UNISDR
The United Nations Office for Disaster Risk Reduction

GAR

BACKGROUND PAPER

Prepared for the Global Assessment Report on Disaster Risk Reduction 2015

WORLD SUMMARIZED CATASTROPHE RISK PROFILES

Summary by Country on the Results from the Global Risk Model

International Center for Numerical Methods in Engineering
and INGENIAR Ltda.

CIMNE

INGENIAR

February 2015

Report developed by the consortium of consultants:

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Acknowledgements

The *World Summarized Catastrophe Risk Profiles* is based on the result from the Global Risk Model (GRM) of the Global Assessment Report on Disaster Risk Reduction, in its 2013 and 2015 versions (GAR 13 and GAR15). The construction of the GRM was an effort of many people and institutions. The indicators presented in this report are the result of the collaborative work between those who modeled the different hazards, those who stablished the distribution and valuation of the exposed assets, those who defined the vulnerability models, and those who modeled the risk. Such aggrupation of specialists, through an international network of collaborative efforts, became a huge modeling team, working together for over 5 years to give life to this ambitious initiative that in all cases was boosted by the extensive experience of the involved individuals and institutions in their respective fields.

The *World Summarized Catastrophe Risk Profiles*, as well as the GRM are the result of a closed collaboration between the United Nations Office for Disaster Risk Reduction – UNISDR (Geneva), the consulting firm INGENIAR Ltda. (Bogotá), the International Center for Numerical Methods in Engineering – CIMNE (Barcelona), the United Nations Environment Programme / Global Resource Information Database – UNEP-GRID (Geneva), Geoscience Australia (Canberra), the World Agency on Planetary Monitoring and Earthquake Risk Reduction – WAPMERR (Geneva), the CIMA Foundation (Savona) and the Norwegian Geotechnical Institute – NGI (Oslo) and the Global Earthquake Model (Pavia).

This report was prepared under project direction of Omar-Dario Cardona and coordination of Gabriel Bernal. Miguel Mora designed and automatized the country profiles. Special contributions for this report have been made by Claudia Villegas, Daniela Zuloaga, Diana Gonzalez and Mario Salgado. The authors express their gratitude to Mabel-Cristina Marulanda and Julio Serge, for their valuable feedback, and to Andrew Maskrey from UNISDR for his permanent technical support.

Foreword

Disaster risk management rely on decisions made by stakeholders. Whether those decisions are effective or not to reduce such risk depends greatly on how well they were informed. Risk knowledge is the first step in the path to effective management. Access to freely available risk metrics and indicators is essential to catalyze comprehensive risk evaluations that allow the nations to move towards risk-driven and risk-aware development strategies.

For GAR15, disaster risk for 216 countries was evaluated using a probabilistic approach to obtain actuarial risk metrics of loss associated with the occurrence of earthquakes, tropical cyclones (wind and storm surge), floods and tsunami. Metrics such as the Average Annual Loss (AAL) and the Probable Maximum Loss (PML) curve were calculated for the 216 countries, as well as risk indicators such as the Disaster Risk Development Implications (DRDI) index. It is worthy to note that such variables are meaningful only at the national level, as the resolution of the GRM permits to perform risk evaluations only at that level. In order to obtain subnational risk results and indicators, local and more refined risk models must be constructed by following the same methodological approach.

The *World Summarized Catastrophe Risk Profiles* are intended to provide a glimpse into the disaster risk situation of any country. The profiles are built to fill a single page sheet, in which the reader may find the most relevant information related to the disaster risk assessment of each country, including general socioeconomic information, risk metrics and risk indicators. The profile provides information about which hazards affect the most each country, and which sectors are more affected. In addition, the DRDI index is presented, along with its three subindicators and the position that the country occupies in the regional and global rankings.

The hazard, exposure, vulnerability and risk assessment methodologies applied, the available data and all risk results can be consulted on the Background Paper for GAR 15: *Update on the Probabilistic Modelling of Natural Risks at Global Level: Global Risk Model*, prepared by CIMNE & INGENIAR (2015).

The *World Summarized Catastrophie Risk Profiles* come to be a fundamental reference for the Governments to know the order of magnitude of their contingent liabilities due to potential disasters. The countries can know their relative situation to other countries of their region, and to bear in mind the implications that disaster risk has on their development from the social, economic and financial growth perspectives.

Omar-Dario Cardona
Bogotá, February 2015

User Guide

The *World Summarized Catastrophe Risk Profiles* are organized into a single page sheets for each country. The sheet is divided into 10 panels that provide information on different subjects related to catastrophe risk, as shown in Figure 1.

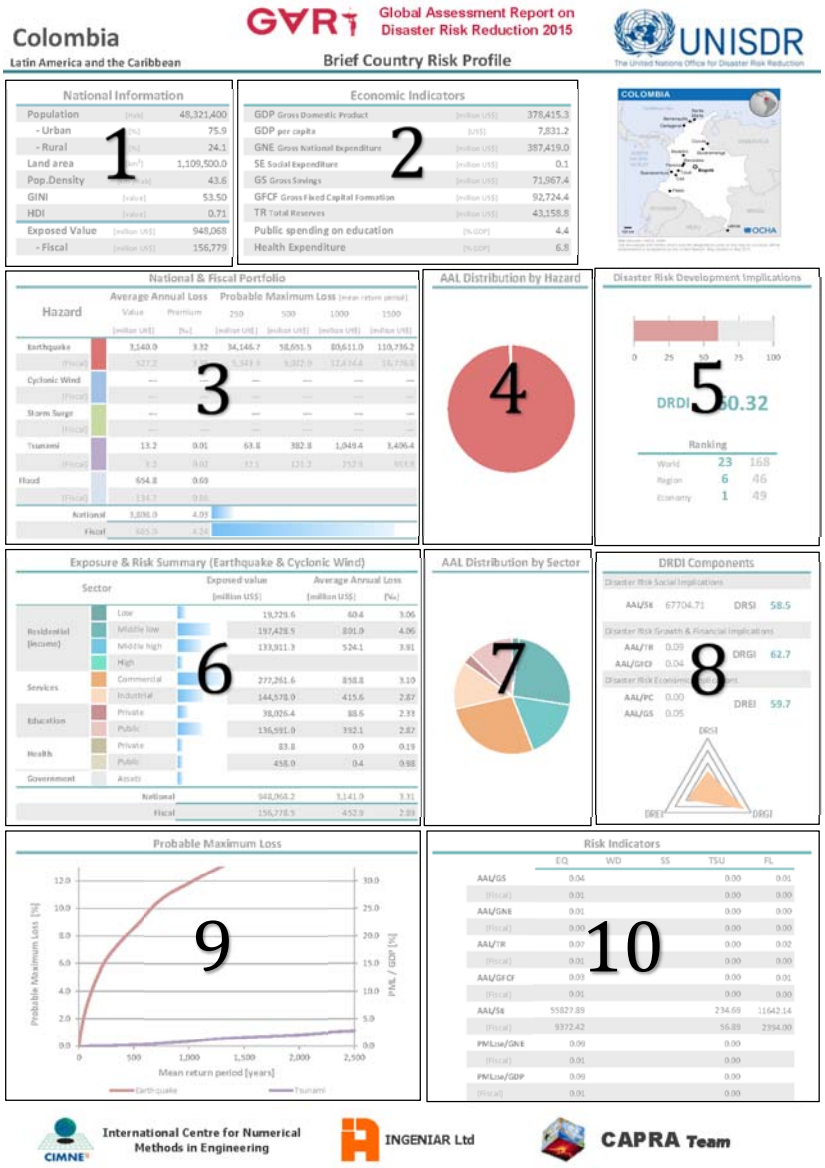

Figure 1. Panels on the profile sheet.

1. Panel 1 contains the general information of the country. It includes total population (both urban and rural), land area, population density, the Gini index that accounts for income inequality, and the Human Development Index. In addition, this panel presents the total exposed value (urban capital stock) of the country and for the fiscal responsibility portfolio (i.e. for the government). These general indicators provide a first view of the socioeconomic characteristics of the country.
2. Panel 2 presents economic indicators for the country. The indicators included are:
    a. The Gross Domestic Product (GDP)
    b. The Gross Domestic Product per capita (GDP per cap)
    c. The Gross National Expenditure (GNE)
    d. The General Government Final Consumption Expenditure (GGC)
    e. The Gross National Savings
    f. The Gross Fixed Capital Formation
    g. The total reserves
    h. The public spending on education
    i. The health expenditure
3. Panel 3 includes the main risk metrics (AAL and PML) for 5 natural hazards. Volcanic ash risk is not included given that it was calculated for a few countries only. For flood risk only the AAL is reported. This panel contains both the losses to the total national and the fiscal portfolios.
4. Panel 4 shows graphically the distribution of AAL by hazard in the national portfolio. It provides a quick glimpse on the most relevant hazards in terms of contribution to the total AAL of the country.
5. Panel 5 presents the Disaster Risk Development Implications index (DRDI), which takes a value between 0 and 100, meaning 100 the most negative implications of risk for development. In addition, Panel 5 presents the position occupied by the country in the world, region and economy rankings defined for the DRDI index.
6. Panel 6 comprises an exposure and risk disaggregation by sectors. The AAL disaggregation applies only for earthquake and tropical cyclones wind. This pales provides useful information on risk concentration by sector.
7. Panel 7 shows graphically the distribution of AAL by sector in the national portfolio. It provides a quick glimpse on the most critical sectors inside a country, in terms of contribution to the AAL.
8. Panel 8 presents the 3 sub indicators that compose the DRDI index: Disaster Risk Social Implications (DRSI), Disaster Risk Growth & Financial Implications (DRGI) and Disaster Risk Economic Implications (DREI). The value of each sub indicator is presented individually, and the contribution of all three to the DRDI index is shown as a triangular spider chart.

9. Panel 9 presents the PML curves for earthquake, TC wind, TC storm surge and tsunami hazard.
10. Finally, Panel 10 presents the risk sub-indicators that compose the DRDI indexes. These indicators are calculated by normalizing risk metrics by socioeconomic indicators. (For reader reference EQ=Earthquake, WD=Tropical Cyclones Wind, SS= Tropical Cyclones Storm Surge, TSU= Tsunami, FL = Flood).

Country Profiles Index

Country profiles are organized alphabetically inside the document. Two indexation tables are presented here that the reader may refer to for easiness on finding the desired country. Both indexation tables list the countries and the page number of their profile. The first has the alphabetically ordered list of countries and the second has this list grouped by region.

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Afghanistan

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	30 551 674
- Urban	[%]	25.9
- Rural	[%]	74.1
Land area	[km²]	652 860.0
Pop.Density	[km²/Hab]	46.8
GINI	[value]	
HDI	[value]	0.47
Exposed Value	[million US$]	60 438
- Fiscal	[million US$]	37 413

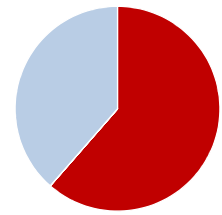
Economic Indicators

GDP Gross Domestic Product	[million US$]	20 309.7
GDP per capita	[US$]	664.8
GNE Gross National Expenditure	[million US$]	29 010.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	3 601.4
TR Total Reserves	[million US$]	7 288.7
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	8.6

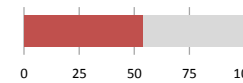
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	146.8	2.44	1 038.0	1 815.5	2 591.7	3 499.3
(Fiscal)	95.5	2.55	678.7	1 182.3	1 681.4	2 265.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	92.2	1.53				
(Fiscal)	61.8	1.65				
National	239.0	3.97				
Fiscal	157.3	4.20				

AAL Distribution by Hazard



Disaster Risk Development Implications



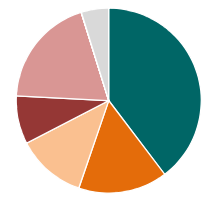
DRDI **54.04**

Ranking		
World	44	168
Region	17	48
Economy	19	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

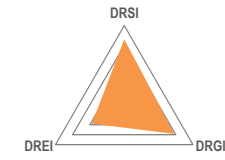
Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	22 082.3	56.9	2.58
	Middle low			
	Middle high			
	High			
Services	Commercial	9 755.3	22.4	2.29
	Industrial	7 718.6	17.4	2.26
Education	Private	5 515.5	12.1	2.19
	Public	11 984.9	27.8	2.32
Health	Private	35.0	0.0	0.63
	Public	10.6	0.0	0.48
Government	Assets	3 335.7	6.9	2.06
	National	60 437.9	143.4	2.37
	Fiscal	37 413.5	91.6	2.45

AAL Distribution by Sector

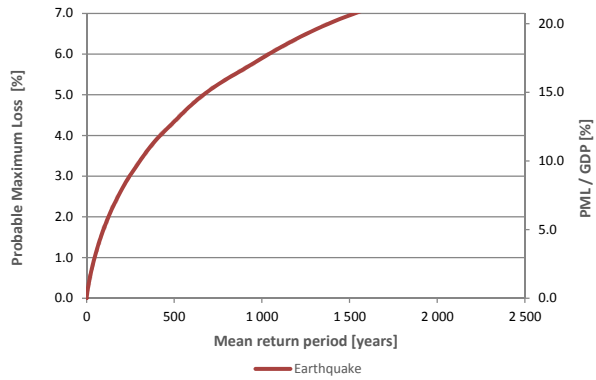


DRDI Components

Disaster Risk Social Implications			
AAL/SE		**DRSI**	**66.1**
Disaster Risk Growth & Financial Implications			
AAL/TR	0.03	**DRGI**	**58.3**
AAL/GFCF	0.07		
Disaster Risk Economic Implications			
AAL/PC	0.00	**DREI**	**37.7**
AAL/GS			



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE	0.01				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.02				0.01
(Fiscal)	0.01				0.01
AAL/GFCF	0.04				0.03
(Fiscal)	0.03				0.02
AAL/SE					
(Fiscal)					
PML250/GNE	0.04				
(Fiscal)	0.02				
PML250/GDP	0.05				
(Fiscal)	0.03				

CIMNE
International Centre for Numerical Methods in Engineering

INGENIAR Ltd

CAPRA Team

Albania

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 773 620
- Urban	[%]	55.4
- Rural	[%]	44.6
Land area	[km²]	27 400.0
Pop.Density	[km²/Hab]	101.2
GINI	[value]	28.90
HDI	[value]	0.72
Exposed Value	[million US$]	40 470
- Fiscal	[million US$]	9 980

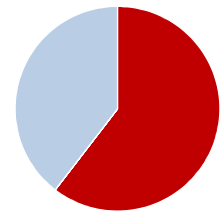
Economic Indicators

GDP Gross Domestic Product	[million US$]	12 923.2
GDP per capita	[US$]	4 659.3
GNE Gross National Expenditure	[million US$]	15 227.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	2 264.4
GFCF Gross Fixed Capital Formation	[million US$]	3 379.5
TR Total Reserves	[million US$]	2 773.3
Public spending on education	[% GDP]	3.3
Health Expenditure	[% GDP]	6.0

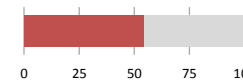
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	46.7	1.15	413.1	814.3	1 311.8	1 990.8
(Fiscal)	10.9	1.09	97.3	191.5	308.7	467.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	30.6	0.76				
(Fiscal)	7.3	0.73				
National	77.3	1.91				
Fiscal	18.1	1.82				

AAL Distribution by Hazard



Disaster Risk Development Implications



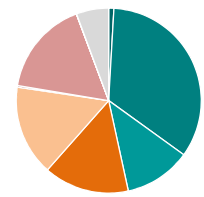
DRDI **54.45**

Ranking		
World	42	168
Region	7	51
Economy	15	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	696.9	0.4	0.61
	Middle low	12 877.7	15.9	1.23
	Middle high	4 827.2	5.4	1.13
	High			
Services	Commercial	6 021.4	7.0	1.16
	Industrial	6 369.9	7.4	1.16
Education	Private	333.2	0.1	0.41
	Public	6 628.1	7.8	1.17
Health	Private	60.0	0.0	0.19
	Public	37.3	0.0	0.17
Government	Assets	2 618.0	2.6	1.01
	National	40 469.6	46.7	1.15
	Fiscal	9 980.4	10.9	1.09

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

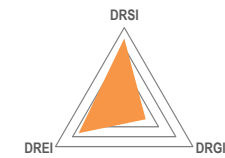
AAL/SE **DRSI** **55.5**

Disaster Risk Growth & Financial Implications

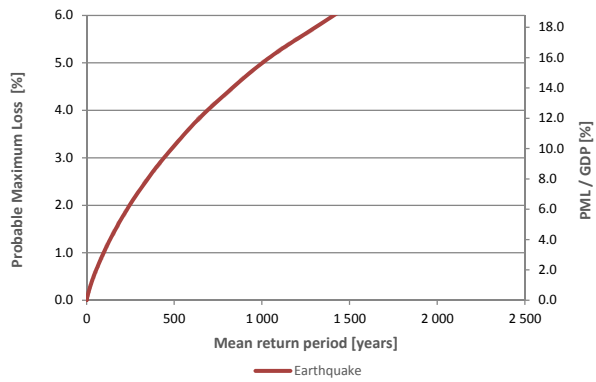
AAL/TR 0.03
AAL/GFCF 0.02
DRGI **53.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03
DREI **54.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.02				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.03				
(Fiscal)	0.01				
PML250/GDP	0.03				
(Fiscal)	0.01				

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Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

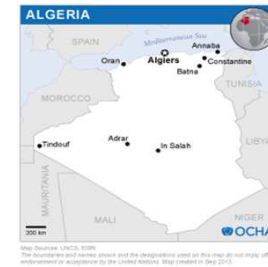
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	39 208 192
- Urban	[%]	69.5
- Rural	[%]	30.5
Land area	[km²]	2 381 740.0
Pop.Density	[km²/Hab]	16.5
GINI	[value]	35.30
HDI	[value]	0.72
Exposed Value	[million US$]	900 953
- Fiscal	[million US$]	234 681

Economic Indicators

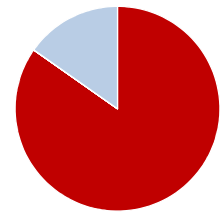
GDP Gross Domestic Product	[million US$]	210 183.4
GDP per capita	[US$]	5 360.7
GNE Gross National Expenditure	[million US$]	204 165.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	99 011.0
GFCF Gross Fixed Capital Formation	[million US$]	71 040.5
TR Total Reserves	[million US$]	201 436.6
Public spending on education	[% GDP]	4.3
Health Expenditure	[% GDP]	5.3



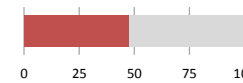
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	991.5	1.10	8 893.2	14 492.4	19 790.8	25 429.5
(Fiscal)	252.9	1.08	2 277.5	3 704.9	5 061.0	6 512.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	178.4	0.20				
(Fiscal)	45.4	0.19				
National	1 169.9	1.30				
Fiscal	298.3	1.27				

AAL Distribution by Hazard



Disaster Risk Development Implications



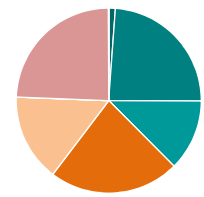
DRDI **47.78**

Ranking		
World	92	168
Region	2	57
Economy	27	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	13 288.1	11.3	0.85
	Middle low	207 786.2	237.3	1.14
	Middle high	110 820.9	123.6	1.11
	High			
Services	Commercial	206 845.1	226.1	1.09
	Industrial	140 588.9	151.6	1.08
Education	Private			
	Public	220 378.7	241.2	1.09
Health	Private	231.2	0.0	0.18
	Public	1 013.9	0.4	0.42
Government	Assets			
National		900 953.1	991.5	1.10
Fiscal		234 680.8	252.9	1.08

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

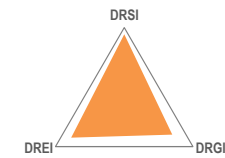
AAL/SE **DRSI** **55.0**

Disaster Risk Growth & Financial Implications

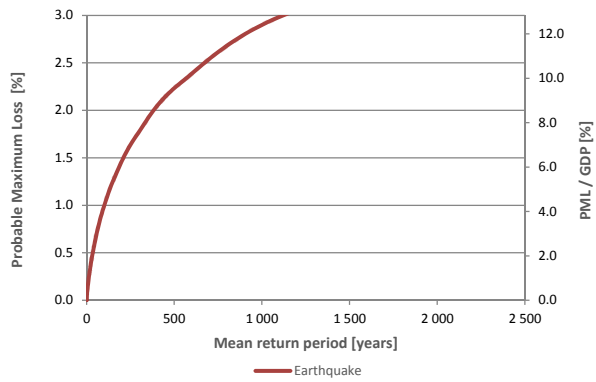
AAL/TR 0.01
AAL/GFCF 0.02
DRGI **42.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **46.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.04				
(Fiscal)	0.01				
PML250/GDP	0.04				
(Fiscal)	0.01				

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Europe

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	79 218
- Urban	[%]	86.2
- Rural	[%]	13.8
Land area	[km²]	470.0
Pop.Density	[km²/Hab]	168.5
GINI	[value]	
HDI	[value]	0.83
Exposed Value	[million US$]	8 382
- Fiscal	[million US$]	199

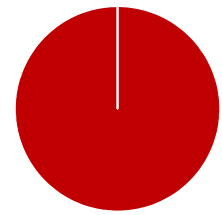
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 849.2
GDP per capita	[US$]	35 966.2
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	

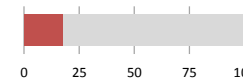
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.01	0.6	1.6	3.7	8.5
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	0.1	0.01				
Fiscal						

AAL Distribution by Hazard



Disaster Risk Development Implications



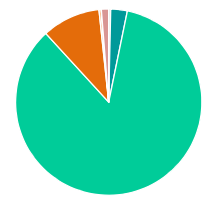
DRDI **17.67**

Ranking		
World	154	168
Region		51
Economy		23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3.7	0.0	0.00
	Middle low	65.0	0.0	0.01
	Middle high	278.3	0.0	0.01
	High	6 735.5	0.1	0.01
Services	Commercial	1 026.0	0.0	0.01
	Industrial	72.2	0.0	0.01
Education	Private	3.9	0.0	0.00
	Public	192.1	0.0	0.01
Health	Private	1.5	0.0	0.00
	Public	3.4	0.0	0.00
Government	Assets			
	National	8 381.7	0.1	0.01
	Fiscal	199.3	0.0	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

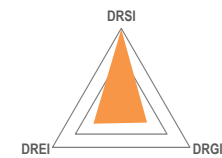
AAL/SE **DRSI** **29.6**

Disaster Risk Growth & Financial Implications

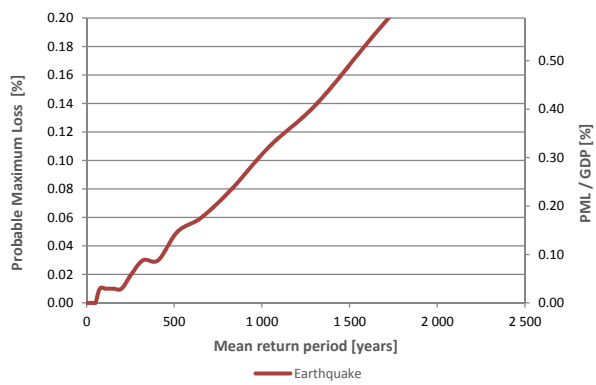
AAL/TR
AAL/GFCF **DRGI** **11.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **12.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP	0.00			
(Fiscal)				

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Angola

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	21 471 618
- Urban	[%]	42.5
- Rural	[%]	57.5
Land area	[km²]	1 246 700.0
Pop.Density	[km²/Hab]	17.2
GINI	[value]	42.60
HDI	[value]	0.53
Exposed Value	[million US$]	177 044
- Fiscal	[million US$]	64 825

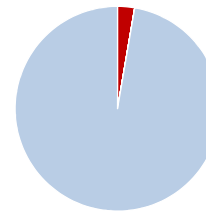
Economic Indicators

GDP Gross Domestic Product	[million US$]	124 178.2
GDP per capita	[US$]	5 783.4
GNE Gross National Expenditure	[million US$]	105 476.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	28 901.3
GFCF Gross Fixed Capital Formation	[million US$]	18 242.6
TR Total Reserves	[million US$]	32 780.4
Public spending on education	[% GDP]	3.5
Health Expenditure	[% GDP]	3.5

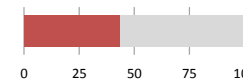
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	4.6	0.03	68.0	166.4	333.9	638.1
(Fiscal)	1.7	0.03	25.2	61.5	123.2	235.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	165.7	0.94				
(Fiscal)	63.0	0.97				
National	170.3	0.97				
Fiscal	64.7	1.00				

AAL Distribution by Hazard



Disaster Risk Development Implications



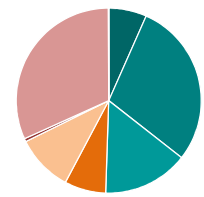
DRDI **43.4**

Ranking		
World	121	168
Region	34	57
Economy	34	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	14 544.1	0.2	0.01
	Middle low	47 042.1	0.8	0.02
	Middle high	27 983.4	0.4	0.01
	High			
Services	Commercial	15 580.6	0.2	0.01
	Industrial	19 826.6	0.3	0.01
Education	Private	1 751.6	0.0	0.01
	Public	50 144.7	0.8	0.02
Health	Private	35.0	0.0	0.00
	Public	135.8	0.0	0.00
Government	Assets			
National		177 044.1	2.6	0.01
Fiscal		64 824.6	1.0	0.02

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

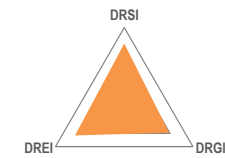
AAL/SE **DRSI** **47.9**

Disaster Risk Growth & Financial Implications

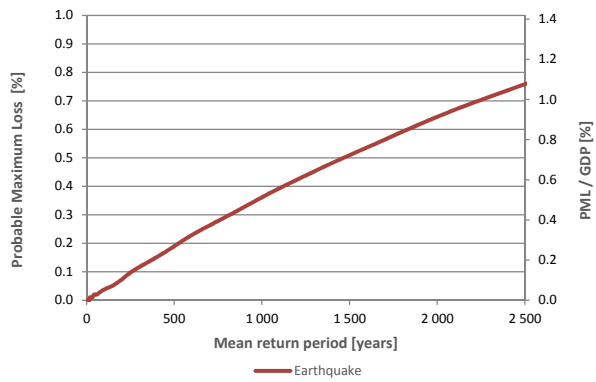
AAL/TR 0.01
AAL/GFCF 0.01
DRGI **39.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **43.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Anguilla

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

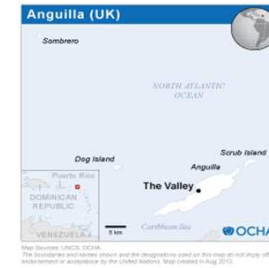
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	16 086
- Urban	[%]	100.0
- Rural	[%]	0.0
Land area	[km^2]	91.0
Pop.Density	[km^2/Hab]	176.8
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	865
- Fiscal	[million US$]	75

Economic Indicators

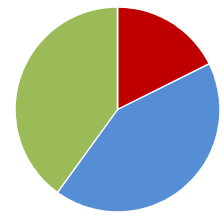
GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]



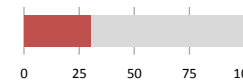
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	4.4	5.13	90.8	168.6	231.9	293.3
(Fiscal)	0.4	5.08	8.1	16.2	22.7	29.5
Cyclonic Wind	10.7	12.31	269.3	373.8	440.7	466.4
(Fiscal)	0.9	12.03	22.4	32.5	39.1	40.0
Storm Surge	10.1	11.63	163.3	197.9	212.0	212.0
(Fiscal)	0.9	11.76	14.3	17.5	18.5	18.5
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	25.2	29.07				
Fiscal	2.2	28.86				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **30.37**

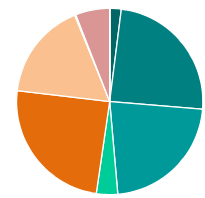
Ranking

SIDS Country **37** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	21.6	0.3	13.94
	Middle low	206.8	3.7	17.75
	Middle high	191.4	3.4	17.58
	High	33.0	0.6	16.83
Services	Commercial	208.8	3.7	17.75
	Industrial	146.1	2.6	17.55
Education	Private	4.2	0.0	7.40
	Public	52.8	0.9	16.91
Health	Private	0.4	0.0	0.00
	Public	0.4	0.0	0.00
Government	Assets			
	National	865.5	15.1	17.43
	Fiscal	74.8	1.2	15.96

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

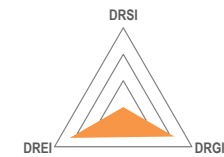
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

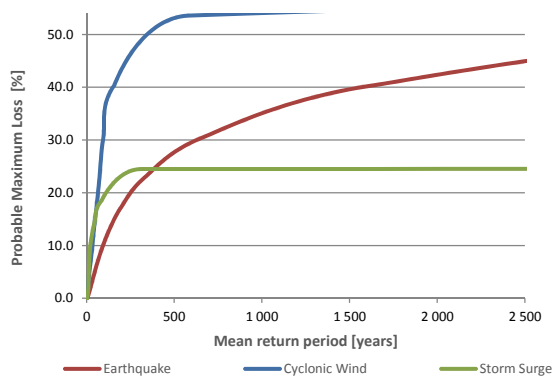
AAL/TR
AAL/GFCF **DRGI** **44.4**

Disaster Risk Economic Implications

AAL/PC 0.03
AAL/GS **DREI** **46.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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CAPRA Team

Antigua and Barbuda

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	89 985
- Urban	[%]	24.6
- Rural	[%]	75.4
Land area	[km^2]	440.0
Pop.Density	[km^2/Hab]	204.5
GINI	[value]	
HDI	[value]	0.77
Exposed Value	[million US$]	6 257
- Fiscal	[million US$]	703

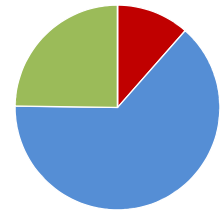
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 200.6
GDP per capita	[US$]	13 342.1
GNE Gross National Expenditure	[million US$]	1 385.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	93.8
GFCF Gross Fixed Capital Formation	[million US$]	278.7
TR Total Reserves	[million US$]	202.6
Public spending on education	[% GDP]	2.5
Health Expenditure	[% GDP]	5.2

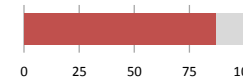
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	30.9	4.94	490.8	729.2	922.0	1 143.3
(Fiscal)	3.3	4.71	53.2	79.3	100.1	124.0
Cyclonic Wind	171.6	27.42	3 759.9	4 619.6	4 619.6	4 619.6
(Fiscal)	18.7	26.64	410.4	500.6	500.6	500.6
Storm Surge	66.7	10.66	1 184.1	1 654.3	1 880.6	2 188.4
(Fiscal)	7.2	10.26	129.1	180.1	206.0	237.7
Tsunami	---	---	---	---	---	---
(Fiscal)	0.0	0.01	0.0	0.0	1.3	4.2
National	269.2	43.03				
Fiscal	29.3	41.62				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **87.03**

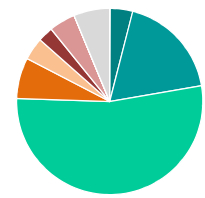
Ranking

SIDS Country	2	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	14.1	0.1	9.02
	Middle low	250.3	7.9	31.74
	Middle high	1 139.4	37.0	32.52
	High	3 295.1	107.8	32.71
Services	Commercial	446.9	14.4	32.25
	Industrial	249.6	7.9	31.74
Education	Private	172.0	5.4	31.13
	Public	290.7	9.3	31.84
Health	Private	1.3	0.0	0.00
	Public	3.0	0.0	0.00
Government	Assets	394.9	12.7	32.03
National		6 257.3	202.5	32.36
Fiscal		702.7	22.0	31.35

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

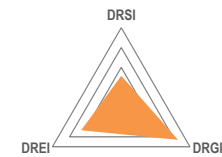
AAL/SE **DRSI** **82.9**

Disaster Risk Growth & Financial Implications

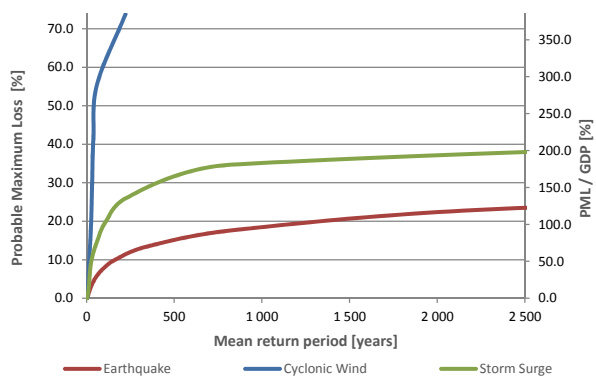
AAL/TR 1.33
AAL/GFCF 0.97
DRGI **91.5**

Disaster Risk Economic Implications

AAL/PC 0.04
AAL/GS 2.87
DREI **86.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.33	1.83	0.71	
(Fiscal)	0.04	0.20	0.08	0.00
AAL/GNE	0.02	0.12	0.05	
(Fiscal)	0.00	0.01	0.01	0.00
AAL/TR	0.15	0.85	0.33	
(Fiscal)	0.02	0.09	0.04	0.00
AAL/GFCF	0.11	0.62	0.24	
(Fiscal)	0.01	0.07	0.03	0.00
AAL/SE				
(Fiscal)				
PML250/GNE	0.35	2.71	0.85	
(Fiscal)	0.04	0.30	0.09	
PML250/GDP	0.41	3.13	0.99	
(Fiscal)	0.04	0.34	0.11	

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CAPRA Team

Argentina

Latin America and the Caribbean

GAR Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	41 446 248
- Urban	[%]	91.5
- Rural	[%]	8.5
Land area	[km^2]	2 736 690.0
Pop.Density	[km^2/Hab]	15.1
GINI	[value]	43.50
HDI	[value]	0.81
Exposed Value	[million US$]	1 398 473
- Fiscal	[million US$]	141 445

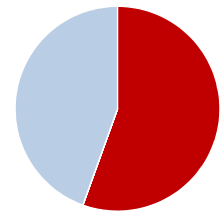
Economic Indicators

GDP Gross Domestic Product	[million US$]	609 889.0
GDP per capita	[US$]	14 715.2
GNE Gross National Expenditure	[million US$]	611 844.9
SE Social Expenditure	[million US$]	0.2
GS Gross Savings	[million US$]	101 588.1
GFCF Gross Fixed Capital Formation	[million US$]	103 818.8
TR Total Reserves	[million US$]	30 533.9
Public spending on education	[% GDP]	6.3
Health Expenditure	[% GDP]	8.5

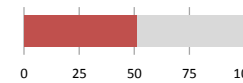
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1 103.9	0.80	10 602.5	15 662.1	19 881.3	24 039.4
(Fiscal)	129.6	0.92	1 182.4	1 740.6	2 202.7	2 723.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	884.9	0.64				
(Fiscal)	101.1	0.71				
National	1 988.8	1.44				
Fiscal	230.7	1.63				

AAL Distribution by Hazard



Disaster Risk Development Implications



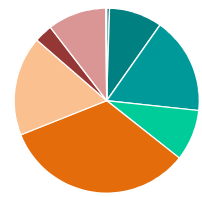
DRDI **51.31**

Ranking		
World	69	168
Region	13	46
Economy	14	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	10 611.9	5.3	0.50
	Middle low	162 529.9	102.5	0.63
	Middle high	286 949.7	187.0	0.65
	High	157 160.9	98.7	0.63
Services	Commercial	394 887.2	367.8	0.93
	Industrial	211 284.5	191.8	0.91
Education	Private	43 025.5	35.4	0.82
	Public	129 100.2	113.8	0.88
Health	Private	1 189.8	0.5	0.41
	Public	1 733.3	0.9	0.50
Government	Assets			
	National	1 398 472.8	1 103.5	0.79
	Fiscal	141 445.4	119.9	0.85

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

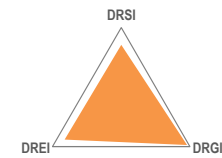
AAL/SE 11882.66 **DRSI** **47.0**

Disaster Risk Growth & Financial Implications

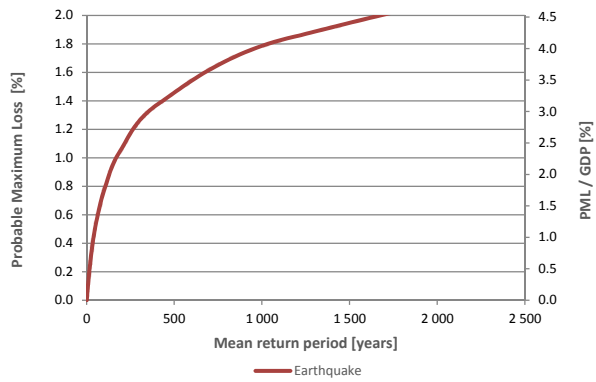
AAL/TR 0.07
AAL/GFCF 0.02 **DRGI** **57.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 **DREI** **49.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.04				0.03
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.00
AAL/SE	6595.79				5286.87
(Fiscal)	774.22				604.24
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.02				
(Fiscal)	0.00				

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CAPRA Team

Armenia

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 976 566
- Urban	[%]	63.0
- Rural	[%]	37.0
Land area	[km²]	28 470.0
Pop.Density	[km²/Hab]	104.6
GINI	[value]	30.30
HDI	[value]	0.73
Exposed Value	[million US$]	22 898
- Fiscal	[million US$]	4 829

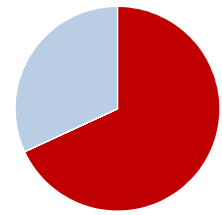
Economic Indicators

GDP Gross Domestic Product	[million US$]	10 432.2
GDP per capita	[US$]	3 504.8
GNE Gross National Expenditure	[million US$]	12 628.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 209.8
GFCF Gross Fixed Capital Formation	[million US$]	2 183.1
TR Total Reserves	[million US$]	2 251.6
Public spending on education	[% GDP]	3.3
Health Expenditure	[% GDP]	4.5

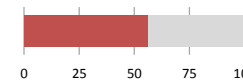
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	45.2	1.98	515.4	1 079.3	1 725.2	2 472.3
(Fiscal)	8.4	1.74	95.6	203.0	323.9	474.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	21.2	0.93				
(Fiscal)	4.3	0.88				
National	66.4	2.90				
Fiscal	12.7	2.62				

AAL Distribution by Hazard



Disaster Risk Development Implications



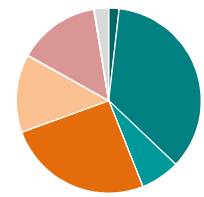
DRDI **56.3**

Ranking		
World	35	168
Region	15	51
Economy	13	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	414.3	0.8	1.97
	Middle low	6 690.2	16.0	2.38
	Middle high	1 396.6	3.1	2.23
	High			
Services	Commercial	6 393.7	11.5	1.80
	Industrial	3 500.5	6.1	1.75
Education	Private	49.1	0.0	0.87
	Public	3 656.4	6.4	1.76
Health	Private	39.1	0.0	0.84
	Public	27.8	0.0	0.75
Government	Assets	730.7	1.1	1.54
	National	22 898.4	45.2	1.97
	Fiscal	4 829.2	8.4	1.74

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

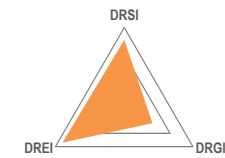
AAL/SE **DRSI** **57.1**

Disaster Risk Growth & Financial Implications

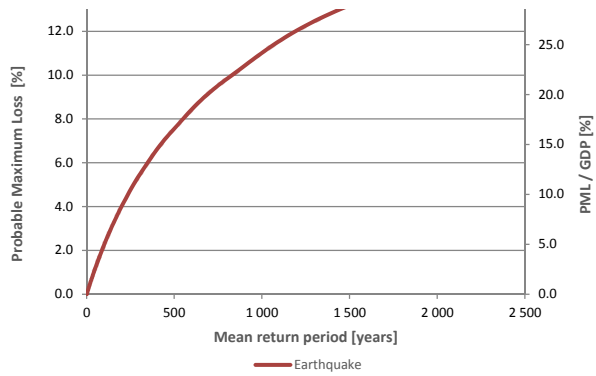
AAL/TR 0.03
AAL/GFCF 0.03 **DRGI** **54.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.05 **DREI** **57.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.04				0.02
(Fiscal)	0.01				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.02				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.02				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.04				
(Fiscal)	0.01				
PML250/GDP	0.05				
(Fiscal)	0.01				

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CAPRA Team

Aruba

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	102 911
- Urban	[%]	42.1
- Rural	[%]	57.9
Land area	[km^2]	180.0
Pop.Density	[km^2/Hab]	571.7
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	8 909
- Fiscal	[million US$]	491

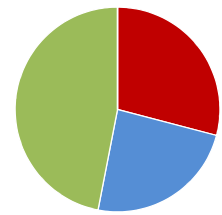
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 584.5
GDP per capita	[US$]	25 354.8
GNE Gross National Expenditure	[million US$]	2 989.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	691.6
TR Total Reserves	[million US$]	653.2
Public spending on education	[% GDP]	6.0
Health Expenditure	[% GDP]	

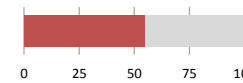
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	16.1	1.81	282.4	1 009.9	1 874.4	2 845.5
(Fiscal)	0.9	1.75	13.6	53.5	106.5	161.2
Cyclonic Wind	13.3	1.49	366.8	702.4	885.9	989.5
(Fiscal)	0.7	1.38	17.8	36.5	47.2	54.2
Storm Surge	26.1	2.92	689.7	857.7	958.4	1 094.2
(Fiscal)	1.4	2.83	37.1	46.4	53.2	58.7
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	55.5	6.23				
Fiscal	2.9	5.97				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **55.04**

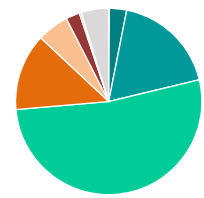
Ranking

SIDS Country	24	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	15.5	0.0	2.05
	Middle low	274.5	0.9	3.20
	Middle high	1 610.3	5.3	3.32
	High	4 620.6	15.4	3.34
Services	Commercial	1 190.6	3.9	3.30
	Industrial	497.2	1.6	3.27
Education	Private	222.9	0.7	3.16
	Public	42.5	0.1	2.45
Health	Private	2.2	0.0	0.00
	Public	2.1	0.0	0.00
Government	Assets	431.1	1.4	3.25
National		8 909.4	29.4	3.30
Fiscal		491.1	1.5	3.13

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

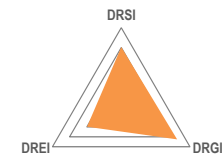
AAL/SE **DRSI** **60.4**

Disaster Risk Growth & Financial Implications

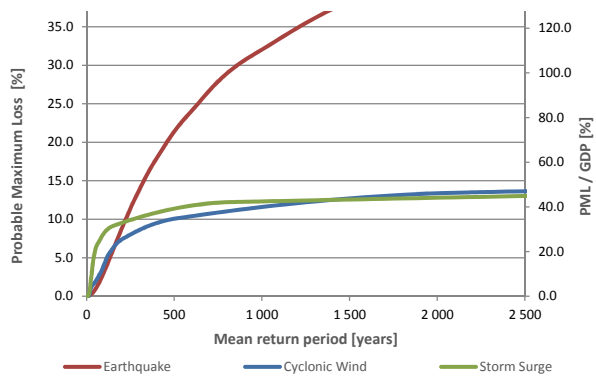
AAL/TR 0.08
AAL/GFCF 0.08
DRGI **65.0**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS
DREI **39.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE	0.01	0.00	0.01	
(Fiscal)	0.00	0.00	0.00	
AAL/TR	0.02	0.02	0.04	
(Fiscal)	0.00	0.00	0.00	
AAL/GFCF	0.02	0.02	0.04	
(Fiscal)	0.00	0.00	0.00	
AAL/SE				
(Fiscal)				
PML250/GNE	0.09	0.12	0.23	
(Fiscal)	0.00	0.01	0.01	
PML250/GDP	0.11	0.14	0.27	
(Fiscal)	0.01	0.01	0.01	

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CAPRA Team

Australia

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

UNISDR The United Nations Office for Disaster Risk Reduction

Brief Country Risk Profile

National Information

Population	[Hab]	23 130 900
- Urban	[%]	89.2
- Rural	[%]	10.8
Land area	[km²]	7 682 300.0
Pop.Density	[km²/Hab]	3.0
GINI	[value]	34.00
HDI	[value]	0.93
Exposed Value	[million US$]	6 646 516
- Fiscal	[million US$]	179 990

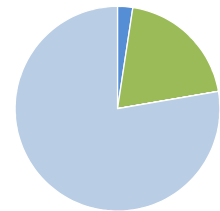
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 560 372.4
GDP per capita	[US$]	67 458.4
GNE Gross National Expenditure	[million US$]	1 579 571.6
SE Social Expenditure	[million US$]	0.4
GS Gross Savings	[million US$]	386 626.2
GFCF Gross Fixed Capital Formation	[million US$]	442 013.1
TR Total Reserves	[million US$]	52 837.0
Public spending on education	[% GDP]	5.1
Health Expenditure	[% GDP]	9.1

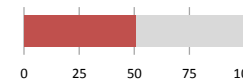
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	129.2	0.02	2 046.6	2 484.9	2 913.3	3 091.1
(Fiscal)	49.2	0.27	369.1	455.4	526.5	571.2
Storm Surge	1 076.2	0.16	4 610.1	4 613.4	4 618.8	4 629.6
(Fiscal)	33.7	0.19	119.4	120.6	122.5	126.4
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	4 203.0	0.64				
(Fiscal)	93.0	0.52				
National	5 408.4	0.82				
Fiscal	175.9	0.98				

AAL Distribution by Hazard



Disaster Risk Development Implications



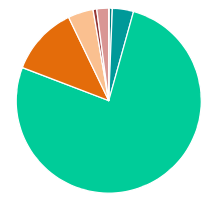
DRDI **50.89**

Ranking		
World	76	168
Region	2	48
Economy	9	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3 700.4	0.0	0.00
	Middle low	66 618.7	1.2	0.02
	Middle high	285 527.7	7.0	0.02
	High	4 889 260.0	145.3	0.03
Services	Commercial	824 089.6	22.9	0.03
	Industrial	329 067.0	8.4	0.03
Education	Private	70 308.0	1.2	0.02
	Public	172 570.6	3.9	0.02
Health	Private	1 655.5	0.0	0.00
	Public	3 718.5	0.0	0.00
Government	Assets			
National		6 646 516.0	189.9	0.03
Fiscal		179 989.6	4.0	0.02

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

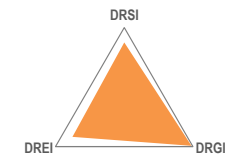
AAL/SE 15055.08 **DRSI** **48.7**

Disaster Risk Growth & Financial Implications

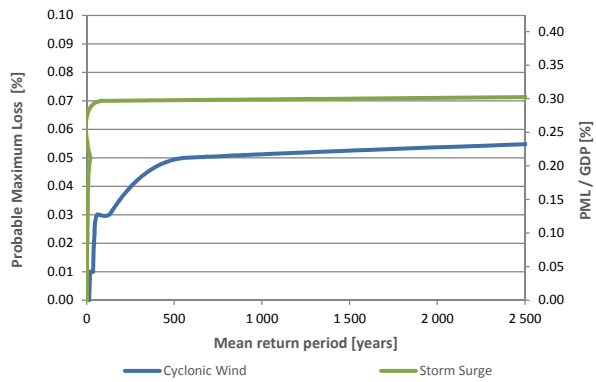
AAL/TR 0.10
AAL/GFCF 0.01 **DRGI** **58.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **45.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS		0.00	0.00		0.01
(Fiscal)		0.00	0.00		0.00
AAL/GNE		0.00	0.00		0.00
(Fiscal)		0.00	0.00		0.00
AAL/TR		0.00	0.02		0.08
(Fiscal)		0.00	0.00		0.00
AAL/GFCF		0.00	0.00		0.01
(Fiscal)		0.00	0.00		0.00
AAL/SE		359.73	2995.83		11699.51
(Fiscal)		137.04	93.92		258.74
PML250/GNE		0.00	0.00		
(Fiscal)		0.00	0.00		
PML250/GDP		0.00	0.00		
(Fiscal)		0.00	0.00		

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CAPRA Team

Austria

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	8 473 786
- Urban	[%]	65.9
- Rural	[%]	34.1
Land area	[km²]	82 409.0
Pop.Density	[km²/Hab]	102.8
GINI	[value]	30.00
HDI	[value]	0.88
Exposed Value	[million US$]	1 804 000
- Fiscal	[million US$]	83 097

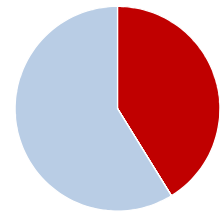
Economic Indicators

GDP Gross Domestic Product	[million US$]	428 321.9
GDP per capita	[US$]	50 546.7
GNE Gross National Expenditure	[million US$]	413 112.8
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	109 375.2
GFCF Gross Fixed Capital Formation	[million US$]	95 015.4
TR Total Reserves	[million US$]	23 316.8
Public spending on education	[% GDP]	5.8
Health Expenditure	[% GDP]	11.5

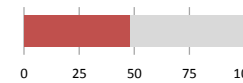
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	524.6	0.29	6 545.4	14 689.1	24 704.2	39 545.5
(Fiscal)	24.2	0.29	301.3	676.7	1 139.5	1 828.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	749.1	0.42				
(Fiscal)	34.6	0.42				
National	1 273.7	0.71				
Fiscal	58.8	0.71				

AAL Distribution by Hazard



Disaster Risk Development Implications



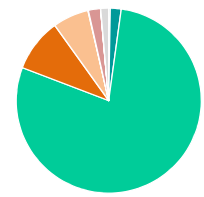
DRDI **48.04**

Ranking		
World	89	168
Region	17	51
Economy	13	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

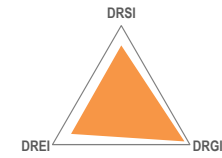
Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	568.8	0.0	0.05
	Middle low	10 238.6	1.4	0.14
	Middle high	43 018.3	9.9	0.23
	High	1 374 750.0	412.5	0.30
Services	Commercial	170 483.9	48.8	0.29
	Industrial	117 633.1	32.9	0.28
Education	Private	4 162.0	0.4	0.11
	Public	46 913.7	11.1	0.24
Health	Private	616.8	0.0	0.05
	Public	2 125.7	0.2	0.08
Government	Assets	33 489.2	7.2	0.22
National		1 804 000.0	524.5	0.29
Fiscal		83 097.4	18.5	0.22

AAL Distribution by Sector

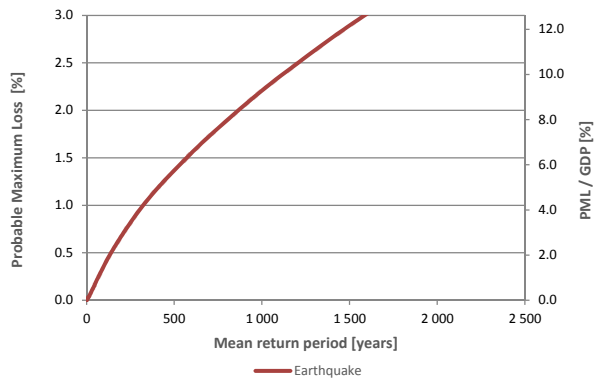


DRDI Components

Disaster Risk Social Implications			
AAL/SE	8777.57	DRSI	45.0
Disaster Risk Growth & Financial Implications			
AAL/TR	0.05	DRGI	55.3
AAL/GFCF	0.01		
Disaster Risk Economic Implications			
AAL/PC	0.00	DREI	43.8
AAL/GS	0.01		



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.02				0.03
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.00
AAL/SE	3615.14				5162.43
(Fiscal)	166.84				238.23
PML_{250}/GNE	0.02				
(Fiscal)	0.00				
PML_{250}/GDP	0.02				
(Fiscal)	0.00				

Azerbaijan

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	9 416 598
- Urban	[%]	54.1
- Rural	[%]	45.9
Land area	[km^2]	82 658.0
Pop.Density	[km^2/Hab]	113.9
GINI	[value]	33.00
HDI	[value]	0.75
Exposed Value	[million US$]	192 910
- Fiscal	[million US$]	54 134

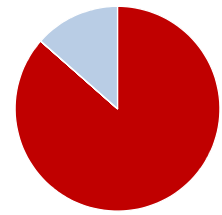
Economic Indicators

GDP Gross Domestic Product	[million US$]	73 560.5
GDP per capita	[US$]	7 811.8
GNE Gross National Expenditure	[million US$]	57 484.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	28 781.9
GFCF Gross Fixed Capital Formation	[million US$]	18 074.3
TR Total Reserves	[million US$]	15 175.7
Public spending on education	[% GDP]	2.4
Health Expenditure	[% GDP]	5.4

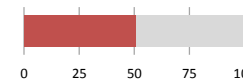
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	282.0	1.46	2 763.6	5 190.1	7 817.4	10 845.1
(Fiscal)	77.3	1.43	757.1	1 423.3	2 145.3	2 986.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	44.0	0.23				
(Fiscal)	11.3	0.21				
National	326.0	1.69				
Fiscal	88.6	1.64				

AAL Distribution by Hazard



Disaster Risk Development Implications



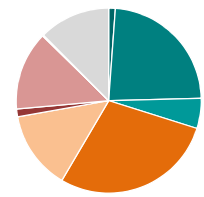
DRDI **50.91**

Ranking		
World	74	168
Region	25	51
Economy	22	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 993.0	3.2	1.08
	Middle low	43 485.3	66.1	1.52
	Middle high	11 000.5	14.8	1.35
	High			
Services	Commercial	53 366.5	80.7	1.51
	Industrial	26 752.8	38.8	1.45
Education	Private	3 462.5	3.8	1.11
	Public	26 710.8	38.8	1.45
Health	Private	708.6	0.5	0.74
	Public	172.1	0.1	0.41
Government	Assets	24 257.6	35.1	1.45
	National	192 909.6	282.0	1.46
	Fiscal	54 133.5	77.3	1.43

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

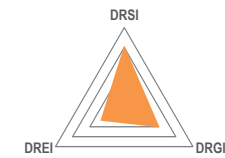
AAL/SE **DRSI** **55.5**

Disaster Risk Growth & Financial Implications

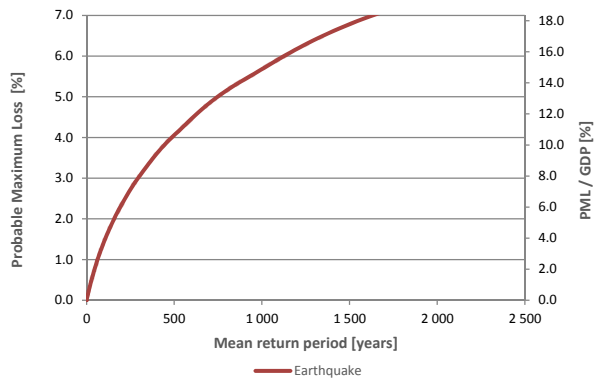
AAL/TR 0.02
AAL/GFCF 0.02 **DRGI** **50.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **46.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.002
(Fiscal)	0.003				0.0004
AAL/GNE	0.005				0.001
(Fiscal)	0.001				0.000
AAL/TR	0.02				0.003
(Fiscal)	0.01				0.001
AAL/GFCF	0.02				0.002
(Fiscal)	0.004				0.001
AAL/SE					
(Fiscal)					
PML250/GNE	0.05				
(Fiscal)	0.01				
PML250/GDP	0.04				
(Fiscal)	0.01				

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CAPRA Team

Bahrain

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

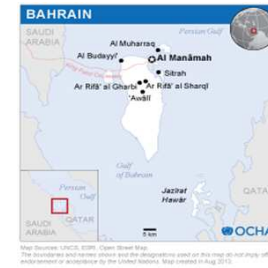
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 332 171
- Urban	[%]	88.7
- Rural	[%]	11.3
Land area	[km²]	760.0
Pop.Density	[km²/Hab]	1 752.9
GINI	[value]	
HDI	[value]	0.81
Exposed Value	[million US$]	103 503
- Fiscal	[million US$]	5 306

Economic Indicators

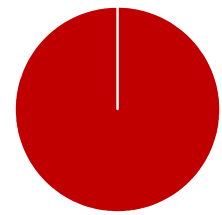
GDP Gross Domestic Product	[million US$]	32 890.1
GDP per capita	[US$]	24 689.1
GNE Gross National Expenditure	[million US$]	22 622.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	8 388.7
GFCF Gross Fixed Capital Formation	[million US$]	5 920.0
TR Total Reserves	[million US$]	5 527.7
Public spending on education	[% GDP]	2.6
Health Expenditure	[% GDP]	3.9



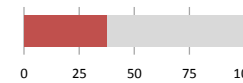
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	25.7	0.25	110.6	206.1	344.1	541.3
(Fiscal)	1.3	0.24	5.6	10.3	17.3	27.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	25.7	0.25				
Fiscal	1.3	0.24				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **37.43**

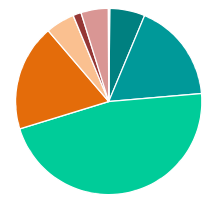
Ranking

SIDS Country **34** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	266.8	0.1	0.19
	Middle low	6 330.6	1.6	0.25
	Middle high	17 948.2	4.5	0.25
	High	48 025.5	12.0	0.25
Services	Commercial	19 092.6	4.7	0.25
	Industrial	5 238.6	1.3	0.25
Education	Private	1 541.7	0.4	0.24
	Public	4 992.3	1.2	0.25
Health	Private	19.7	0.0	0.08
	Public	47.1	0.0	0.13
Government	Assets			
National		103 503.2	25.7	0.25
Fiscal		5 306.2	1.3	0.24

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

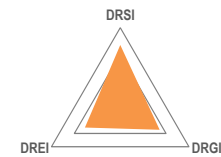
AAL/SE **DRSI** **47.0**

Disaster Risk Growth & Financial Implications

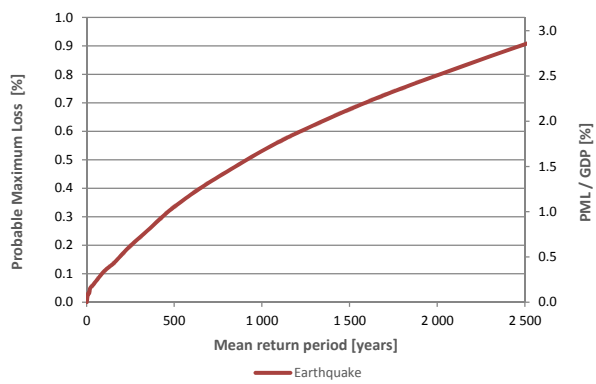
AAL/TR 0.00
AAL/GFCF 0.00
DRGI **34.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00
DREI **30.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.00			
(Fiscal)	0.00			
AAL/GNE	0.00			
(Fiscal)	0.00			
AAL/TR	0.00			
(Fiscal)	0.00			
AAL/GFCF	0.00			
(Fiscal)	0.00			
AAL/SE				
(Fiscal)				
PML250/GNE	0.00			
(Fiscal)	0.00			
PML250/GDP	0.00			
(Fiscal)	0.00			

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CAPRA Team

Bangladesh

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	156 594 960
- Urban	[%]	32.8
- Rural	[%]	67.2
Land area	[km²]	130 170.0
Pop.Density	[km²/Hab]	1 203.0
GINI	[value]	32.10
HDI	[value]	0.56
Exposed Value	[million US$]	381 527
- Fiscal	[million US$]	78 244

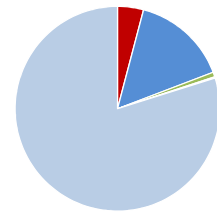
Economic Indicators

GDP Gross Domestic Product	[million US$]	149 990.5
GDP per capita	[US$]	957.8
GNE Gross National Expenditure	[million US$]	160 820.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	53 137.9
GFCF Gross Fixed Capital Formation	[million US$]	42 581.7
TR Total Reserves	[million US$]	18 087.7
Public spending on education	[% GDP]	2.2
Health Expenditure	[% GDP]	3.6

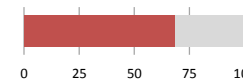
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	126.5	0.33	2 593.9	5 958.9	9 880.7	15 129.4
(Fiscal)	26.8	0.34	548.1	1 257.9	2 086.8	3 181.6
Cyclonic Wind	465.9	1.22	13 259.3	17 191.2	20 772.5	22 256.8
(Fiscal)	640.2	8.18	10 621.5	11 316.3	12 474.3	13 954.3
Storm Surge	23.4	0.06	305.4	369.3	433.1	462.0
(Fiscal)	5.5	0.07	65.9	79.0	90.9	98.1
Tsunami	5.5	0.01	0.0	0.0	6.3	130.9
(Fiscal)	1.2	0.02	0.0	0.0	7.7	72.8
Flood	2 463.2	6.46				
(Fiscal)	542.1	6.93				
National	3 084.3	8.09				
Fiscal	1 215.9	15.54				

AAL Distribution by Hazard



Disaster Risk Development Implications



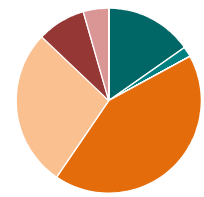
DRDI **68.37**

Ranking		
World	6	168
Region	3	48
Economy	3	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	58 540.6	90.3	1.54
	Middle low	10 118.2	10.7	1.06
	Middle high			
	High			
Services	Commercial	156 165.4	251.3	1.61
	Industrial	102 799.9	163.2	1.59
Education	Private	34 141.4	50.0	1.47
	Public	19 674.5	26.2	1.33
Health	Private	57.9	0.0	0.00
	Public	28.9	0.0	0.00
Government	Assets			
National		381 526.8	591.8	1.55
Fiscal		78 244.1	116.5	1.49

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

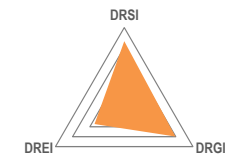
AAL/SE **DRSI** **71.6**

Disaster Risk Growth & Financial Implications

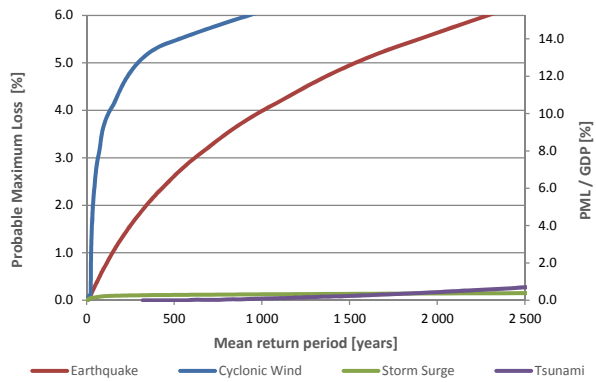
AAL/TR 0.17
AAL/GFCF 0.07 **DRGI** **69.9**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.06 **DREI** **63.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00	0.01	0.00	0.00	0.05
(Fiscal)	0.00	0.01	0.00	0.00	0.01
AAL/GNE	0.00	0.00	0.00	0.00	0.02
(Fiscal)	0.00	0.00	0.00	0.00	0.00
AAL/TR	0.01	0.03	0.00	0.00	0.14
(Fiscal)	0.00	0.04	0.00	0.00	0.03
AAL/GFCF	0.00	0.01	0.00	0.00	0.06
(Fiscal)	0.00	0.02	0.00	0.00	0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.02	0.08	0.00		
(Fiscal)	0.00	0.07	0.00		
PML250/GDP	0.02	0.09	0.00		
(Fiscal)	0.00	0.07	0.00		

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CAPRA Team

Barbados

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	284 644
- Urban	[%]	31.7
- Rural	[%]	68.3
Land area	[km²]	430.0
Pop.Density	[km²/Hab]	662.0
GINI	[value]	
HDI	[value]	0.78
Exposed Value	[million US$]	14 037
- Fiscal	[million US$]	767

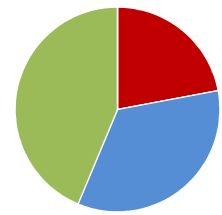
Economic Indicators

GDP Gross Domestic Product	[million US$]	4 224.8
GDP per capita	[US$]	14 917.1
GNE Gross National Expenditure	[million US$]	4 725.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	371.9
GFCF Gross Fixed Capital Formation	[million US$]	836.6
TR Total Reserves	[million US$]	681.0
Public spending on education	[% GDP]	5.6
Health Expenditure	[% GDP]	6.3

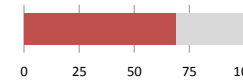
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	22.8	1.63	498.7	1 238.8	1 971.4	2 739.6
(Fiscal)	1.2	1.54	25.0	67.0	109.1	154.4
Cyclonic Wind	35.5	2.53	1 015.0	1 770.7	2 121.7	2 520.4
(Fiscal)	1.8	2.39	52.3	91.3	110.5	130.9
Storm Surge	45.3	3.22	1 483.8	2 108.4	2 356.7	2 654.5
(Fiscal)	2.4	3.07	77.4	110.3	123.2	139.7
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	103.5	7.38				
Fiscal	5.4	6.99				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **69.05**

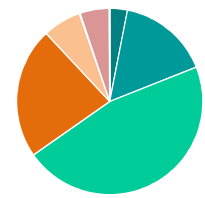
Ranking

SIDS Country	13	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	24.3	0.0	1.20
	Middle low	431.8	1.8	4.06
	Middle high	2 234.6	9.3	4.15
	High	6 401.6	27.0	4.22
Services	Commercial	3 185.0	13.3	4.17
	Industrial	940.8	3.9	4.11
Education	Private	63.7	0.1	1.54
	Public	720.0	3.0	4.11
Health	Private	12.5	0.01	1.03
	Public	22.2	0.03	1.19
Government	Assets			
	National	14 036.5	58.3	4.15
	Fiscal	766.5	3.0	3.93

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

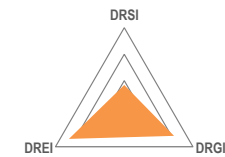
AAL/SE **DRSI** **64.2**

Disaster Risk Growth & Financial Implications

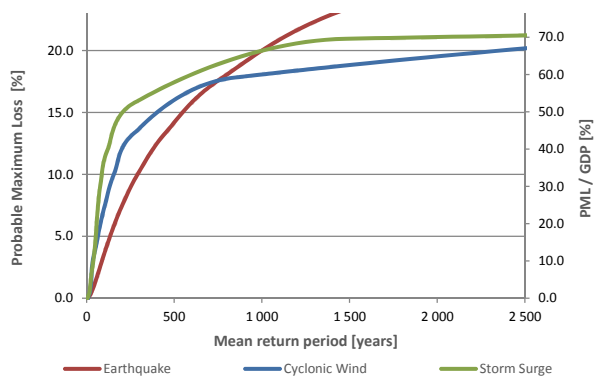
AAL/TR 0.15
AAL/GFCF 0.12
DRGI **70.9**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.28
DREI **72.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.06	0.10	0.12	
(Fiscal)	0.003	0.005	0.01	
AAL/GNE	0.005	0.01	0.01	
(Fiscal)	0.0002	0.000	0.000	
AAL/TR	0.03	0.05	0.07	
(Fiscal)	0.002	0.003	0.003	
AAL/GFCF	0.03	0.04	0.05	
(Fiscal)	0.001	0.002	0.003	
AAL/SE				
(Fiscal)				
PML250/GNE	0.11	0.21	0.31	
(Fiscal)	0.01	0.01	0.02	
PML250/GDP	0.12	0.24	0.35	
(Fiscal)	0.01	0.01	0.02	

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CAPRA Team

Belarus

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	9 466 000
- Urban	[%]	75.9
- Rural	[%]	24.1
Land area	[km²]	202 910.0
Pop.Density	[km²/Hab]	46.7
GINI	[value]	26.40
HDI	[value]	0.79
Exposed Value	[million US$]	229 899
- Fiscal	[million US$]	42 148

Economic Indicators

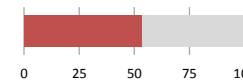
GDP Gross Domestic Product	[million US$]	71 709.5
GDP per capita	[US$]	7 575.5
GNE Gross National Expenditure	[million US$]	73 747.8
SE Social Expenditure	[million US$]	0.0
GS Gross Savings	[million US$]	20 749.5
GFCF Gross Fixed Capital Formation	[million US$]	26 490.1
TR Total Reserves	[million US$]	6 655.1
Public spending on education	[% GDP]	5.2
Health Expenditure	[% GDP]	5.0

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	449.5	1.96				
(Fiscal)	93.9	2.23				
National	449.5	1.96				
Fiscal	93.9	2.23				

AAL Distribution by Hazard

Disaster Risk Development Implications



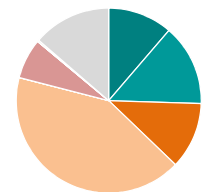
DRDI **53.7**

Ranking		
World	49	168
Region	8	51
Economy	8	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 546.6	0.0	0.00
	Middle low	47 646.8	0.0	0.00
	Middle high	55 869.6	0.0	0.00
	High			
Services	Commercial	21 279.0	0.0	0.00
	Industrial	62 432.8	0.0	0.00
Education	Private	120.7	0.0	0.00
	Public	14 739.0	0.0	0.00
Health	Private	402.4	0.0	0.00
	Public	1 191.0	0.0	0.00
Government	Assets	24 671.5	0.0	0.00
	National	229 899.3	0.1	0.00
	Fiscal	42 148.1	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

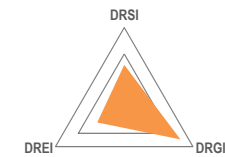
AAL/SE 29153.98 **DRSI** **53.0**

Disaster Risk Growth & Financial Implications

AAL/TR 0.07
AAL/GFCF 0.02 **DRGI** **57.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 **DREI** **50.9**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.02
(Fiscal)					0.00
AAL/GNE					0.01
(Fiscal)					0.00
AAL/TR					0.07
(Fiscal)					0.01
AAL/GFCF					0.02
(Fiscal)					0.00
AAL/SE					29153.98
(Fiscal)					6093.37
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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CAPRA Team

Belgium

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	11 195 138
- Urban	[%]	97.8
- Rural	[%]	2.2
Land area	[km²]	30 280.0
Pop.Density	[km²/Hab]	369.7
GINI	[value]	33.10
HDI	[value]	0.88
Exposed Value	[million US$]	1 981 137
- Fiscal	[million US$]	81 780

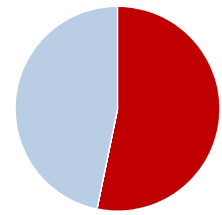
Economic Indicators

GDP Gross Domestic Product	[million US$]	524 805.5
GDP per capita	[US$]	46 878.0
GNE Gross National Expenditure	[million US$]	517 763.6
SE Social Expenditure	[million US$]	0.2
GS Gross Savings	[million US$]	118 297.2
GFCF Gross Fixed Capital Formation	[million US$]	116 900.7
TR Total Reserves	[million US$]	26 946.2
Public spending on education	[% GDP]	6.6
Health Expenditure	[% GDP]	10.8

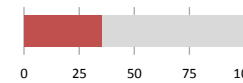
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	190.4	0.10	2 862.0	8 262.1	16 168.8	28 793.3
(Fiscal)	7.6	0.09	110.8	321.2	635.5	1 146.7
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	167.3	0.08				
(Fiscal)	6.5	0.08				
National	357.6	0.18				
Fiscal	14.1	0.17				

AAL Distribution by Hazard



Disaster Risk Development Implications



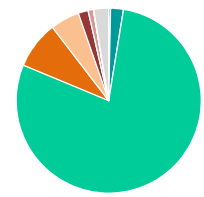
DRDI **35.35**

Ranking		
World	**141**	168
Region	**32**	51
Economy	**32**	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	639.2	0.0	0.02
	Middle low	11 504.6	0.6	0.05
	Middle high	50 007.8	4.3	0.09
	High	1 538 915.0	149.7	0.10
Services	Commercial	159 953.9	15.8	0.10
	Industrial	99 698.9	9.7	0.10
Education	Private	38 678.8	3.3	0.08
	Public	24 227.6	1.8	0.07
Health	Private	597.6	0.0	0.02
	Public	1 656.8	0.0	0.03
Government	Assets	55 256.9	5.0	0.09
National		1 981 137.0	190.1	0.10
Fiscal		81 780.4	6.8	0.08

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

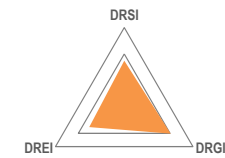
AAL/SE 1941.68 **DRSI** **35.0**

Disaster Risk Growth & Financial Implications

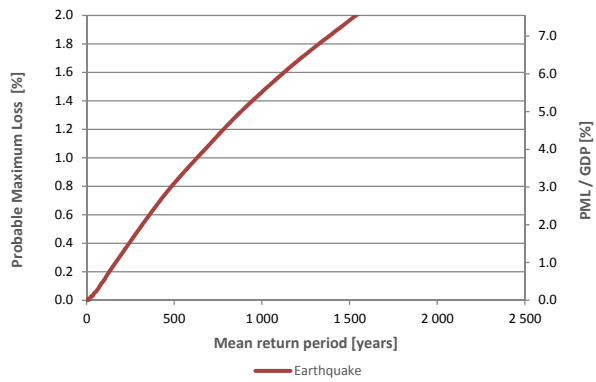
AAL/TR 0.01
AAL/GFCF 0.00 **DRGI** **40.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **30.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE	1033.65				908.02
(Fiscal)	41.37				35.13
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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CAPRA Team

Belize

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	331 900
- Urban	[%]	44.3
- Rural	[%]	55.7
Land area	[km^2]	22 810.0
Pop.Density	[km^2/Hab]	14.6
GINI	[value]	53.10
HDI	[value]	0.73
Exposed Value	[million US$]	5 995
- Fiscal	[million US$]	326

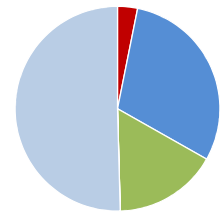
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 624.3
GDP per capita	[US$]	4 893.9
GNE Gross National Expenditure	[million US$]	1 713.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	200.1
GFCF Gross Fixed Capital Formation	[million US$]	289.9
TR Total Reserves	[million US$]	402.8
Public spending on education	[% GDP]	6.6
Health Expenditure	[% GDP]	5.8

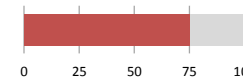
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.0	0.49	44.8	93.6	152.5	237.9
(Fiscal)	0.2	0.52	2.7	5.6	9.0	14.0
Cyclonic Wind	28.2	4.70	816.0	1 281.2	1 529.2	1 816.8
(Fiscal)	1.6	4.85	45.9	70.9	85.8	104.3
Storm Surge	15.4	2.56	490.4	647.8	697.3	739.4
(Fiscal)	0.8	2.55	26.4	34.9	38.2	40.4
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	47.3	7.89				
(Fiscal)	2.7	8.41				
National	93.7	15.64				
Fiscal	5.3	16.33				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **75.49**

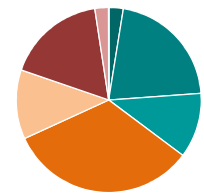
Ranking

SIDS country	7	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	164.9	0.8	4.76
	Middle low	1 273.3	6.6	5.20
	Middle high	688.4	3.5	5.14
	High			
Services	Commercial	1 942.0	10.2	5.27
	Industrial	724.6	3.8	5.18
Education	Private	1 039.3	5.4	5.18
	Public	157.6	0.7	4.72
Health	Private	1.4	0.002	1.64
	Public	3.3	0.01	1.66
Government	Assets			
	National	5 994.8	31.1	5.18
	Fiscal	325.8	1.5	4.71

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

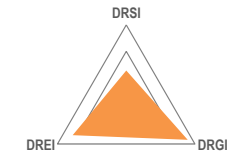
AAL/SE **DRSI** **71.4**

Disaster Risk Growth & Financial Implications

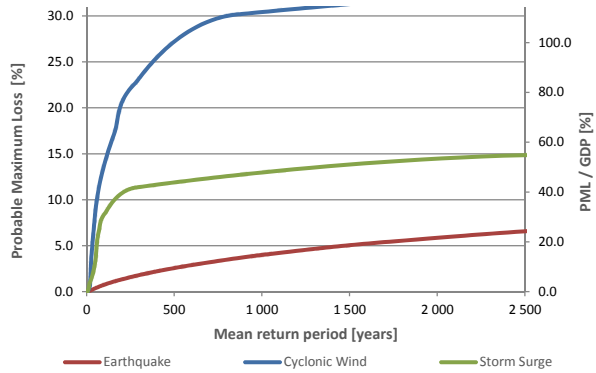
AAL/TR 0.23
AAL/GFCF 0.32
DRGI **78.4**

Disaster Risk Economic Implications

AAL/PC 0.02
AAL/GS 0.47
DREI **76.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01	0.14	0.08		0.24
(Fiscal)	0.001	0.01	0.004		0.01
AAL/GNE	0.002	0.02	0.01		0.03
(Fiscal)	0.0001	0.001	0.000		0.00
AAL/TR	0.01	0.07	0.04		0.12
(Fiscal)	0.000	0.004	0.002		0.01
AAL/GFCF	0.01	0.10	0.05		0.16
(Fiscal)	0.001	0.01	0.003		0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.03	0.48	0.29		
(Fiscal)	0.002	0.03	0.02		
PML250/GDP	0.03	0.50	0.30		
(Fiscal)	0.002	0.03	0.02		

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CAPRA Team

Benin

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	10 323 474
- Urban	[%]	43.1
- Rural	[%]	56.9
Land area	[km²]	112 760.0
Pop.Density	[km²/Hab]	91.6
GINI	[value]	43.50
HDI	[value]	0.48
Exposed Value	[million US$]	21 976
- Fiscal	[million US$]	7 569

Economic Indicators

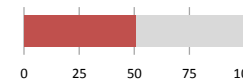
GDP Gross Domestic Product	[million US$]	8 307.2
GDP per capita	[US$]	804.7
GNE Gross National Expenditure	[million US$]	9 572.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	991.4
GFCF Gross Fixed Capital Formation	[million US$]	2 182.6
TR Total Reserves	[million US$]	694.9
Public spending on education	[% GDP]	5.3
Health Expenditure	[% GDP]	4.5

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.2	0.01	3.4	11.4	20.4	34.9
(Fiscal)	0.1	0.01	1.2	3.9	7.0	12.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	19.2	0.87				
(Fiscal)	7.1	0.94				
National	19.5	0.89				
Fiscal	7.2	0.95				

AAL Distribution by Hazard

Disaster Risk Development Implications



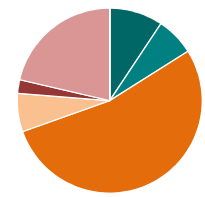
DRDI **50.92**

Ranking		
World	73	168
Region	21	57
Economy	29	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 530.1	0.0	0.00
	Middle low	1 914.7	0.0	0.00
	Middle high			
	High			
Services	Commercial	9 700.2	0.1	0.01
	Industrial	1 885.2	0.0	0.00
Education	Private	903.2	0.0	0.00
	Public	5 035.9	0.0	0.01
Health	Private	3.3	0.0	0.00
	Public	3.4	0.0	0.00
Government	Assets			
	National	21 975.8	0.1	0.01
	Fiscal	7 569.4	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

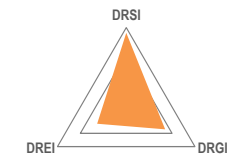
AAL/SE **DRSI** **51.8**

Disaster Risk Growth & Financial Implications

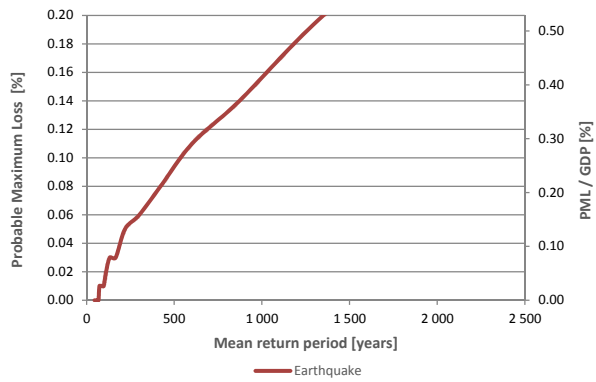
AAL/TR 0.03
AAL/GFCF 0.01
DRGI **50.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **50.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.02
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.03
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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CAPRA Team

Bermuda

Northern America

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

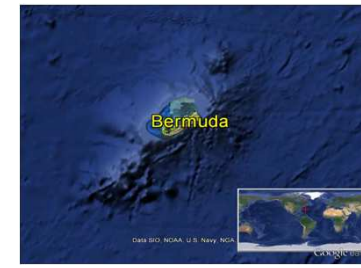
UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	65 024
- Urban	[%]	100.0
- Rural	[%]	0.0
Land area	[km²]	50.0
Pop.Density	[km²/Hab]	1 300.5
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	10 452
- Fiscal	[million US$]	104

Economic Indicators

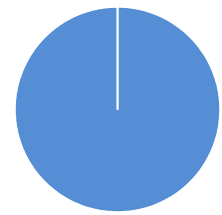
GDP Gross Domestic Product	[million US$]	5 473.5
GDP per capita	[US$]	84 470.8
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	2.6
Health Expenditure	[% GDP]	



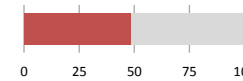
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	61.2	5.85	1 220.0	2 430.1	3 307.6	3 673.0
(Fiscal)	0.6	5.68	11.7	23.2	32.0	36.0
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	61.2	5.85				
Fiscal	0.6	5.68				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **48.69**

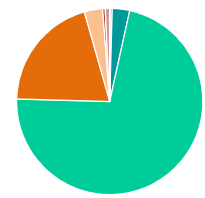
Ranking

SIDS Country **28** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	3.5	0.0	0.00
	Middle low	61.1	0.3	4.31
	Middle high	332.0	1.8	5.56
	High	7 434.8	44.1	5.93
Services	Commercial	2 109.9	12.3	5.85
	Industrial	348.0	1.9	5.56
Education	Private	61.5	0.3	4.31
	Public	97.3	0.5	4.91
Health	Private	0.7	0.0	0.00
	Public	3.1	0.0	0.00
Government	Assets			
National		10 451.9	61.2	5.85
Fiscal		103.9	0.5	4.60

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE — DRSI **70.7**

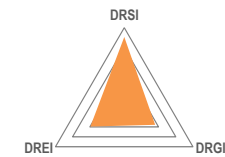
Disaster Risk Growth & Financial Implications

AAL/TR, AAL/GFCF — DRGI **35.9**

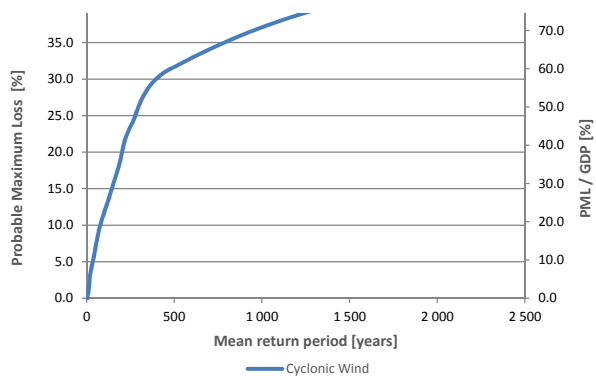
Disaster Risk Economic Implications

AAL/PC 0.01

AAL/GS — DREI **39.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP		0.22		
(Fiscal)		0.00		

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CAPRA Team

Bhutan

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

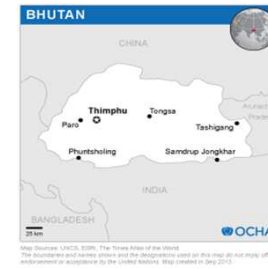
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	753 947
- Urban	[%]	37.1
- Rural	[%]	62.9
Land area	[km²]	38 117.0
Pop.Density	[km²/Hab]	19.8
GINI	[value]	38.70
HDI	[value]	0.58
Exposed Value	[million US$]	11 086
- Fiscal	[million US$]	3 476

Economic Indicators

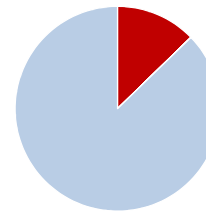
GDP Gross Domestic Product	[million US$]	1 781.3
GDP per capita	[US$]	2 362.6
GNE Gross National Expenditure	[million US$]	2 173.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	462.6
GFCF Gross Fixed Capital Formation	[million US$]	842.1
TR Total Reserves	[million US$]	991.3
Public spending on education	[% GDP]	4.7
Health Expenditure	[% GDP]	3.8



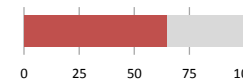
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	8.0	0.72	148.3	418.3	790.1	1 320.9
(Fiscal)	2.5	0.72	46.4	131.2	248.0	414.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	54.7	4.93				
(Fiscal)	17.2	4.94				
National	62.6	5.65				
Fiscal	19.7	5.66				

AAL Distribution by Hazard



Disaster Risk Development Implications



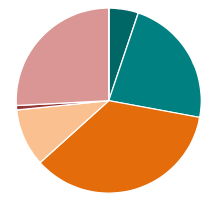
DRDI **64.71**

Ranking		
World	12	168
Region	7	48
Economy	5	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	636.9	0.4	0.61
	Middle low	2 485.5	1.7	0.69
	Middle high			
	High			
Services	Commercial	3 821.5	2.7	0.70
	Industrial	1 158.4	0.8	0.65
Education	Private	142.0	0.1	0.41
	Public	2 826.2	1.9	0.69
Health	Private	2.9	0.0	0.03
	Public	12.9	0.0	0.05
Government	Assets			
National		11 086.3	7.5	0.68
Fiscal		3 475.9	2.3	0.67

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

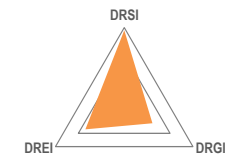
AAL/SE **DRSI** **69.5**

Disaster Risk Growth & Financial Implications

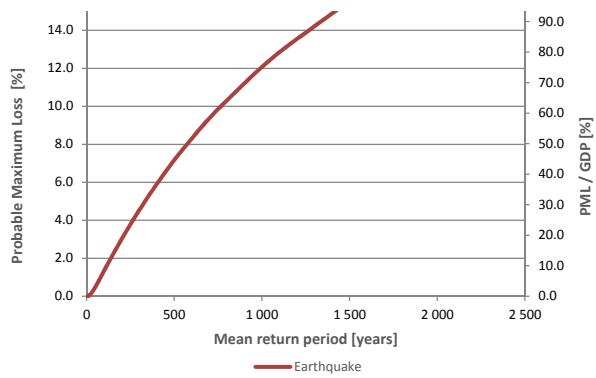
AAL/TR 0.06
AAL/GFCF 0.07
DRGI **61.2**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.14
DREI **63.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02				0.12
(Fiscal)	0.01				0.04
AAL/GNE	0.004				0.03
(Fiscal)	0.001				0.01
AAL/TR	0.01				0.06
(Fiscal)	0.003				0.02
AAL/GFCF	0.01				0.06
(Fiscal)	0.003				0.02
AAL/SE					
(Fiscal)					
PML250/GNE	0.07				
(Fiscal)	0.02				
PML250/GDP	0.08				
(Fiscal)	0.03				

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Bolivia

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	10 671 200
- Urban	[%]	67.7
- Rural	[%]	32.3
Land area	[km²]	1 083 300.0
Pop.Density	[km²/Hab]	9.9
GINI	[value]	46.60
HDI	[value]	0.67
Exposed Value	[million US$]	60 805
- Fiscal	[million US$]	21 015

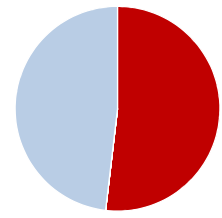
Economic Indicators

GDP Gross Domestic Product	[million US$]	30 601.2
GDP per capita	[US$]	2 867.6
GNE Gross National Expenditure	[million US$]	28 469.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	6 954.9
GFCF Gross Fixed Capital Formation	[million US$]	5 845.0
TR Total Reserves	[million US$]	14 429.1
Public spending on education	[% GDP]	6.9
Health Expenditure	[% GDP]	5.8

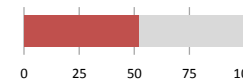
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	74.5	1.23	912.3	1 797.7	2 708.0	3 682.3
(Fiscal)	25.8	1.23	316.6	623.9	938.6	1 276.1
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	69.2	1.14				
(Fiscal)	23.9	1.14				
National	143.7	2.37				
Fiscal	49.7	2.36				

AAL Distribution by Hazard



Disaster Risk Development Implications



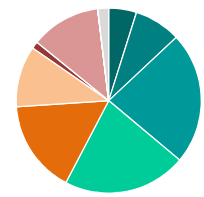
DRDI **52.32**

Ranking		
World	60	168
Region	12	46
Economy	20	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	5 476.8	6.3	1.15
	Middle low	8 931.9	10.6	1.19
	Middle high	10.0	30.0	3000.00
	High	8.0	28.0	3500.00
Services	Commercial	17 567.9	21.1	1.20
	Industrial	11 725.0	13.9	1.18
Education	Private	1 526.3	1.6	1.05
	Public	13 246.2	15.9	1.20
Health	Private	20.7	0.0	0.64
	Public	39.8	0.0	0.72
Government	Assets	2 252.2	2.4	1.09
National		60 804.8	129.9	2.14
Fiscal		21 014.9	24.6	1.17

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

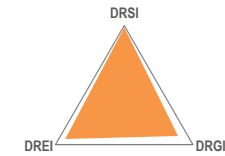
AAL/SE — **DRSI** 58.6

Disaster Risk Growth & Financial Implications

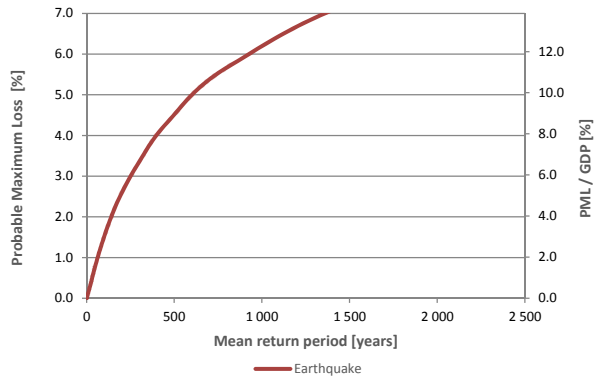
AAL/TR 0.01
AAL/GFCF 0.02
DRGI 46.9

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI 51.5



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.03				
(Fiscal)	0.01				
PML250/GDP	0.03				
(Fiscal)	0.01				

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Bosnia and Herzegovina

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	3 829 307
- Urban	[%]	39.5
- Rural	[%]	60.5
Land area	[km²]	51 000.0
Pop.Density	[km²/Hab]	75.1
GINI	[value]	33.00
HDI	[value]	0.73
Exposed Value	[million US$]	30 669
- Fiscal	[million US$]	4 209

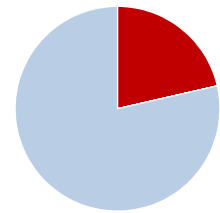
Economic Indicators

GDP Gross Domestic Product	[million US$]	17 851.3
GDP per capita	[US$]	4 661.8
GNE Gross National Expenditure	[million US$]	21 616.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 643.5
GFCF Gross Fixed Capital Formation	[million US$]	3 192.5
TR Total Reserves	[million US$]	4 984.0
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	9.9

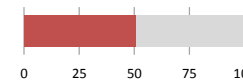
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	14.9	0.49	152.2	350.8	591.9	902.7
(Fiscal)	2.1	0.49	20.9	48.3	81.5	124.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	54.7	1.78				
(Fiscal)	7.5	1.79				
National	69.6	2.27				
Fiscal	9.6	2.28				

AAL Distribution by Hazard



Disaster Risk Development Implications



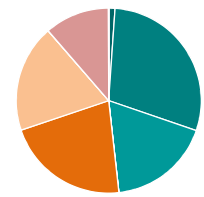
DRDI **50.9**

Ranking		
World	75	168
Region	14	51
Economy	23	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	578.9	0.2	0.26
	Middle low	8 602.9	4.1	0.47
	Middle high	5 492.5	2.5	0.46
	High			
Services	Commercial	6 506.6	3.0	0.46
	Industrial	5 768.0	2.6	0.46
Education	Private	51.5	0.0	0.07
	Public	3 580.8	1.6	0.44
Health	Private	38.1	0.0	0.05
	Public	49.7	0.0	0.07
Government	Assets			
	National	30 669.1	14.0	0.46
	Fiscal	4 209.5	1.7	0.41

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

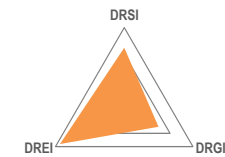
AAL/SE **DRSI** **51.2**

Disaster Risk Growth & Financial Implications

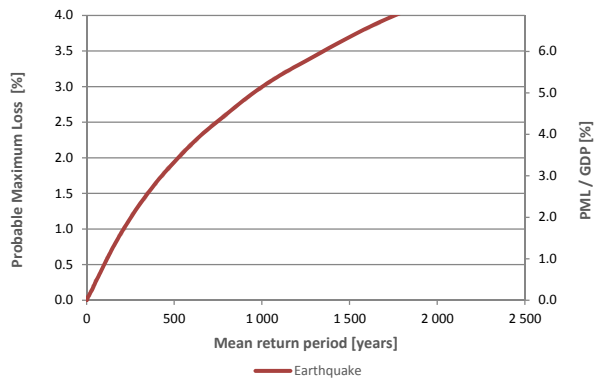
AAL/TR 0.01
AAL/GFCF 0.02
DRGI **47.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.04
DREI **54.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.03
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.02
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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Botswana

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 021 144
- Urban	[%]	56.9
- Rural	[%]	43.1
Land area	[km²]	566 730.0
Pop.Density	[km²/Hab]	3.6
GINI	[value]	60.40
HDI	[value]	0.68
Exposed Value	[million US$]	90 958
- Fiscal	[million US$]	20 752

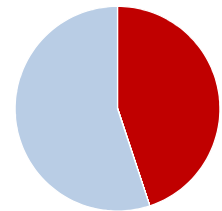
Economic Indicators

GDP Gross Domestic Product	[million US$]	14 784.7
GDP per capita	[US$]	7 315.0
GNE Gross National Expenditure	[million US$]	15 491.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	5 160.6
GFCF Gross Fixed Capital Formation	[million US$]	5 015.1
TR Total Reserves	[million US$]	7 726.1
Public spending on education	[% GDP]	9.5
Health Expenditure	[% GDP]	5.3

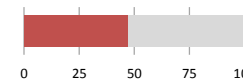
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	31.5	0.35	299.3	648.0	1 091.6	1 716.5
(Fiscal)	7.5	0.36	71.3	154.2	260.8	413.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	38.7	0.43				
(Fiscal)	16.9	0.81				
National	70.2	0.77				
Fiscal	24.4	1.17				

AAL Distribution by Hazard



Disaster Risk Development Implications



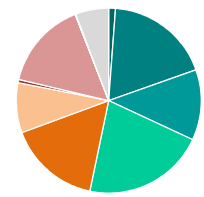
DRDI **47.13**

Ranking		
World	96	168
Region	26	57
Economy	20	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 226.6	0.4	0.30
	Middle low	16 577.4	5.8	0.35
	Middle high	11 226.1	3.9	0.34
	High	19 169.4	6.7	0.35
Services	Commercial	14 522.1	5.0	0.35
	Industrial	8 070.3	2.7	0.34
Education	Private	612.2	0.2	0.28
	Public	13 976.8	4.8	0.35
Health	Private	27.9	0.0	0.19
	Public	102.5	0.0	0.23
Government	Assets	5 446.3	1.8	0.33
	National	90 957.6	31.3	0.34
	Fiscal	20 752.1	7.0	0.34

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

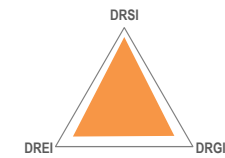
AAL/SE **DRSI** **52.8**

Disaster Risk Growth & Financial Implications

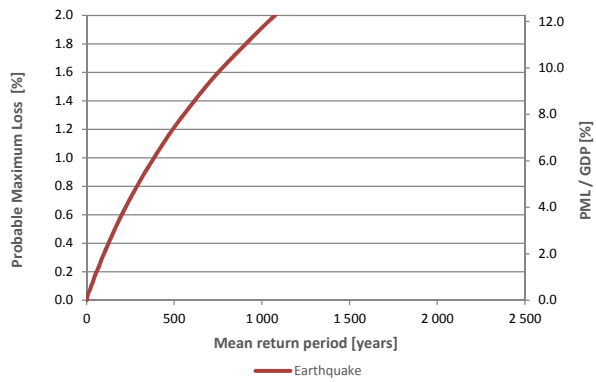
AAL/TR 0.01
AAL/GFCF 0.01
DRGI **43.8**

Disaster Risk Economic Implications

AAL/PC 0.001
AAL/GS 0.01
DREI **44.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.001				0.003
AAL/GNE	0.002				0.002
(Fiscal)	0.0005				0.001
AAL/TR	0.004				0.01
(Fiscal)	0.001				0.002
AAL/GFCF	0.01				0.01
(Fiscal)	0.001				0.003
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.005				
PML250/GDP	0.02				
(Fiscal)	0.005				

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CAPRA Team

Brazil

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	200 361 920
- Urban	[%]	85.2
- Rural	[%]	14.8
Land area	[km^2]	8 358 140.0
Pop.Density	[km^2/Hab]	24.0
GINI	[value]	52.60
HDI	[value]	0.74
Exposed Value	[million US$]	6 947 935
- Fiscal	[million US$]	1 227 240

Economic Indicators

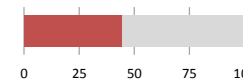
GDP Gross Domestic Product	[million US$]	2 245 673.1
GDP per capita	[US$]	11 208.1
GNE Gross National Expenditure	[million US$]	2 301 444.0
SE Social Expenditure	[million US$]	0.6
GS Gross Savings	[million US$]	329 125.7
GFCF Gross Fixed Capital Formation	[million US$]	408 331.8
TR Total Reserves	[million US$]	358 816.4
Public spending on education	[% GDP]	5.8
Health Expenditure	[% GDP]	9.3

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	4 443.3	0.65				
(Fiscal)	726.1	0.59				
National	4 443.3	0.65				
Fiscal	726.1	0.59				

AAL Distribution by Hazard

Disaster Risk Development Implications



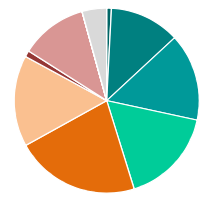
DRDI **44.28**

Ranking		
World	117	168
Region	16	46
Economy	26	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	78 611.5	0.5	0.01
	Middle low	858 708.3	7.7	0.01
	Middle high	1 054 014.0	9.6	0.01
	High	1 145 850.0	10.6	0.01
Services	Commercial	1 458 510.0	13.7	0.01
	Industrial	1 097 557.0	10.0	0.01
Education	Private	101 153.2	0.7	0.01
	Public	817 738.9	7.3	0.01
Health	Private	4 902.0	0.0	0.00
	Public	3 470.0	0.0	0.00
Government	Assets	327 419.9	2.7	0.01
	National	6 947 934.8	62.9	0.01
	Fiscal	1 227 240.3	10.6	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

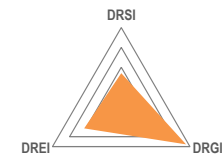
AAL/SE 7297.76 **DRSI** **43.8**

Disaster Risk Growth & Financial Implications

AAL/TR 0.01
AAL/GFCF 0.01 **DRGI** **44.9**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **44.1**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.01
(Fiscal)					0.00
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.01
(Fiscal)					0.00
AAL/GFCF					0.01
(Fiscal)					0.00
AAL/SE					7297.76
(Fiscal)					1192.48
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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CAPRA Team

British Virgin Islands

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	32 680
- Urban	[%]	40.6
- Rural	[%]	59.4
Land area	[km²]	151.0
Pop.Density	[km²/Hab]	216.4
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	3 850
- Fiscal	[million US$]	163

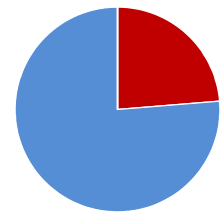
Economic Indicators

GDP Gross Domestic Product	[million US$]	
GDP per capita	[US$]	
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	

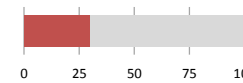
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	20.5	5.34	385.7	637.6	838.4	1 031.4
(Fiscal)	0.8	5.09	16.7	28.8	38.3	48.6
Cyclonic Wind	66.1	17.18	1 209.9	1 522.8	1 645.4	1 757.9
(Fiscal)	2.6	16.06	48.5	63.5	67.3	74.6
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	86.7	22.51				
Fiscal	3.5	21.14				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **29.77**

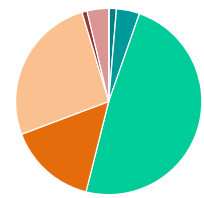
Ranking

SIDS Country **38** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	6.7	0.0	4.45
	Middle low	59.1	1.1	19.03
	Middle high	163.8	3.5	21.27
	High	1 835.3	42.1	22.93
Services	Commercial	590.5	13.3	22.56
	Industrial	994.1	22.6	22.72
Education	Private	43.0	0.8	18.10
	Public	154.0	3.2	21.10
Health	Private	0.5	0.0	0.00
	Public	2.5	0.0	0.00
Government	Assets			
	National	3 849.5	86.7	22.51
	Fiscal	163.2	3.3	20.09

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

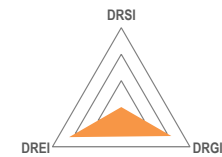
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

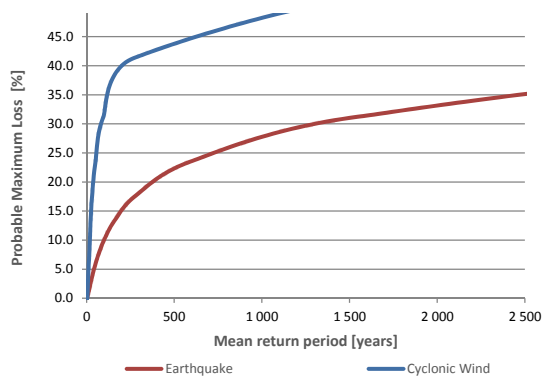
AAL/TR
AAL/GFCF **DRGI** **43.8**

Disaster Risk Economic Implications

AAL/PC 0.02
AAL/GS **DREI** **45.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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CAPRA Team

Brunei

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	417 784
- Urban	[%]	76.6
- Rural	[%]	23.4
Land area	[km²]	5 270.0
Pop.Density	[km²/Hab]	79.3
GINI	[value]	
HDI	[value]	0.85
Exposed Value	[million US$]	71 238
- Fiscal	[million US$]	3 168

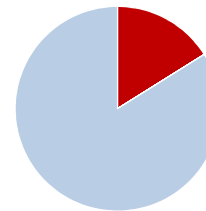
Economic Indicators

GDP Gross Domestic Product	[million US$]	16 111.1
GDP per capita	[US$]	38 563.3
GNE Gross National Expenditure	[million US$]	9 075.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	5 461.8
GFCF Gross Fixed Capital Formation	[million US$]	2 467.0
TR Total Reserves	[million US$]	3 575.3
Public spending on education	[% GDP]	3.5
Health Expenditure	[% GDP]	2.3

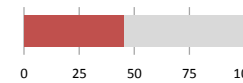
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	5.9	0.08	48.8	110.9	247.3	570.0
(Fiscal)	0.3	0.08	2.1	4.6	10.3	23.7
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	0.0	0.01	0.9	2.5	3.8	5.3
Flood	31.0	0.43				
(Fiscal)	0.8	0.24				
National	36.9	0.52				
Fiscal	1.0	0.33				

AAL Distribution by Hazard



Disaster Risk Development Implications



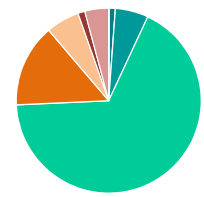
DRDI **45.43**

Ranking		
World	**107**	168
Region	**36**	48
Economy	**15**	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	53.0	0.0	0.02
	Middle low	926.9	0.1	0.07
	Middle high	4 221.2	0.3	0.08
	High	47 326.2	4.0	0.08
Services	Commercial	10 336.3	0.9	0.08
	Industrial	4 248.3	0.3	0.08
Education	Private	1 004.6	0.1	0.07
	Public	3 080.8	0.2	0.08
Health	Private	6.6	0.0	0.00
	Public	34.4	0.0	0.02
Government	Assets			
	National	71 238.3	5.9	0.08
	Fiscal	3 168.2	0.2	0.08

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

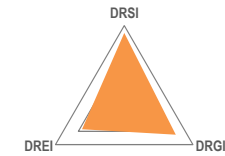
AAL/SE **DRSI** **54.4**

Disaster Risk Growth & Financial Implications

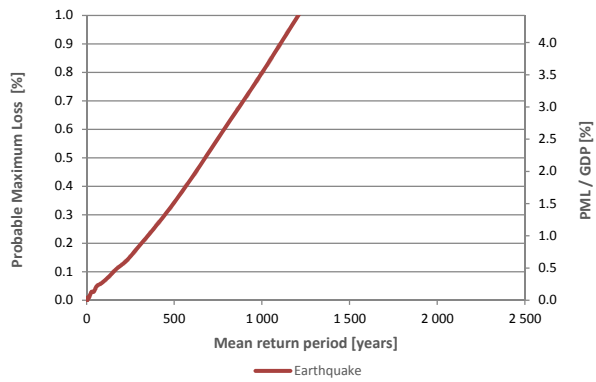
AAL/TR 0.01
AAL/GFCF 0.01
DRGI **45.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **36.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.001				0.01
(Fiscal)	0.00005			0.00001	0.0001
AAL/GNE	0.001				0.003
(Fiscal)	0.00003			0.000004	0.0001
AAL/TR	0.002				0.01
(Fiscal)	0.0001			0.00001	0.0002
AAL/GFCF	0.002				0.01
(Fiscal)	0.0001			0.00002	0.0003
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.0002			0.0001	
PML250/GDP	0.003				
(Fiscal)	0.0001			0.0001	

Bulgaria

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	7 265 115
- Urban	[%]	73.3
- Rural	[%]	26.7
Land area	[km²]	108 560.0
Pop.Density	[km²/Hab]	66.9
GINI	[value]	34.20
HDI	[value]	0.78
Exposed Value	[million US$]	163 965
- Fiscal	[million US$]	22 482

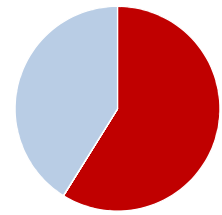
Economic Indicators

GDP Gross Domestic Product	[million US$]	54 479.9
GDP per capita	[US$]	7 498.8
GNE Gross National Expenditure	[million US$]	54 795.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	11 158.5
GFCF Gross Fixed Capital Formation	[million US$]	11 609.9
TR Total Reserves	[million US$]	19 883.4
Public spending on education	[% GDP]	4.1
Health Expenditure	[% GDP]	7.4

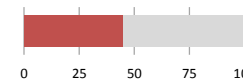
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	83.4	0.51	960.7	1 975.1	3 165.5	4 694.9
(Fiscal)	13.0	0.58	150.3	307.3	488.7	723.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	58.2	0.36				
(Fiscal)	7.1	0.31				
National	141.6	0.86				
Fiscal	20.1	0.89				

AAL Distribution by Hazard



Disaster Risk Development Implications



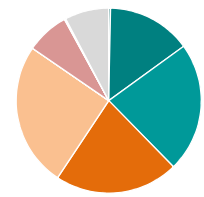
DRDI **44.8**

Ranking		
World	111	168
Region	20	51
Economy	24	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 129.8	0.3	0.23
	Middle low	30 961.8	12.2	0.39
	Middle high	47 498.5	18.9	0.40
	High			
Services	Commercial	29 079.8	18.0	0.62
	Industrial	33 588.7	21.0	0.63
Education	Private	88.3	0.0	0.24
	Public	10 345.9	6.2	0.60
Health	Private	265.6	0.1	0.32
	Public	367.4	0.1	0.34
Government	Assets	10 638.9	6.4	0.60
	National	163 964.6	83.2	0.51
	Fiscal	22 481.9	13.0	0.58

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

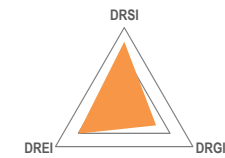
AAL/SE **DRSI** **47.3**

Disaster Risk Growth & Financial Implications

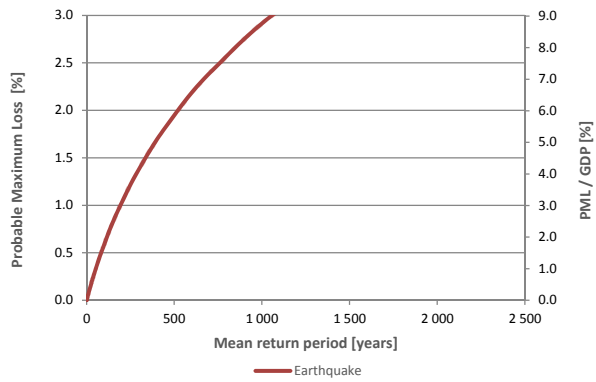
AAL/TR 0.01
AAL/GFCF 0.01 **DRGI** **42.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **45.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.02				
(Fiscal)	0.00				

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Burkina Faso

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	16 934 840
- Urban	[%]	28.2
- Rural	[%]	71.8
Land area	[km²]	273 600.0
Pop.Density	[km²/Hab]	61.9
GINI	[value]	39.70
HDI	[value]	0.39
Exposed Value	[million US$]	24 704
- Fiscal	[million US$]	14 498

Economic Indicators

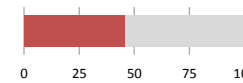
GDP Gross Domestic Product	[million US$]	11 582.6
GDP per capita	[US$]	683.9
GNE Gross National Expenditure	[million US$]	11 452.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	2 109.6
GFCF Gross Fixed Capital Formation	[million US$]	1 889.8
TR Total Reserves	[million US$]	628.5
Public spending on education	[% GDP]	3.4
Health Expenditure	[% GDP]	6.2

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	16.6	0.67				
(Fiscal)	10.9	0.75				
National	16.6	0.67				
Fiscal	10.9	0.75				

AAL Distribution by Hazard

Disaster Risk Development Implications



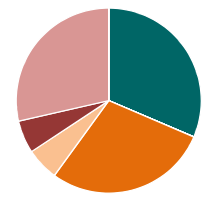
DRDI **45.68**

Ranking		
World	106	168
Region	30	57
Economy	36	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	7 244.8	0.0	0.00
	Middle low			
	Middle high			
	High			
Services	Commercial	7 020.7	0.0	0.00
	Industrial	1 574.5	0.0	0.00
Education	Private	1 600.2	0.0	0.00
	Public	7 236.3	0.0	0.00
Health	Private	11.1	0.0	0.00
	Public	16.7	0.0	0.00
Government	Assets			
	National	24 704.3	0.0	0.00
	Fiscal	14 497.8	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

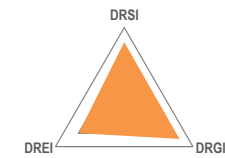
AAL/SE **DRSI** **48.9**

Disaster Risk Growth & Financial Implications

AAL/TR 0.03
AAL/GFCF 0.01
DRGI **48.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **39.8**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.01
(Fiscal)					0.01
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.03
(Fiscal)					0.02
AAL/GFCF					0.01
(Fiscal)					0.01
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

CIMNE
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INGENIAR Ltd

CAPRA Team

Burundi

Africa

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	10 162 532
- Urban	[%]	11.5
- Rural	[%]	88.5
Land area	[km²]	25 680.0
Pop.Density	[km²/Hab]	395.7
GINI	[value]	33.20
HDI	[value]	0.39
Exposed Value	[million US$]	3 616
- Fiscal	[million US$]	3 126

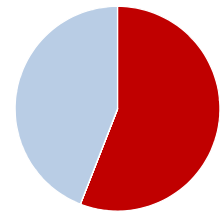
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 714.5
GDP per capita	[US$]	267.1
GNE Gross National Expenditure	[million US$]	3 443.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	433.8
GFCF Gross Fixed Capital Formation	[million US$]	780.3
TR Total Reserves	[million US$]	329.3
Public spending on education	[% GDP]	5.8
Health Expenditure	[% GDP]	8.1

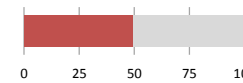
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.9	1.07	49.1	135.9	257.5	424.4
(Fiscal)	3.3	1.04	41.3	114.3	216.8	356.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	3.1	0.84				
(Fiscal)	2.6	0.83				
National	6.9	1.91				
Fiscal	5.8	1.87				

AAL Distribution by Hazard



Disaster Risk Development Implications



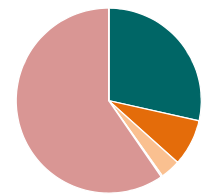
DRDI **49.28**

Ranking		
World	81	168
Region	22	57
Economy	30	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 012.8	1.1	1.06
	Middle low			
	Middle high			
	High			
Services	Commercial	298.5	0.3	1.02
	Industrial	150.5	0.1	0.88
Education	Private	38.9	0.01	0.25
	Public	2 111.8	2.2	1.06
Health	Private	2.4	0.0	0.0
	Public	1.5	0.0	0.0
Government	Assets			
	National	3 616.4	3.8	1.04
	Fiscal	3 126.0	3.3	1.06

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

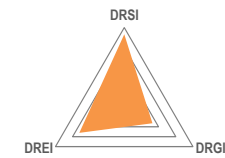
AAL/SE **DRSI** **51.3**

Disaster Risk Growth & Financial Implications

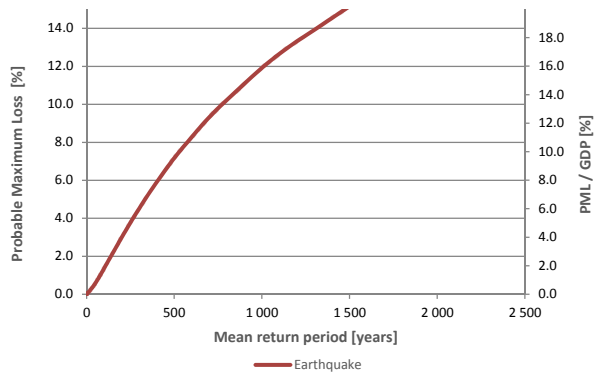
AAL/TR 0.02
AAL/GFCF 0.01
DRGI **47.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **49.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.01				0.01
AAL/GNE	0.001				0.001
(Fiscal)	0.001				0.001
AAL/TR	0.01				0.01
(Fiscal)	0.01				0.01
AAL/GFCF	0.005				0.004
(Fiscal)	0.004				0.003
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.01				
PML250/GDP	0.02				
(Fiscal)	0.02				

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CAPRA Team

Cambodia

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	15 135 169
- Urban	[%]	20.3
- Rural	[%]	79.7
Land area	[km²]	176 520.0
Pop.Density	[km²/Hab]	85.7
GINI	[value]	31.80
HDI	[value]	0.58
Exposed Value	[million US$]	27 403
- Fiscal	[million US$]	10 532

Economic Indicators

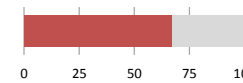
GDP Gross Domestic Product	[million US$]	15 238.7
GDP per capita	[US$]	1 006.8
GNE Gross National Expenditure	[million US$]	16 467.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 551.2
GFCF Gross Fixed Capital Formation	[million US$]	2 753.6
TR Total Reserves	[million US$]	4 997.9
Public spending on education	[% GDP]	2.6
Health Expenditure	[% GDP]	5.4

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	0.5	0.05	15.5	20.3	21.6	24.3
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	251.2	9.17				
(Fiscal)	97.1	9.22				
National	251.2	9.17				
Fiscal	97.6	9.27				

AAL Distribution by Hazard

Disaster Risk Development Implications



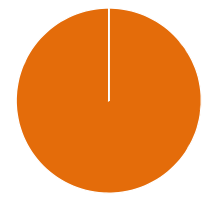
DRDI **67.23**

Ranking		
World	7	168
Region	4	48
Economy	4	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 604.2	0.0	0.00
	Middle low	2 799.0	0.0	0.00
	Middle high			
	High			
Services	Commercial	7 908.0	0.0	0.00
	Industrial	6 078.3	0.0	0.00
Education	Private	73.1	0.0	0.00
	Public	5 923.4	0.0	0.00
Health	Private	12.2	0.0	0.00
	Public	4.9	0.0	0.00
Government	Assets			
National		27 403.1	0.0	0.00
Fiscal		10 532.5	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

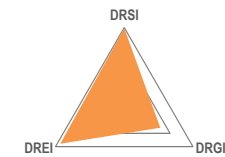
AAL/SE — **DRSI** 69.9

Disaster Risk Growth & Financial Implications

AAL/TR 0.05
AAL/GFCF 0.09
— **DRGI** 62.9

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.16
— **DREI** 68.9



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.16
(Fiscal)		0.00			0.06
AAL/GNE					0.02
(Fiscal)		0.00			0.01
AAL/TR					0.05
(Fiscal)		0.00			0.02
AAL/GFCF					0.09
(Fiscal)		0.00			0.04
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)		0.00			
PML250/GDP					
(Fiscal)		0.00			

Cameroon

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	22 253 960
- Urban	[%]	53.3
- Rural	[%]	46.8
Land area	[km²]	472 710.0
Pop.Density	[km²/Hab]	47.1
GINI	[value]	40.70
HDI	[value]	0.50
Exposed Value	[million US$]	81 884
- Fiscal	[million US$]	30 246

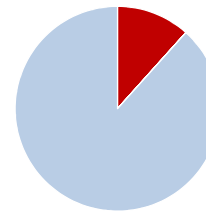
Economic Indicators

GDP Gross Domestic Product	[million US$]	29 567.5
GDP per capita	[US$]	1 328.6
GNE Gross National Expenditure	[million US$]	32 007.4
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	2 879.4
GFCF Gross Fixed Capital Formation	[million US$]	5 736.5
TR Total Reserves	[million US$]	3 380.7
Public spending on education	[% GDP]	3.1
Health Expenditure	[% GDP]	5.1

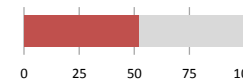
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	9.9	0.12	139.5	415.8	879.3	1 622.1
(Fiscal)	3.7	0.12	51.9	154.5	327.0	603.9
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	74.9	0.92				
(Fiscal)	28.8	0.95				
National	84.7	1.04				
Fiscal	32.5	1.07				

AAL Distribution by Hazard



Disaster Risk Development Implications



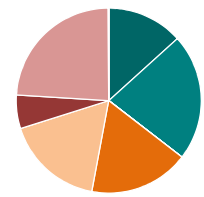
DRDI **51.93**

Ranking		
World	62	168
Region	18	57
Economy	21	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	11 216.6	1.1	0.10
	Middle low	17 811.2	1.8	0.10
	Middle high			
	High			
Services	Commercial	14 277.8	1.4	0.10
	Industrial	13 978.4	1.4	0.10
Education	Private	5 440.7	0.5	0.09
	Public	18 986.8	2.0	0.10
Health	Private	129.9	0.0	0.05
	Public	42.2	0.0	0.03
Government	Assets			
National		81 883.6	8.2	0.10
Fiscal		30 245.6	3.1	0.10

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

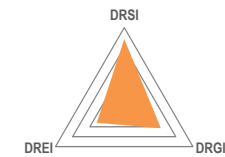
AAL/SE — **DRSI** 57.1

Disaster Risk Growth & Financial Implications

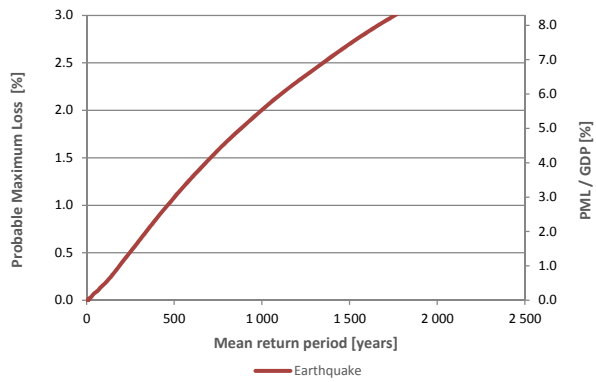
AAL/TR 0.03
AAL/GFCF 0.01 — **DRGI** 50.7

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03 — **DREI** 48.0



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.03
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.02
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Canada

Northern America

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	35 158 304
- Urban	[%]	81.5
- Rural	[%]	18.5
Land area	[km²]	9 093 510.0
Pop.Density	[km²/Hab]	3.9
GINI	[value]	33.60
HDI	[value]	0.90
Exposed Value	[million US$]	6 351 503
- Fiscal	[million US$]	393 101

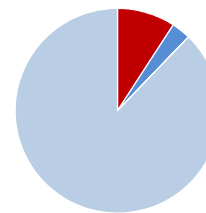
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 826 768.6
GDP per capita	[US$]	51 958.4
GNE Gross National Expenditure	[million US$]	1 857 561.0
SE Social Expenditure	[million US$]	0.4
GS Gross Savings	[million US$]	376 698.3
GFCF Gross Fixed Capital Formation	[million US$]	433 369.1
TR Total Reserves	[million US$]	71 937.1
Public spending on education	[% GDP]	5.4
Health Expenditure	[% GDP]	10.9

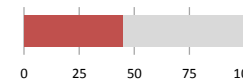
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	294.1	0.05	4 121.5	10 694.3	19 466.3	32 179.7
(Fiscal)	17.0	0.04	237.2	624.4	1 145.6	1 904.5
Cyclonic Wind	97.5	0.02	2 199.7	2 892.8	3 371.7	3 876.1
(Fiscal)	4.7	0.01	103.9	141.8	170.6	187.2
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	2 817.8	0.45				
(Fiscal)	---	---				
National	3 209.4	0.51				
Fiscal	21.7	0.06				

AAL Distribution by Hazard



Disaster Risk Development Implications



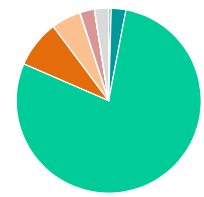
DRDI **45.09**

Ranking		
World	108	168
Region	2	2
Economy	16	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 618.1	0.02	0.01
	Middle low	45 984.1	1.7	0.04
	Middle high	196 724.4	10.0	0.05
	High	4 775 510.0	306.6	0.06
Services	Commercial	562 585.2	32.3	0.06
	Industrial	363 451.8	20.1	0.06
Education	Private	12 608.1	0.3	0.02
	Public	196 099.9	9.9	0.05
Health	Private	1 538.2	0.01	0.004
	Public	3 563.2	0.04	0.01
Government	Assets	190 819.6	9.6	0.05
National		6 351 502.7	390.4	0.06
Fiscal		393 100.9	19.6	0.05

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

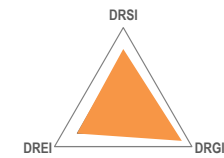
AAL/SE 7319.91 **DRSI** **43.8**

Disaster Risk Growth & Financial Implications

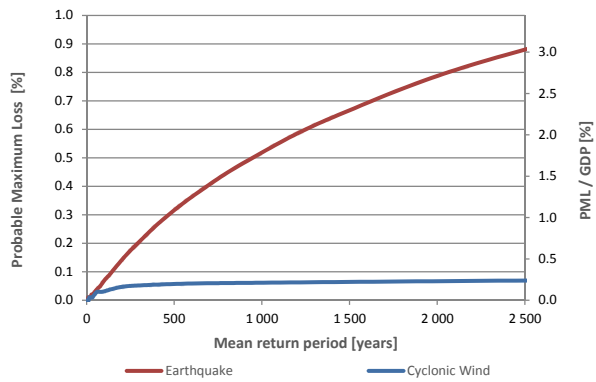
AAL/TR 0.04
AAL/GFCF 0.01 **DRGI** **51.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **40.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.001	0.0003			0.01
(Fiscal)	0.00005	0.00001			
AAL/GNE	0.0002	0.0001			0.002
(Fiscal)	0.00001	0.000003			
AAL/TR	0.004	0.001			0.04
(Fiscal)	0.0002	0.0001			
AAL/GFCF	0.001	0.0002			0.01
(Fiscal)	0.00004	0.00001			
AAL/SE	670.80	222.31			6426.81
(Fiscal)	38.77	10.74			
PML250/GNE	0.002	0.001			
(Fiscal)	0.0001	0.0001			
PML250/GDP	0.002	0.001			
(Fiscal)	0.0001	0.0001			

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CAPRA Team

Cape Verde

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

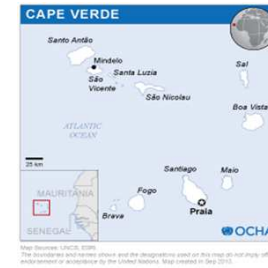
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	498 897
- Urban	[%]	64.1
- Rural	[%]	35.9
Land area	[km²]	4 030.0
Pop.Density	[km²/Hab]	123.8
GINI	[value]	43.80
HDI	[value]	0.64
Exposed Value	[million US$]	7 138
- Fiscal	[million US$]	1 639

Economic Indicators

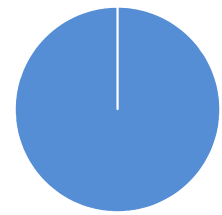
GDP Gross Domestic Product	[million US$]	1 879.4
GDP per capita	[US$]	3 767.1
GNE Gross National Expenditure	[million US$]	2 063.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	521.3
GFCF Gross Fixed Capital Formation	[million US$]	631.1
TR Total Reserves	[million US$]	475.3
Public spending on education	[% GDP]	5.0
Health Expenditure	[% GDP]	3.9



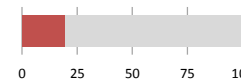
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	0.2	0.02	7.2	10.2	12.4	13.0
(Fiscal)	0.0	0.02	1.6	2.3	2.8	2.9
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	0.2	0.02				
Fiscal	0.0	0.02				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **19.32**

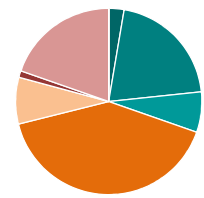
Ranking

SIDS Country **42** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	293.3	0.0	0.02
	Middle low	1 406.1	0.0	0.02
	Middle high	610.3	0.0	0.02
	High			
Services	Commercial	2 600.2	0.1	0.03
	Industrial	689.4	0.0	0.02
Education	Private	190.3	0.0	0.01
	Public	1 337.3	0.0	0.02
Health	Private	2.7	0.0	0.00
	Public	8.2	0.0	0.00
Government	Assets			
	National	7 137.9	0.2	0.02
	Fiscal	1 638.8	0.0	0.02

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

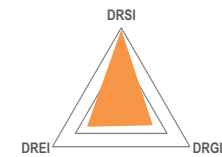
AAL/SE **DRSI** **29.3**

Disaster Risk Growth & Financial Implications

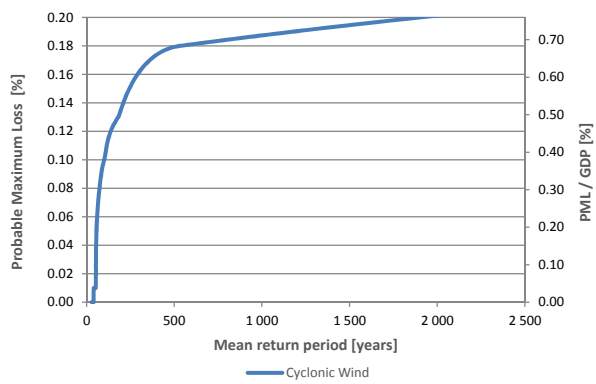
AAL/TR 0.00
AAL/GFCF 0.00
DRGI **13.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00
DREI **14.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS		0.00		
(Fiscal)		0.00		
AAL/GNE		0.00		
(Fiscal)		0.00		
AAL/TR		0.00		
(Fiscal)		0.00		
AAL/GFCF		0.00		
(Fiscal)		0.00		
AAL/SE				
(Fiscal)				
PML250/GNE		0.00		
(Fiscal)		0.00		
PML250/GDP		0.00		
(Fiscal)		0.00		

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CAPRA Team

Cayman Islands

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

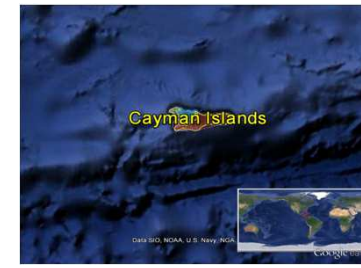
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	58 435
- Urban	[%]	100.0
- Rural	[%]	0.0
Land area	[km²]	240.0
Pop.Density	[km²/Hab]	243.5
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	8 554
- Fiscal	[million US$]	193

Economic Indicators

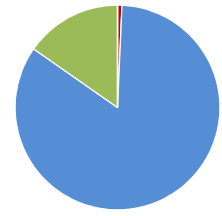
GDP Gross Domestic Product	[million US$]	1 012.4
GDP per capita	[US$]	30 190.7
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	



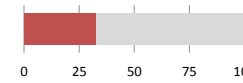
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.3	0.38	49.3	174.0	350.2	582.1
(Fiscal)	0.1	0.36	1.0	3.8	7.9	13.5
Cyclonic Wind	388.3	45.39	6 310.1	6 310.1	6 310.1	6 310.1
(Fiscal)	7.0	36.51	139.7	139.7	139.7	139.7
Storm Surge	70.7	8.27	1 368.2	1 818.1	2 054.5	2 187.0
(Fiscal)	1.6	8.35	31.2	41.7	46.9	50.5
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	462.2	54.04				
Fiscal	8.7	45.22				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **32.85**

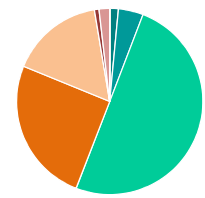
Ranking

SIDS Country **35** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	15.5	0.3	18.77
	Middle low	136.5	5.6	41.14
	Middle high	378.3	16.9	44.59
	High	4 237.9	196.0	46.25
Services	Commercial	2 147.8	99.0	46.10
	Industrial	1 376.8	63.3	45.98
Education	Private	82.7	3.1	37.76
	Public	171.6	7.3	42.39
Health	Private	1.3	0.0	0.00
	Public	5.7	0.0	0.00
Government	Assets			
	National	8 554.0	391.5	45.77
	Fiscal	192.8	7.6	39.23

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

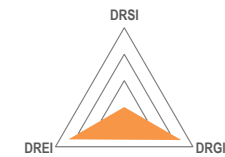
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

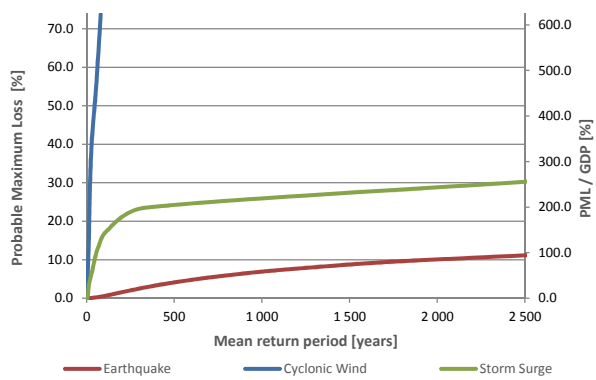
AAL/TR
AAL/GFCF **DRGI** **49.8**

Disaster Risk Economic Implications

AAL/PC 0.05
AAL/GS **DREI** **48.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP	0.05	6.23	1.35	
(Fiscal)	0.00	0.14	0.03	

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CAPRA Team

Central African Republic

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	4 616 417
- Urban	[%]	39.5
- Rural	[%]	60.5
Land area	[km^2]	622 980.0
Pop.Density	[km^2/Hab]	7.4
GINI	[value]	56.30
HDI	[value]	0.34
Exposed Value	[million US$]	3 901
- Fiscal	[million US$]	1 502

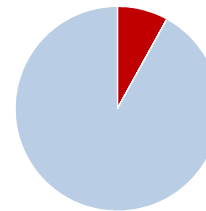
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 538.2
GDP per capita	[US$]	333.2
GNE Gross National Expenditure	[million US$]	2 389.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	128.5
GFCF Gross Fixed Capital Formation	[million US$]	320.2
TR Total Reserves	[million US$]	157.9
Public spending on education	[% GDP]	1.2
Health Expenditure	[% GDP]	3.8

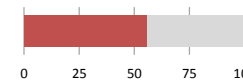
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.4	0.11	5.9	15.4	31.4	59.7
(Fiscal)	0.2	0.11	2.3	6.0	12.3	23.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	4.9	1.26				
(Fiscal)	2.2	1.43				
National	5.4	1.37				
Fiscal	2.3	1.54				

AAL Distribution by Hazard



Disaster Risk Development Implications



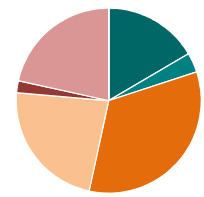
DRDI **55.89**

Ranking		
World	37	168
Region	9	57
Economy	16	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	664.2	0.0	0.04
	Middle low	161.8	0.0	0.04
	Middle high			
	High			
Services	Commercial	1 240.6	0.1	0.05
	Industrial	888.0	0.0	0.04
Education	Private	106.2	0.0	0.03
	Public	836.6	0.0	0.04
Health	Private	2.6	0.0	0.00
	Public	1.4	0.0	0.00
Government	Assets			
	National	3 901.3	0.2	0.04
	Fiscal	1 502.1	0.1	0.04

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

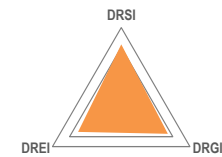
AAL/SE **DRSI** **63.1**

Disaster Risk Growth & Financial Implications

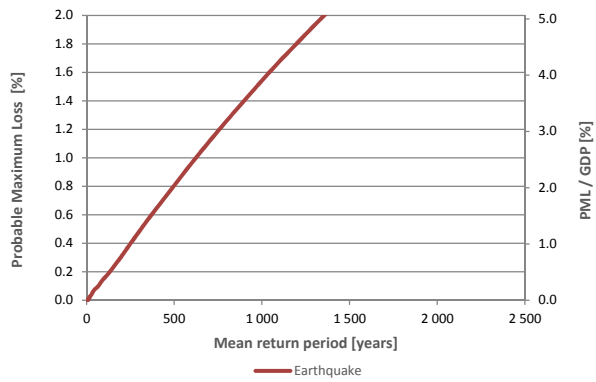
AAL/TR 0.03
AAL/GFCF 0.02
DRGI **54.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.04
DREI **50.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.003				0.04
(Fiscal)	0.001				0.02
AAL/GNE	0.0002				0.002
(Fiscal)	0.0001				0.001
AAL/TR	0.003				0.03
(Fiscal)	0.001				0.01
AAL/GFCF	0.001				0.02
(Fiscal)	0.001				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.002				
(Fiscal)	0.001				
PML250/GDP	0.004				
(Fiscal)	0.002				

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Chad

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	12 825 314
- Urban	[%]	22.2
- Rural	[%]	77.8
Land area	[km²]	1 259 200.0
Pop.Density	[km²/Hab]	10.2
GINI	[value]	43.30
HDI	[value]	0.37
Exposed Value	[million US$]	26 818
- Fiscal	[million US$]	16 160

Economic Indicators

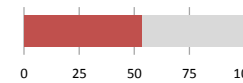
GDP Gross Domestic Product	[million US$]	13 513.6
GDP per capita	[US$]	1 053.7
GNE Gross National Expenditure	[million US$]	14 228.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	157.9
GFCF Gross Fixed Capital Formation	[million US$]	3 701.4
TR Total Reserves	[million US$]	1 155.7
Public spending on education	[% GDP]	2.3
Health Expenditure	[% GDP]	2.8

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	38.8	1.45				
(Fiscal)	28.4	1.76				
National	38.8	1.45				
Fiscal	28.4	1.76				

AAL Distribution by Hazard

Disaster Risk Development Implications



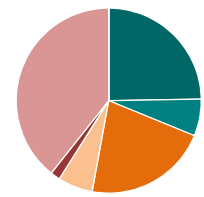
DRDI **53.69**

Ranking		
World	50	168
Region	13	57
Economy	21	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	6 590.0	0.0	0.00
	Middle low	2 212.8	0.0	0.00
	Middle high			
	High			
Services	Commercial	5 547.2	0.0	0.00
	Industrial	1 884.5	0.0	0.00
Education	Private	1 002.7	0.0	0.00
	Public	9 560.1	0.0	0.00
Health	Private	11.0	0.0	0.00
	Public	10.0	0.0	0.00
Government	Assets			
	National	26 818.3	0.0	0.00
	Fiscal	16 160.2	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

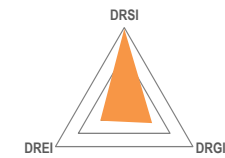
AAL/SE **DRSI** **59.8**

Disaster Risk Growth & Financial Implications

AAL/TR 0.03
AAL/GFCF 0.01
DRGI **51.1**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.25
DREI **50.2**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.25
(Fiscal)					0.18
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.03
(Fiscal)					0.02
AAL/GFCF					0.01
(Fiscal)					0.01
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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CAPRA Team

Chile

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	17 619 708
- Urban	[%]	89.2
- Rural	[%]	10.8
Land area	[km²]	743 532.0
Pop.Density	[km²/Hab]	23.7
GINI	[value]	50.80
HDI	[value]	0.82
Exposed Value	[million US$]	786 323
- Fiscal	[million US$]	45 113

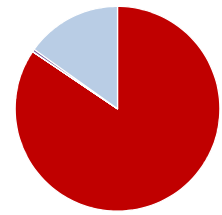
Economic Indicators

GDP Gross Domestic Product	[million US$]	277 198.8
GDP per capita	[US$]	15 732.3
GNE Gross National Expenditure	[million US$]	278 153.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	57 653.3
GFCF Gross Fixed Capital Formation	[million US$]	65 444.1
TR Total Reserves	[million US$]	41 093.3
Public spending on education	[% GDP]	4.5
Health Expenditure	[% GDP]	7.2

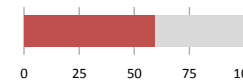
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2 396.6	3.06	16 700.2	32 279.8	49 763.9	70 278.4
(Fiscal)	118.8	2.63	834.6	1 568.0	2 398.2	3 338.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	11.8	0.02	65.1	205.0	662.9	2 252.9
(Fiscal)	0.9	0.02	9.0	20.3	60.1	171.1
Flood	429.8	0.55				
(Fiscal)	25.0	0.55				
National	2 838.2	3.62				
Fiscal	144.6	3.21				

AAL Distribution by Hazard



Disaster Risk Development Implications



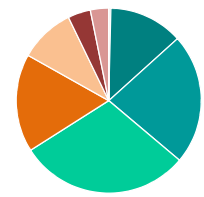
DRDI **59.53**

Ranking		
World	27	168
Region	8	46
Economy	3	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 397.5	8.8	1.99
	Middle low	86 433.3	310.6	3.59
	Middle high	144 131.6	546.6	3.79
	High	183 488.5	715.8	3.90
Services	Commercial	173 615.5	410.6	2.37
	Industrial	104 646.9	232.6	2.22
Education	Private	48 428.6	94.8	1.96
	Public	40 361.2	76.6	1.90
Health	Private	465.8	0.1	0.25
	Public	354.0	0.1	0.20
Government	Assets			
National		786 322.8	2 396.6	3.05
Fiscal		45 112.6	85.5	1.89

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

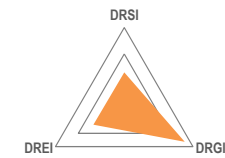
AAL/SE **DRSI** **58.6**

Disaster Risk Growth & Financial Implications

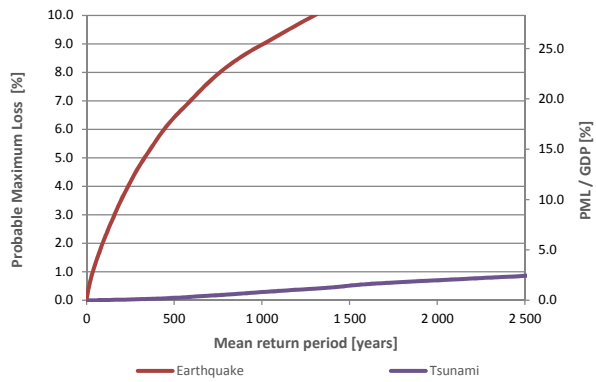
AAL/TR 0.07
AAL/GFCF 0.04
DRGI **61.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.05
DREI **58.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.04			0.00	0.01
(Fiscal)	0.00			0.00	0.00
AAL/GNE	0.01			0.00	0.00
(Fiscal)	0.00			0.00	0.00
AAL/TR	0.06			0.00	0.01
(Fiscal)	0.00			0.00	0.00
AAL/GFCF	0.04			0.00	0.01
(Fiscal)	0.00			0.00	0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.06			0.00	
(Fiscal)	0.00			0.00	
PML250/GDP	0.06			0.00	
(Fiscal)	0.00			0.00	

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China

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 357 379 968
- Urban	[%]	53.2
- Rural	[%]	46.8
Land area	[km²]	9 388 211.0
Pop.Density	[km²/Hab]	144.6
GINI	[value]	37.00
HDI	[value]	0.72
Exposed Value	[million US$]	32 232 330
- Fiscal	[million US$]	4 422 300

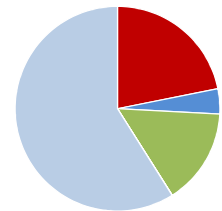
Economic Indicators

GDP Gross Domestic Product	[million US$]	9 240 270.9
GDP per capita	[US$]	6 807.4
GNE Gross National Expenditure	[million US$]	9 003 382.9
SE Social Expenditure	[million US$]	0.8
GS Gross Savings	[million US$]	4 219 850.2
GFCF Gross Fixed Capital Formation	[million US$]	4 370 836.0
TR Total Reserves	[million US$]	3 880 368.2
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	5.4

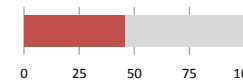
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	6 954.8	0.22	8 625.8	14 037.2	19 711.2	26 800.0
(Fiscal)	1 036.8	0.23	5 122.6	8 334.7	11 436.1	15 175.1
Cyclonic Wind	1 271.1	0.04	13 469.8	19 357.3	23 731.2	25 994.3
(Fiscal)	184.0	0.04	1 913.2	2 743.3	3 401.7	3 676.6
Storm Surge	4 834.0	0.15	11 492.4	13 599.7	13 750.3	14 051.4
(Fiscal)	688.8	0.16	1 626.1	1 926.6	1 948.6	1 992.7
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	18 765.8	0.59				
(Fiscal)	2 868.1	0.65				
National	31 825.6	1.00				
Fiscal	4 777.7	1.08				

AAL Distribution by Hazard



Disaster Risk Development Implications



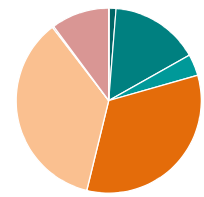
DRDI **45.86**

Ranking		
World	104	168
Region	35	48
Economy	31	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	767 640.2	104.5	0.14
	Middle low	5 171 821.0	1 279.4	0.25
	Middle high	1 702 906.0	307.9	0.18
	High			
Services	Commercial	10 004 330.0	2 733.3	0.27
	Industrial	10 689 630.0	2 941.1	0.28
Education	Private	219 655.5	21.1	0.10
	Public	3 636 778.0	833.7	0.23
Health	Private	21 686.9	0.6	0.03
	Public	17 882.3	0.4	0.02
Government	Assets			
	National	32 232 329.9	8 221.9	0.26
	Fiscal	4 422 300.5	938.6	0.21

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE 39435.93 **DRSI** **55.0**

Disaster Risk Growth & Financial Implications

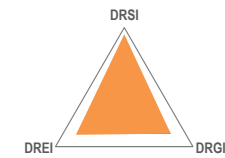
AAL/TR 0.01

AAL/GFCF 0.01 **DRGI** **40.5**

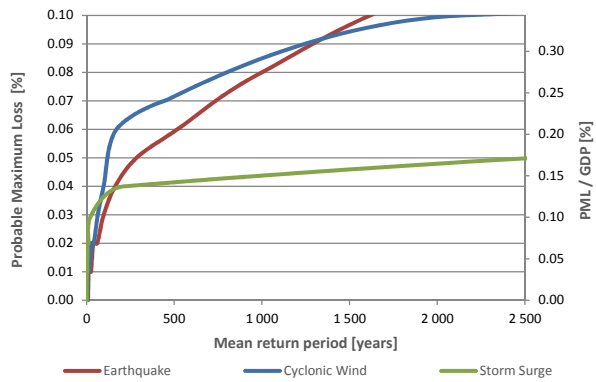
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS 0.01 **DREI** **42.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.002	0.0003	0.001		0.004
(Fiscal)	0.0002	0.00004	0.0002		0.001
AAL/GNE	0.001	0.0001	0.001		0.002
(Fiscal)	0.0001	0.00002	0.0001		0.000
AAL/TR	0.002	0.0003	0.001		0.005
(Fiscal)	0.0003	0.00005	0.0002		0.001
AAL/GFCF	0.002	0.0003	0.001		0.004
(Fiscal)	0.0002	0.00004	0.0002		0.001
AAL/SE	8617.84	1574.99	5989.94		23253.16
(Fiscal)	1284.76	228.01	853.46		3553.98
PML250/GNE	0.001	0.001	0.001		
(Fiscal)	0.001	0.0002	0.0002		
PML250/GDP	0.001	0.001	0.001		
(Fiscal)	0.001	0.0002	0.0002		

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Colombia

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	48 321 404
- Urban	[%]	75.9
- Rural	[%]	24.1
Land area	[km²]	1 109 500.0
Pop.Density	[km²/Hab]	43.6
GINI	[value]	53.50
HDI	[value]	0.71
Exposed Value	[million US$]	948 068
- Fiscal	[million US$]	156 779

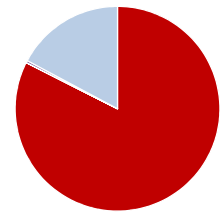
Economic Indicators

GDP Gross Domestic Product	[million US$]	378 415.3
GDP per capita	[US$]	7 831.2
GNE Gross National Expenditure	[million US$]	387 419.0
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	71 967.4
GFCF Gross Fixed Capital Formation	[million US$]	92 724.4
TR Total Reserves	[million US$]	43 158.8
Public spending on education	[% GDP]	4.4
Health Expenditure	[% GDP]	6.8

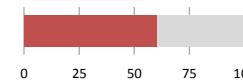
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3 140.0	3.32	34 146.7	58 651.5	80 611.0	110 736.2
(Fiscal)	527.2	3.36	5 343.9	9 022.0	12 474.4	16 776.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	13.2	0.01	63.8	382.8	1 049.4	3 406.4
(Fiscal)	3.2	0.02	37.1	121.2	252.9	953.9
Flood	654.8	0.69				
(Fiscal)	134.7	0.86				
National	3 808.0	4.03				
Fiscal	665.0	4.24				

AAL Distribution by Hazard



Disaster Risk Development Implications



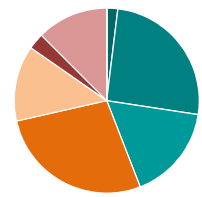
DRDI **60.32**

Ranking		
World	23	168
Region	6	46
Economy	1	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	19 729.6	60.4	3.06
	Middle low	197 428.5	801.0	4.06
	Middle high	133 911.3	524.1	3.91
	High			
Services	Commercial	277 261.6	858.8	3.10
	Industrial	144 578.0	415.6	2.87
Education	Private	38 026.4	88.6	2.33
	Public	136 591.0	392.1	2.87
Health	Private	83.8	0.0	0.19
	Public	458.0	0.4	0.98
Government	Assets			
	National	948 068.2	3 141.0	3.31
	Fiscal	156 778.5	452.9	2.89

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

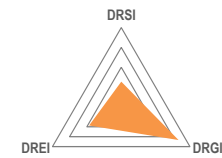
AAL/SE 67704.71 **DRSI** **58.5**

Disaster Risk Growth & Financial Implications

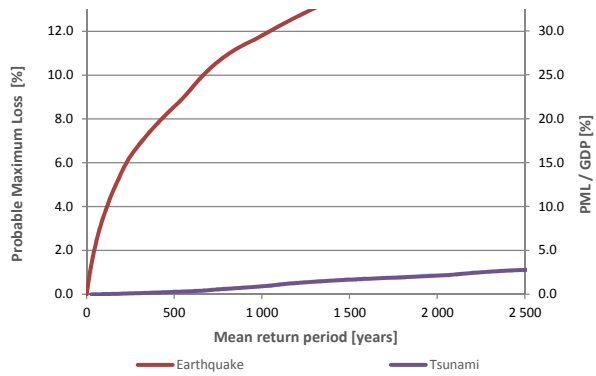
AAL/TR 0.09
AAL/GFCF 0.04 **DRGI** **62.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.05 **DREI** **59.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.04			0.00	0.01
(Fiscal)	0.01			0.00	0.00
AAL/GNE	0.01			0.00	0.00
(Fiscal)	0.00			0.00	0.00
AAL/TR	0.07			0.00	0.02
(Fiscal)	0.01			0.00	0.00
AAL/GFCF	0.03			0.00	0.01
(Fiscal)	0.01			0.00	0.00
AAL/SE	55827.89			234.69	11642.14
(Fiscal)	9372.42			56.89	2394.00
PML250/GNE	0.09			0.00	
(Fiscal)	0.01			0.00	
PML250/GDP	0.09			0.00	
(Fiscal)	0.01			0.00	

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Comoros

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

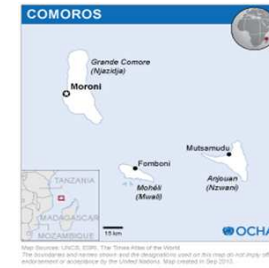
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	734 917
- Urban	[%]	28.1
- Rural	[%]	71.9
Land area	[km²]	1 861.0
Pop.Density	[km²/Hab]	394.9
GINI	[value]	64.30
HDI	[value]	0.49
Exposed Value	[million US$]	1 426
- Fiscal	[million US$]	719

Economic Indicators

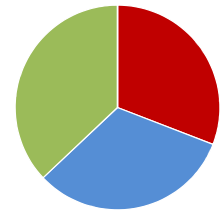
GDP Gross Domestic Product	[million US$]	598.9
GDP per capita	[US$]	815.0
GNE Gross National Expenditure	[million US$]	870.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	26.2
GFCF Gross Fixed Capital Formation	[million US$]	106.3
TR Total Reserves	[million US$]	174.1
Public spending on education	[% GDP]	7.6
Health Expenditure	[% GDP]	4.5



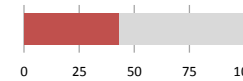
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.3	0.18	1.9	7.8	20.2	44.9
(Fiscal)	0.1	0.18	1.0	4.1	10.6	23.7
Cyclonic Wind	0.3	0.18	8.4	11.0	13.0	14.2
(Fiscal)	0.1	0.19	4.4	5.8	7.0	7.5
Storm Surge	0.3	0.21	7.6	8.8	8.8	9.0
(Fiscal)	0.2	0.29	4.3	4.5	4.5	4.7
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	0.8	0.57				
Fiscal	0.5	0.67				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **43.12**

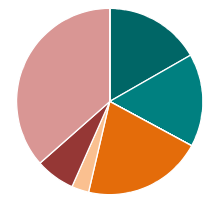
Ranking

SIDS Country	31	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	242.6	0.1	0.33
	Middle low	235.0	0.1	0.33
	Middle high			
	High			
Services	Commercial	289.9	0.1	0.35
	Industrial	64.8	0.0	0.22
Education	Private	116.7	0.0	0.28
	Public	475.0	0.2	0.37
Health	Private	1.0	0.0	0.00
	Public	1.2	0.0	0.00
Government	Assets			
National		1 426.1	0.5	0.34
Fiscal		718.8	0.3	0.36

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

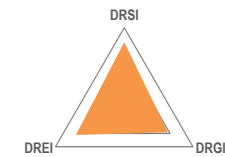
AAL/SE **DRSI** **49.0**

Disaster Risk Growth & Financial Implications

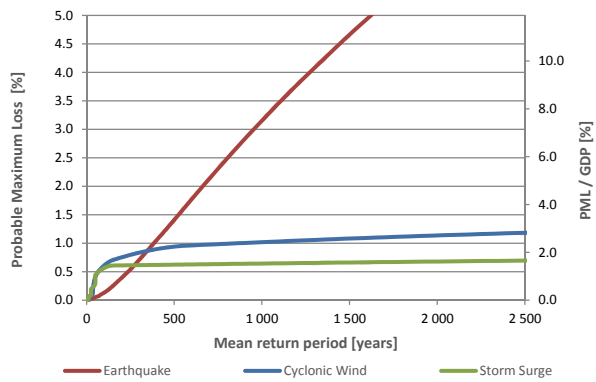
AAL/TR 0.00
AAL/GFCF 0.01
DRGI **38.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03
DREI **42.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.01	0.01	0.01	
(Fiscal)	0.00	0.01	0.01	
AAL/GNE	0.00	0.00	0.00	
(Fiscal)	0.00	0.00	0.00	
AAL/TR	0.00	0.00	0.00	
(Fiscal)	0.00	0.00	0.00	
AAL/GFCF	0.00	0.00	0.00	
(Fiscal)	0.00	0.00	0.00	
AAL/SE				
(Fiscal)				
PML250/GNE	0.00	0.01	0.01	
(Fiscal)	0.00	0.01	0.00	
PML250/GDP	0.00	0.01	0.01	
(Fiscal)	0.00	0.01	0.01	

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CAPRA Team

Congo

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	4 447 632
- Urban	[%]	64.5
- Rural	[%]	35.5
Land area	[km²]	341 500.0
Pop.Density	[km²/Hab]	13.0
GINI	[value]	40.10
HDI	[value]	0.34
Exposed Value	[million US$]	69 128
- Fiscal	[million US$]	18 486

Economic Indicators

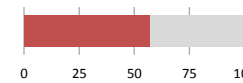
GDP Gross Domestic Product	[million US$]	14 085.9
GDP per capita	[US$]	3 167.0
GNE Gross National Expenditure	[million US$]	12 612.4
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 271.9
GFCF Gross Fixed Capital Formation	[million US$]	4 329.1
TR Total Reserves	[million US$]	5 549.6
Public spending on education	[% GDP]	6.2
Health Expenditure	[% GDP]	3.2

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1.0	0.01	18.1	38.5	65.7	108.7
(Fiscal)	0.3	0.02	5.6	12.0	20.7	34.7
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	126.5	1.83				
(Fiscal)	39.5	2.14				
National	127.5	1.85				
Fiscal	39.8	2.15				

AAL Distribution by Hazard

Disaster Risk Development Implications



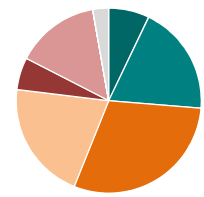
DRDI **57.22**

Ranking		
World	33	168
Region	8	57
Economy	12	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	5 602.3	0.1	0.01
	Middle low	12 893.3	0.1	0.01
	Middle high			
	High			
Services	Commercial	19 078.3	0.2	0.01
	Industrial	14 006.6	0.2	0.01
Education	Private	4 621.7	0.0	0.01
	Public	10 243.3	0.1	0.01
Health	Private	43.1	0.0	0.00
	Public	63.1	0.0	0.00
Government	Assets	2 576.9	0.0	0.01
	National	69 128.5	0.8	0.01
	Fiscal	18 485.5	0.2	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

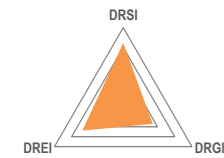
AAL/SE **DRSI** **61.1**

Disaster Risk Growth & Financial Implications

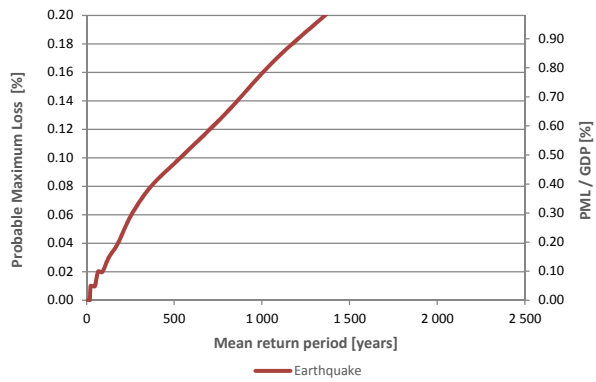
AAL/TR 0.02
AAL/GFCF 0.03
DRGI **53.6**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.10
DREI **56.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.001				0.10
(Fiscal)	0.0002				0.03
AAL/GNE	0.0001				0.01
(Fiscal)	0.00002				0.003
AAL/TR	0.0002				0.02
(Fiscal)	0.0001				0.01
AAL/GFCF	0.0002				0.03
(Fiscal)	0.0001				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.001				
(Fiscal)	0.0004				
PML250/GDP	0.001				
(Fiscal)	0.0004				

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Costa Rica

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	4 872 166
- Urban	[%]	75.0
- Rural	[%]	25.0
Land area	[km²]	51 060.0
Pop.Density	[km²/Hab]	95.4
GINI	[value]	48.60
HDI	[value]	0.76
Exposed Value	[million US$]	140 447
- Fiscal	[million US$]	25 270

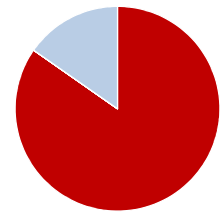
Economic Indicators

GDP Gross Domestic Product	[million US$]	49 621.1
GDP per capita	[US$]	10 184.6
GNE Gross National Expenditure	[million US$]	51 412.2
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	7 380.5
GFCF Gross Fixed Capital Formation	[million US$]	10 406.5
TR Total Reserves	[million US$]	7 333.2
Public spending on education	[% GDP]	6.3
Health Expenditure	[% GDP]	10.1

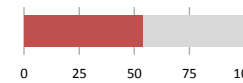
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	236.2	1.68	2 498.8	4 378.4	6 542.4	9 447.1
(Fiscal)	56.2	2.22	535.8	911.8	1 343.1	1 908.9
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	0.3	0.01	1.4	13.3	37.1	68.6
Flood	42.7	0.30				
(Fiscal)	11.5	0.46				
National	278.9	1.99				
Fiscal	68.0	2.69				

AAL Distribution by Hazard



Disaster Risk Development Implications



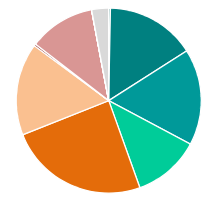
DRDI **54.01**

Ranking		
World	45	168
Region	11	46
Economy	7	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 448.1	0.7	0.48
	Middle low	21 398.8	37.1	1.73
	Middle high	22 760.9	39.9	1.75
	High	17 339.2	27.8	1.60
Services	Commercial	29 967.1	57.9	1.93
	Industrial	22 035.0	38.2	1.73
Education	Private	1 643.3	0.8	0.50
	Public	17 163.5	27.4	1.60
Health	Private	32.6	0.0	0.09
	Public	66.0	0.0	0.12
Government	Assets	6 592.6	7.0	1.07
	National	140 447.2	237.0	1.69
	Fiscal	25 270.3	35.1	1.39

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

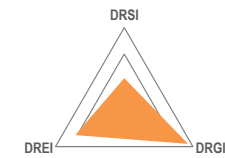
AAL/SE **DRSI** **52.2**

Disaster Risk Growth & Financial Implications

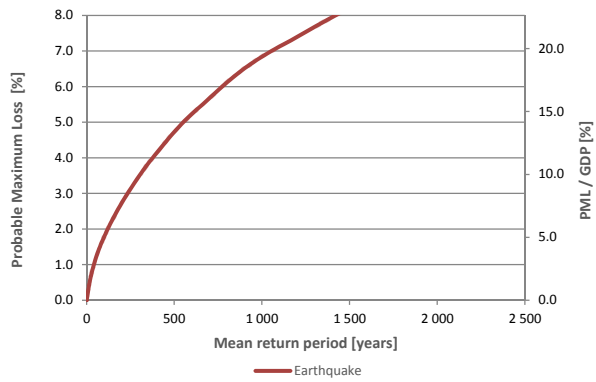
AAL/TR 0.04
AAL/GFCF 0.03
DRGI **55.6**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.04
DREI **54.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.03				0.01
(Fiscal)	0.01			0.00	0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00			0.00	0.00
AAL/TR	0.03				0.01
(Fiscal)	0.01			0.00	0.00
AAL/GFCF	0.02				0.00
(Fiscal)	0.01			0.00	0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.05				
(Fiscal)	0.01			0.00	
PML250/GDP	0.05				
(Fiscal)	0.01			0.00	

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Croatia

Europe

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Brief Country Risk Profile

UNISDR
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National Information

Population	[Hab]	4 252 700
- Urban	[%]	58.4
- Rural	[%]	41.6
Land area	[km²]	55 960.0
Pop.Density	[km²/Hab]	76.0
GINI	[value]	33.60
HDI	[value]	0.81
Exposed Value	[million US$]	188 226
- Fiscal	[million US$]	18 062

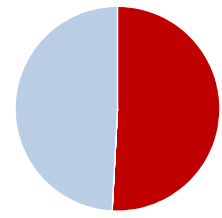
Economic Indicators

GDP Gross Domestic Product	[million US$]	57 868.7
GDP per capita	[US$]	13 607.5
GNE Gross National Expenditure	[million US$]	57 600.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	10 946.7
GFCF Gross Fixed Capital Formation	[million US$]	11 171.4
TR Total Reserves	[million US$]	17 766.8
Public spending on education	[% GDP]	4.3
Health Expenditure	[% GDP]	6.8

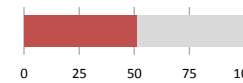
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	152.8	0.81	1 716.0	3 567.1	5 703.5	8 327.8
(Fiscal)	15.4	0.85	174.6	361.2	574.9	835.5
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	147.8	0.79				
(Fiscal)	15.9	0.88				
National	300.6	1.60				
Fiscal	31.3	1.73				

AAL Distribution by Hazard



Disaster Risk Development Implications



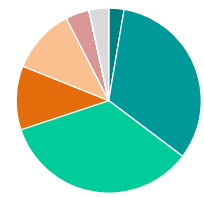
DRDI **51.11**

Ranking		
World	71	168
Region	13	51
Economy	15	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	363.3	0.1	0.17
	Middle low	6 433.7	4.0	0.62
	Middle high	58 381.2	49.8	0.85
	High	61 566.2	52.9	0.86
Services	Commercial	21 696.1	17.0	0.79
	Industrial	21 880.2	17.4	0.79
Education	Private	143.7	0.0	0.08
	Public	9 337.8	6.3	0.68
Health	Private	63.1	0.0	0.02
	Public	423.5	0.1	0.19
Government	Assets	7 937.6	5.2	0.65
	National	188 226.4	152.8	0.81
	Fiscal	18 062.3	11.6	0.64

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

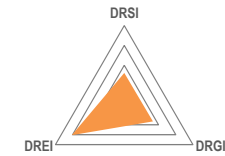
AAL/SE **DRSI** **50.6**

Disaster Risk Growth & Financial Implications

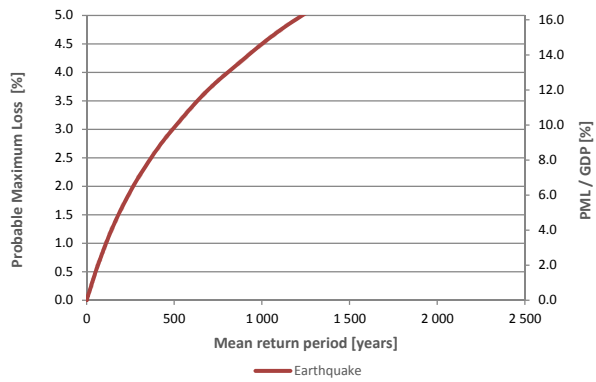
AAL/TR 0.02
AAL/GFCF 0.03 **DRGI** **50.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03 **DREI** **52.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.03				
(Fiscal)	0.00				
PML250/GDP	0.03				
(Fiscal)	0.00				

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Cuba

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	11 265 629
- Urban	[%]	76.9
- Rural	[%]	23.1
Land area	[km^2]	106 440.0
Pop.Density	[km^2/Hab]	105.8
GINI	[value]	
HDI	[value]	0.81
Exposed Value	[million US$]	174 994
- Fiscal	[million US$]	22 638

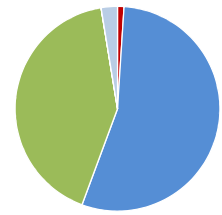
Economic Indicators

GDP Gross Domestic Product	[million US$]	68 233.9
GDP per capita	[US$]	6 051.2
GNE Gross National Expenditure	[million US$]	67 674.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	8 294.5
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	12.8
Health Expenditure	[% GDP]	8.6

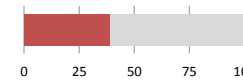
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.4	0.02	50.4	136.5	263.9	473.9
(Fiscal)	0.5	0.02	7.4	19.4	36.9	65.6
Cyclonic Wind	182.4	1.04	2 345.9	3 000.2	3 266.8	3 800.0
(Fiscal)	27.1	1.20	340.9	423.2	490.4	539.7
Storm Surge	139.5	0.80	1 954.5	2 348.1	2 776.2	2 972.3
(Fiscal)	18.1	0.80	251.8	304.5	362.0	386.6
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	8.6	0.05				
(Fiscal)	1.4	0.06				
National	333.9	1.91				
Fiscal	47.2	2.08				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **38.86**

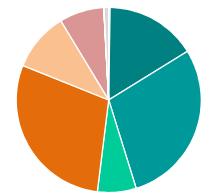
Ranking

SIDS country	33	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 448.1	0.4	0.29
	Middle low	27 750.7	29.6	1.07
	Middle high	44 392.8	53.9	1.21
	High	15 359.7	12.5	0.82
Services	Commercial	44 452.1	54.1	1.22
	Industrial	20 372.6	19.1	0.94
Education	Private			
	Public	16 861.1	14.5	0.86
Health	Private	27.7	0.0	0.06
	Public	496.9	0.1	0.22
Government	Assets	3 832.0	1.5	0.39
National		174 993.6	185.7	1.06
Fiscal		22 638.0	16.5	0.73

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **48.0**

Disaster Risk Growth & Financial Implications

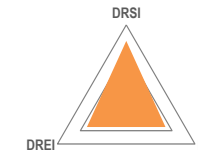
AAL/TR

AAL/GFCF 0.04 **DRGI** **34.3**

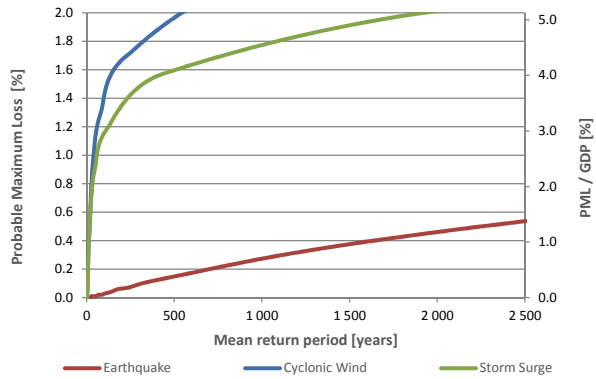
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS **DREI** **34.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE	0.0001	0.003	0.002		0.0001
(Fiscal)	0.00001	0.00040	0.00027		0.00002
AAL/TR					
(Fiscal)					
AAL/GFCF	0.0004	0.02	0.02		0.001
(Fiscal)	0.0001	0.00	0.002		0.0002
AAL/SE					
(Fiscal)					
PML250/GNE	0.0007	0.03	0.03		
(Fiscal)	0.0001	0.01	0.004		
PML250/GDP	0.0007	0.03	0.03		
(Fiscal)	0.0001	0.005	0.004		

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CAPRA Team

Cyprus

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 141 166
- Urban	[%]	67.1
- Rural	[%]	32.9
Land area	[km²]	9 240.0
Pop.Density	[km²/Hab]	123.5
GINI	[value]	
HDI	[value]	0.85
Exposed Value	[million US$]	71 618
- Fiscal	[million US$]	3 514

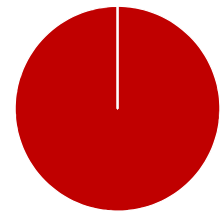
Economic Indicators

GDP Gross Domestic Product	[million US$]	21 911.4
GDP per capita	[US$]	25 249.0
GNE Gross National Expenditure	[million US$]	24 622.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 798.8
GFCF Gross Fixed Capital Formation	[million US$]	4 260.9
TR Total Reserves	[million US$]	916.3
Public spending on education	[% GDP]	7.3
Health Expenditure	[% GDP]	7.3

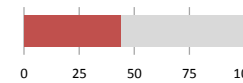
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	28.6	0.40	409.3	929.1	1 552.9	2 396.4
(Fiscal)	1.5	0.42	21.2	48.0	80.4	122.9
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	0.1	0.01	0.0	0.0	0.5	4.9
Flood	---	---				
(Fiscal)	---	---				
National	28.6	0.40				
Fiscal	1.5	0.43				

AAL Distribution by Hazard



Disaster Risk Development Implications



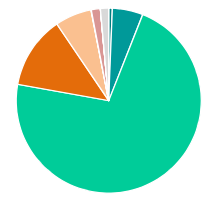
DRDI **44.21**

Ranking		
World	**119**	168
Region	**37**	51
Economy	**20**	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	55.0	0.0	0.03
	Middle low	975.4	0.2	0.18
	Middle high	4 771.4	1.5	0.32
	High	47 670.0	20.5	0.43
Services	Commercial	9 271.4	3.6	0.39
	Industrial	5 173.4	1.8	0.35
Education	Private	208.6	0.0	0.08
	Public	1 790.3	0.5	0.25
Health	Private	33.3	0.0	0.01
	Public	23.9	0.0	0.01
Government	Assets	1 644.9	0.4	0.25
	National	71 617.6	28.5	0.40
	Fiscal	3 514.0	0.9	0.25

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

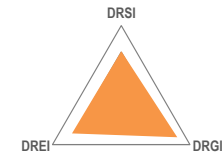
AAL/SE **DRSI** **40.6**

Disaster Risk Growth & Financial Implications

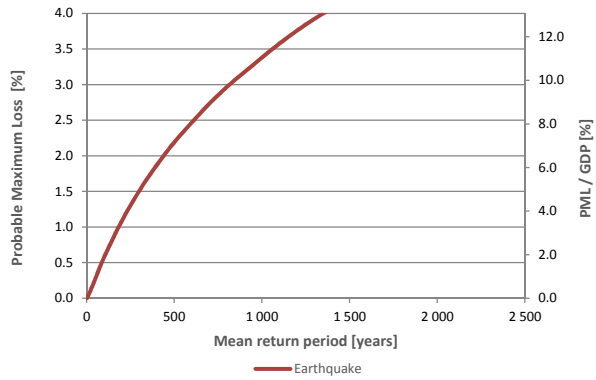
AAL/TR 0.03
AAL/GFCF 0.01
DRGI **49.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **43.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02				
(Fiscal)	0.00			0.00	
AAL/GNE	0.00				
(Fiscal)	0.00			0.00	
AAL/TR	0.03				
(Fiscal)	0.00			0.00	
AAL/GFCF	0.01				
(Fiscal)	0.00			0.00	
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.02				
(Fiscal)	0.00				

CIMNE
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INGENIAR Ltd

CAPRA Team

Czech Republic

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	10 521 468
- Urban	[%]	73.1
- Rural	[%]	26.9
Land area	[km²]	77 230.0
Pop.Density	[km²/Hab]	136.2
GINI	[value]	26.30
HDI	[value]	0.86
Exposed Value	[million US$]	1 007 819
- Fiscal	[million US$]	71 567

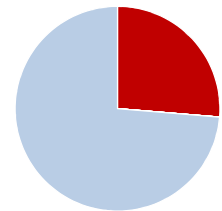
Economic Indicators

GDP Gross Domestic Product	[million US$]	208 796.0
GDP per capita	[US$]	19 844.8
GNE Gross National Expenditure	[million US$]	196 764.6
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	50 632.2
GFCF Gross Fixed Capital Formation	[million US$]	52 070.8
TR Total Reserves	[million US$]	56 217.7
Public spending on education	[% GDP]	4.5
Health Expenditure	[% GDP]	7.7

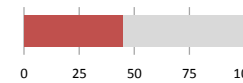
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	149.9	0.15	1 164.9	2 545.5	4 570.1	7 712.0
(Fiscal)	10.1	0.14	78.3	170.6	306.0	516.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	419.8	0.42				
(Fiscal)	27.3	0.38				
National	569.7	0.57				
Fiscal	37.4	0.52				

AAL Distribution by Hazard



Disaster Risk Development Implications



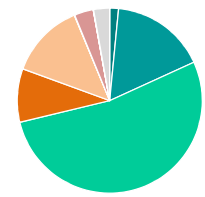
DRDI **44.76**

Ranking		
World	112	168
Region	21	51
Economy	17	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 066.1	0.0	0.03
	Middle low	19 189.1	2.3	0.12
	Middle high	166 532.8	24.9	0.15
	High	522 422.9	79.4	0.15
Services	Commercial	95 075.2	14.0	0.15
	Industrial	130 378.3	19.7	0.15
Education	Private	2 304.9	0.1	0.04
	Public	36 880.5	5.0	0.14
Health	Private	348.2	0.0	0.01
	Public	1 928.9	0.1	0.04
Government	Assets	31 692.0	4.2	0.13
	National	1 007 818.8	149.7	0.15
	Fiscal	71 567.4	9.3	0.13

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

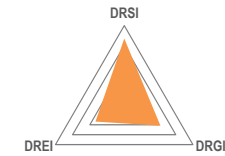
AAL/SE 11386.31 **DRSI** **46.7**

Disaster Risk Growth & Financial Implications

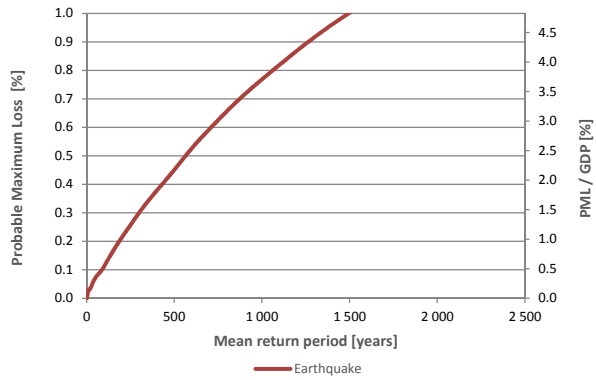
AAL/TR 0.01
AAL/GFCF 0.01 **DRGI** **44.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **43.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE	2995.87				8390.44
(Fiscal)	201.86				545.21
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

CIMNE
International Centre for Numerical Methods in Engineering

INGENIAR Ltd

CAPRA Team

Democratic Republic of the Congo

Africa

Brief Country Risk Profile

National Information

Population	[Hab]	67 513 680
- Urban	[%]	41.5
- Rural	[%]	58.5
Land area	[km^2]	2 267 050.0
Pop.Density	[km^2/Hab]	29.8
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	27 551
- Fiscal	[million US$]	11 460

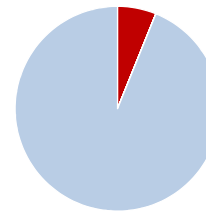
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

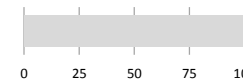
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	4.2	0.15	59.9	112.2	165.5	226.2
(Fiscal)	1.9	0.16	26.5	49.0	71.4	96.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	64.1	2.34				
(Fiscal)	28.8	2.51				
National	68.3	2.49				
Fiscal	30.7	2.68				

AAL Distribution by Hazard



Disaster Risk Development Implications



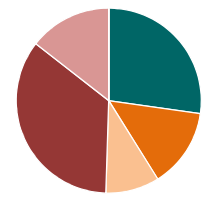
DRDI **0**

Ranking	
World	168
Region	57
Economy	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	7 090.3	0.7	0.10
	Middle low			
	Middle high			
	High			
Services	Commercial	4 197.4	0.3	0.08
	Industrial	3 161.0	0.2	0.07
Education	Private	8 717.5	0.9	0.10
	Public	4 358.8	0.4	0.08
Health	Private	15.0	0.0	0.00
	Public	11.2	0.0	0.00
Government	Assets			
National		27 551.3	2.5	0.09
Fiscal		11 460.4	1.0	0.09

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI**

Disaster Risk Growth & Financial Implications

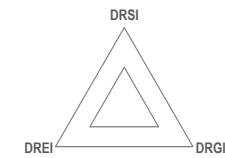
AAL/TR

AAL/GFCF **DRGI**

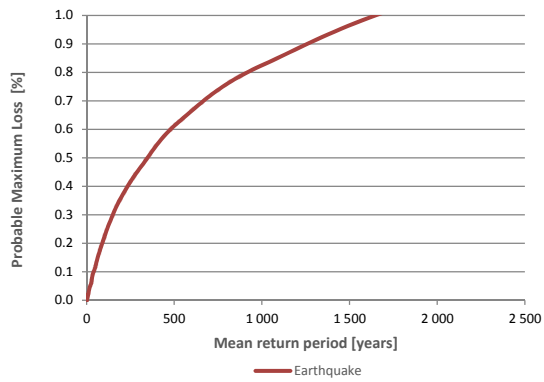
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS **DREI**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE					
(Fiscal)					
AAL/TR					
(Fiscal)					
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

Denmark

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	5 613 706
- Urban	[%]	87.3
- Rural	[%]	12.7
Land area	[km²]	42 430.0
Pop.Density	[km²/Hab]	132.3
GINI	[value]	26.80
HDI	[value]	0.90
Exposed Value	[million US$]	1 346 935
- Fiscal	[million US$]	110 480

Economic Indicators

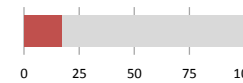
GDP Gross Domestic Product	[million US$]	335 877.5
GDP per capita	[US$]	59 831.7
GNE Gross National Expenditure	[million US$]	316 596.7
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	79 923.3
GFCF Gross Fixed Capital Formation	[million US$]	61 547.7
TR Total Reserves	[million US$]	88 676.6
Public spending on education	[% GDP]	8.7
Health Expenditure	[% GDP]	11.2

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	27.9	0.02				
(Fiscal)	2.0	0.02				
National	27.9	0.02				
Fiscal	2.0	0.02				

AAL Distribution by Hazard

Disaster Risk Development Implications



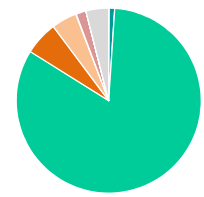
DRDI **17.28**

Ranking		
World	155	168
Region	38	51
Economy	40	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	335.0	0.0	0.00
	Middle low	5 806.1	0.0	0.00
	Middle high	24 641.8	0.0	0.00
	High	1 024 563.0	2.3	0.00
Services	Commercial	98 507.8	0.2	0.00
	Industrial	77 116.4	0.1	0.00
Education	Private	5 678.3	0.0	0.00
	Public	38 395.9	0.0	0.00
Health	Private	141.0	0.0	0.00
	Public	731.7	0.0	0.00
Government	Assets	71 017.6	0.1	0.00
	National	1 346 934.6	2.8	0.00
	Fiscal	110 480.3	0.2	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

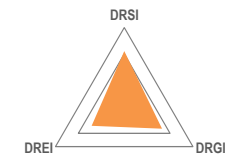
AAL/SE 216.23 **DRSI** **21.1**

Disaster Risk Growth & Financial Implications

AAL/TR 0.00
AAL/GFCF 0.00 **DRGI** **16.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **14.2**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.00
(Fiscal)					0.00
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.00
(Fiscal)					0.00
AAL/GFCF					0.00
(Fiscal)					0.00
AAL/SE					216.23
(Fiscal)					15.53
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

Djibouti

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

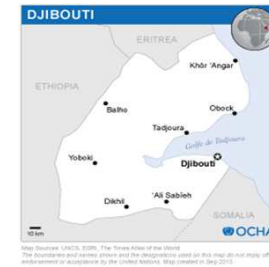
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	872 932
- Urban	[%]	77.2
- Rural	[%]	22.8
Land area	[km²]	23 180.0
Pop.Density	[km²/Hab]	37.7
GINI	[value]	39.90
HDI	[value]	0.47
Exposed Value	[million US$]	4 745
- Fiscal	[million US$]	1 232

Economic Indicators

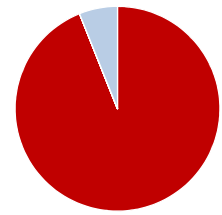
GDP Gross Domestic Product	[million US$]	1 456.3
GDP per capita	[US$]	1 668.3
GNE Gross National Expenditure	[million US$]	1 018.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	201.0
GFCF Gross Fixed Capital Formation	[million US$]	317.9
TR Total Reserves	[million US$]	425.0
Public spending on education	[% GDP]	8.4
Health Expenditure	[% GDP]	8.8



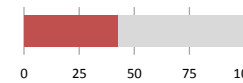
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.0	0.62	53.0	144.2	255.7	405.7
(Fiscal)	0.8	0.68	15.2	40.6	71.5	112.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	0.2	0.04				
(Fiscal)	0.1	0.07				
National	3.1	0.66				
Fiscal	0.9	0.75				

AAL Distribution by Hazard



Disaster Risk Development Implications



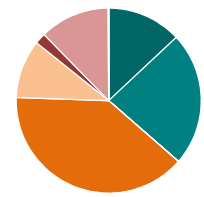
DRDI **42.54**

Ranking		
World	125	168
Region	38	57
Economy	35	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	629.2	0.4	0.61
	Middle low	1 110.9	0.7	0.62
	Middle high			
	High			
Services	Commercial	1 799.3	1.1	0.64
	Industrial	497.9	0.3	0.60
Education	Private	102.6	0.1	0.54
	Public	596.6	0.4	0.60
Health	Private	2.0	0.0	0.20
	Public	6.7	0.0	0.25
Government	Assets			
	National	4 745.1	2.9	0.62
	Fiscal	1 232.4	0.7	0.60

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

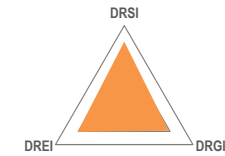
AAL/SE **DRSI** **48.0**

Disaster Risk Growth & Financial Implications

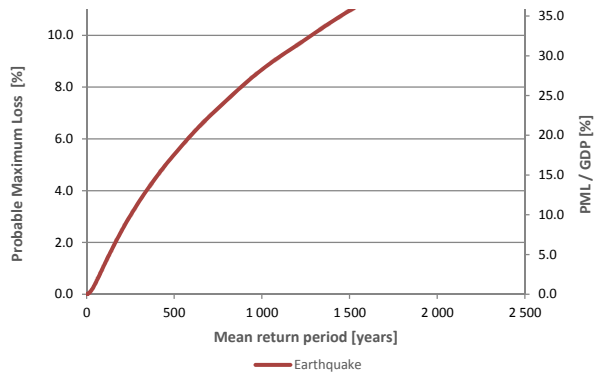
AAL/TR 0.01
AAL/GFCF 0.01
DRGI **38.9**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **40.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.05				
(Fiscal)	0.01				
PML250/GDP	0.04				
(Fiscal)	0.01				

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CAPRA Team

Dominica

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	72 003
- Urban	[%]	69.0
- Rural	[%]	31.0
Land area	[km²]	750.0
Pop.Density	[km²/Hab]	96.0
GINI	[value]	
HDI	[value]	0.72
Exposed Value	[million US$]	2 028
- Fiscal	[million US$]	251

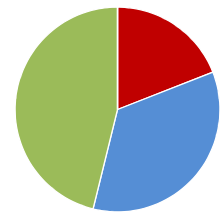
Economic Indicators

GDP Gross Domestic Product	[million US$]	516.7
GDP per capita	[US$]	7 175.6
GNE Gross National Expenditure	[million US$]	595.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	62.2
TR Total Reserves	[million US$]	87.1
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	5.8

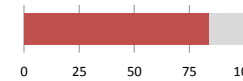
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	13.1	6.44	257.6	391.2	501.1	625.4
(Fiscal)	1.6	6.52	34.6	54.6	69.7	84.2
Cyclonic Wind	23.8	11.75	527.8	1 077.6	1 100.9	1 147.6
(Fiscal)	3.1	12.13	68.2	136.2	141.8	149.5
Storm Surge	31.6	15.60	509.0	734.4	759.5	809.8
(Fiscal)	3.9	15.59	63.5	92.0	95.0	100.8
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	68.5	33.79				
Fiscal	8.6	34.24				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **83.92**

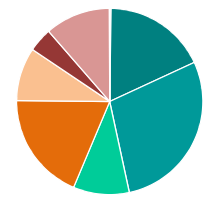
Ranking

SIDS Country	3	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	18.6	0.1	4.70
	Middle low	356.1	6.6	18.52
	Middle high	561.6	10.5	18.73
	High	197.7	3.6	18.13
Services	Commercial	376.0	6.9	18.46
	Industrial	189.7	3.4	18.02
Education	Private	93.4	1.5	16.54
	Public	229.4	4.2	18.27
Health	Private	2.1	0.0	0.00
	Public	3.4	0.0	2.91
Government	Assets			
National		2 027.9	36.9	18.19
Fiscal		251.5	4.3	17.06

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

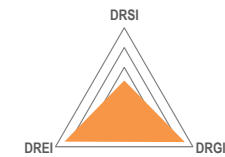
AAL/SE **DRSI** **76.7**

Disaster Risk Growth & Financial Implications

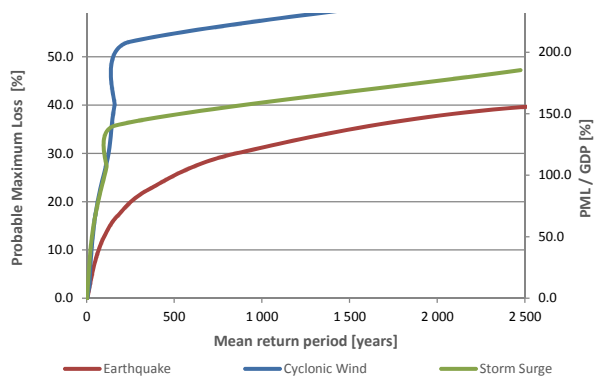
AAL/TR 0.79
AAL/GFCF 1.10
DRGI **87.7**

Disaster Risk Economic Implications

AAL/PC 0.03
AAL/GS
DREI **87.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE	0.02	0.04	0.05	
(Fiscal)	0.003	0.01	0.01	
AAL/TR	0.15	0.27	0.36	
(Fiscal)	0.02	0.04	0.05	
AAL/GFCF	0.21	0.38	0.51	
(Fiscal)	0.03	0.05	0.06	
AAL/SE				
(Fiscal)				
PML250/GNE	0.43	0.89	0.85	
(Fiscal)	0.06	0.11	0.11	
PML250/GDP	0.50	1.02	0.99	
(Fiscal)	0.07	0.13	0.12	

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CAPRA Team

Dominican Republic

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	10 403 761
- Urban	[%]	77.1
- Rural	[%]	22.9
Land area	[km²]	48 320.0
Pop.Density	[km²/Hab]	215.3
GINI	[value]	45.60
HDI	[value]	0.70
Exposed Value	[million US$]	202 208
- Fiscal	[million US$]	39 157

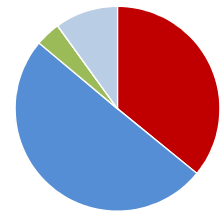
Economic Indicators

GDP Gross Domestic Product	[million US$]	61 163.7
GDP per capita	[US$]	5 879.0
GNE Gross National Expenditure	[million US$]	64 670.2
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	10 206.3
GFCF Gross Fixed Capital Formation	[million US$]	13 128.0
TR Total Reserves	[million US$]	4 700.6
Public spending on education	[% GDP]	2.2
Health Expenditure	[% GDP]	5.4

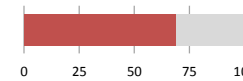
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	363.9	1.80	5 241.7	8 576.0	11 547.1	14 972.4
(Fiscal)	70.3	1.80	1 022.5	1 671.5	2 249.5	2 912.3
Cyclonic Wind	509.2	2.52	16 195.5	23 827.4	26 984.9	30 274.9
(Fiscal)	98.9	2.53	3 143.1	4 636.3	5 238.4	5 902.3
Storm Surge	40.2	0.20	681.4	710.3	758.6	855.2
(Fiscal)	7.4	0.19	129.1	132.3	137.7	148.5
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	100.8	0.50				
(Fiscal)	19.6	0.50				
National	1 014.1	5.02				
Fiscal	196.3	5.01				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **68.94**

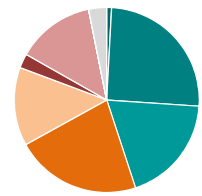
Ranking

SIDS country **14** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3 069.9	7.3	2.37
	Middle low	48 295.5	220.3	4.56
	Middle high	37 119.8	164.9	4.44
	High			
Services	Commercial	42 742.3	192.3	4.50
	Industrial	27 712.8	119.6	4.32
Education	Private	7 088.5	21.9	3.09
	Public	27 486.4	119.2	4.34
Health	Private	92.6	0.0	0.31
	Public	52.1	0.0	0.12
Government	Assets	8 548.5	27.4	3.21
	National	202 208.3	873.0	4.32
	Fiscal	39 156.8	153.9	3.93

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

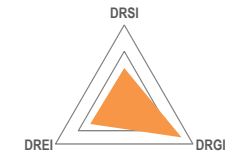
AAL/SE **DRSI** **66.9**

Disaster Risk Growth & Financial Implications

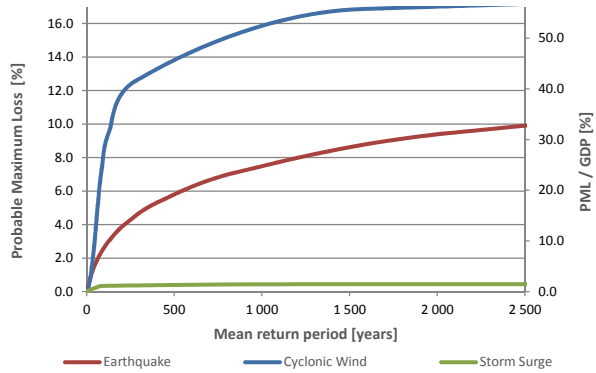
AAL/TR 0.22
AAL/GFCF 0.08
DRGI **72.5**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.10
DREI **67.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.04	0.05	0.00		0.01
(Fiscal)	0.01	0.01	0.00		0.00
AAL/GNE	0.01	0.01	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/TR	0.08	0.11	0.01		0.02
(Fiscal)	0.01	0.02	0.00		0.00
AAL/GFCF	0.03	0.04	0.00		0.01
(Fiscal)	0.01	0.01	0.00		0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.08	0.25	0.01		
(Fiscal)	0.02	0.05	0.00		
PML250/GDP	0.09	0.26	0.01		
(Fiscal)	0.02	0.05	0.00		

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CAPRA Team

Ecuador

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	15 737 878
- Urban	[%]	63.3
- Rural	[%]	36.7
Land area	[km²]	248 360.0
Pop.Density	[km²/Hab]	63.4
GINI	[value]	46.50
HDI	[value]	0.71
Exposed Value	[million US$]	283 058
- Fiscal	[million US$]	43 252

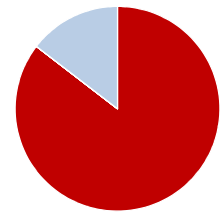
Economic Indicators

GDP Gross Domestic Product	[million US$]	94 472.7
GDP per capita	[US$]	6 002.9
GNE Gross National Expenditure	[million US$]	96 787.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	24 098.4
GFCF Gross Fixed Capital Formation	[million US$]	26 312.9
TR Total Reserves	[million US$]	4 345.8
Public spending on education	[% GDP]	4.4
Health Expenditure	[% GDP]	6.4

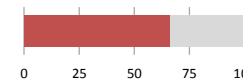
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1 248.9	4.42	11 412.8	19 111.5	26 280.1	34 449.4
(Fiscal)	205.3	4.75	1 854.2	3 092.9	4 242.5	5 543.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	0.7	0.02	2.6	23.0	63.5	168.5
Flood	212.9	0.75				
(Fiscal)	37.7	0.87				
National	1 461.7	5.17				
Fiscal	243.6	5.63				

AAL Distribution by Hazard



Disaster Risk Development Implications



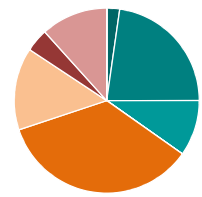
DRDI **66.33**

Ranking		
World	9	168
Region	2	46
Economy	3	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	9 395.5	28.0	2.98
	Middle low	60 455.7	284.0	4.70
	Middle high	29 337.3	122.2	4.16
	High			
Services	Commercial	93 681.9	438.7	4.68
	Industrial	42 022.6	180.0	4.28
Education	Private	14 169.0	50.1	3.54
	Public	33 754.1	145.8	4.32
Health	Private	139.6	0.0	0.08
	Public	102.1	0.0	0.05
Government	Assets			
	National	283 057.8	1 248.9	4.41
	Fiscal	43 251.7	173.9	4.02

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

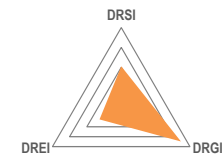
AAL/SE **DRSI** **65.3**

Disaster Risk Growth & Financial Implications

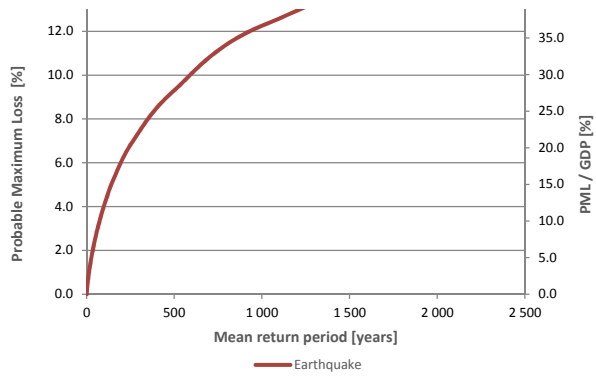
AAL/TR 0.34
AAL/GFCF 0.06
DRGI **72.4**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.06
DREI **61.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.05				0.01
(Fiscal)	0.01			0.00	0.00
AAL/GNE	0.01				0.00
(Fiscal)	0.00			0.00	0.00
AAL/TR	0.29				0.05
(Fiscal)	0.05			0.00	0.01
AAL/GFCF	0.05				0.01
(Fiscal)	0.01			0.00	0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.12				
(Fiscal)	0.02			0.00	
PML250/GDP	0.12				
(Fiscal)	0.02			0.00	

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CAPRA Team

Egypt

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	82 056 376
- Urban	[%]	43.0
- Rural	[%]	57.0
Land area	[km²]	995 450.0
Pop.Density	[km²/Hab]	82.4
GINI	[value]	30.70
HDI	[value]	0.68
Exposed Value	[million US$]	617 481
- Fiscal	[million US$]	266 653

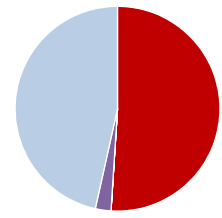
Economic Indicators

GDP Gross Domestic Product	[million US$]	271 972.8
GDP per capita	[US$]	3 314.5
GNE Gross National Expenditure	[million US$]	291 083.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	34 252.6
GFCF Gross Fixed Capital Formation	[million US$]	37 477.1
TR Total Reserves	[million US$]	16 536.2
Public spending on education	[% GDP]	3.8
Health Expenditure	[% GDP]	5.0

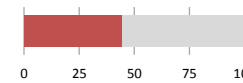
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	176.9	0.29	1 711.5	3 948.2	7 342.9	13 032.6
(Fiscal)	76.2	0.29	737.2	1 699.6	3 159.8	5 607.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	8.5	0.01	0.0	4.2	212.8	1 760.0
(Fiscal)	7.9	0.03	0.0	21.1	487.4	2 274.7
Flood	161.3	0.26				
(Fiscal)	71.0	0.27				
National	346.7	0.56				
Fiscal	155.1	0.58				

AAL Distribution by Hazard



Disaster Risk Development Implications



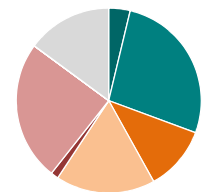
DRDI **44.35**

Ranking		
World	116	168
Region	4	57
Economy	33	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	26 604.3	6.6	0.25
	Middle low	162 667.5	47.6	0.29
	Middle high			
	High			
Services	Commercial	70 389.7	20.0	0.28
	Industrial	106 187.5	30.7	0.29
Education	Private	11 000.1	2.3	0.21
	Public	148 131.2	43.2	0.29
Health	Private	583.2	0.0	0.07
	Public	411.1	0.0	0.05
Government	Assets	91 506.7	26.3	0.29
	National	617 481.4	176.9	0.29
	Fiscal	266 653.3	76.2	0.29

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

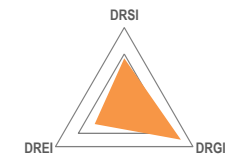
AAL/SE — **DRSI** **44.2**

Disaster Risk Growth & Financial Implications

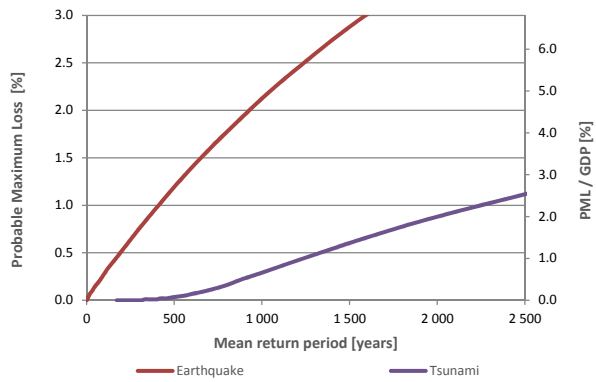
AAL/TR 0.02
AAL/GFCF 0.01 — **DRGI** **47.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 — **DREI** **41.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01			0.0002	0.005
(Fiscal)	0.002			0.0002	0.002
AAL/GNE	0.001			0.00003	0.001
(Fiscal)	0.0003			0.00003	0.0002
AAL/TR	0.01			0.001	0.01
(Fiscal)	0.005			0.0005	0.004
AAL/GFCF	0.005			0.0002	0.004
(Fiscal)	0.002			0.0002	0.002
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.003				
PML250/GDP	0.01				
(Fiscal)	0.003				

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CAPRA Team

El Salvador

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	6 340 454
- Urban	[%]	65.8
- Rural	[%]	34.2
Land area	[km²]	20 720.0
Pop.Density	[km²/Hab]	306.0
GINI	[value]	41.80
HDI	[value]	0.66
Exposed Value	[million US$]	71 586
- Fiscal	[million US$]	13 792

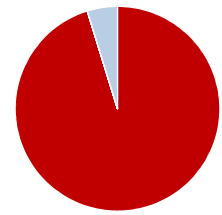
Economic Indicators

GDP Gross Domestic Product	[million US$]	24 259.1
GDP per capita	[US$]	3 826.1
GNE Gross National Expenditure	[million US$]	28 969.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	2 071.2
GFCF Gross Fixed Capital Formation	[million US$]	3 663.9
TR Total Reserves	[million US$]	2 756.9
Public spending on education	[% GDP]	3.4
Health Expenditure	[% GDP]	6.7

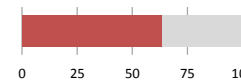
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	250.4	3.50	2 283.6	3 540.6	4 743.3	6 123.3
(Fiscal)	42.8	3.10	406.8	630.8	849.6	1 107.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	12.5	0.18				
(Fiscal)	2.1	0.16				
National	262.9	3.67				
Fiscal	44.9	3.25				

AAL Distribution by Hazard



Disaster Risk Development Implications



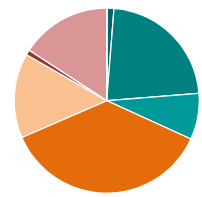
DRDI **63.49**

Ranking		
World	14	168
Region	5	46
Economy	7	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 152.1	3.1	1.46
	Middle low	14 969.6	56.3	3.76
	Middle high	7 439.7	20.2	2.72
	High			
Services	Commercial	22 378.8	91.9	4.10
	Industrial	11 274.1	37.0	3.28
Education	Private	1 717.6	2.3	1.32
	Public	11 619.1	39.6	3.41
Health	Private	14.1	0.0	0.01
	Public	20.7	0.0	0.02
Government	Assets			
	National	71 585.9	250.4	3.50
	Fiscal	13 791.9	42.7	3.10

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

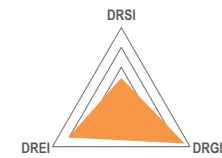
AAL/SE **DRSI** **60.9**

Disaster Risk Growth & Financial Implications

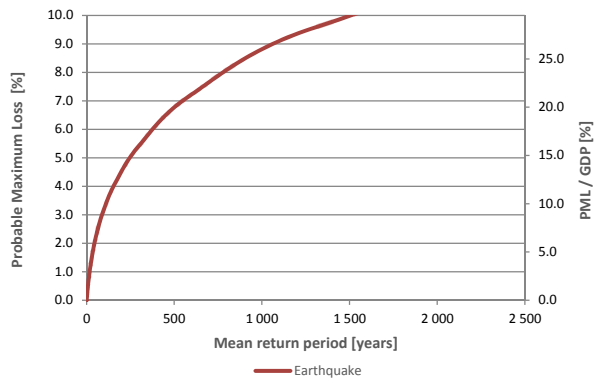
AAL/TR 0.10
AAL/GFCF 0.07 **DRGI** **65.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.13 **DREI** **64.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.12				0.01
(Fiscal)	0.02				0.00
AAL/GNE	0.01				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.09				0.00
(Fiscal)	0.02				0.00
AAL/GFCF	0.07				0.00
(Fiscal)	0.01				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.08				
(Fiscal)	0.01				
PML250/GDP	0.09				
(Fiscal)	0.02				

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CAPRA Team

Equatorial Guinea

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	757 014
- Urban	[%]	39.6
- Rural	[%]	60.4
Land area	[km^2]	28 050.0
Pop.Density	[km^2/Hab]	27.0
GINI	[value]	
HDI	[value]	0.56
Exposed Value	[million US$]	20 065
- Fiscal	[million US$]	1 878

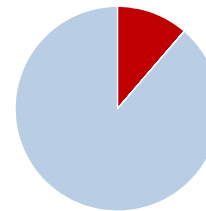
Economic Indicators

GDP Gross Domestic Product	[million US$]	15 580.6
GDP per capita	[US$]	20 581.6
GNE Gross National Expenditure	[million US$]	12 451.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	9 099.2
TR Total Reserves	[million US$]	4 397.0
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	4.7

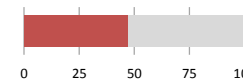
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2.5	0.13	29.8	105.7	247.2	485.5
(Fiscal)	0.2	0.13	2.7	9.7	23.2	46.9
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	19.8	0.99				
(Fiscal)	2.4	1.27				
National	22.3	1.11				
Fiscal	2.6	1.40				

AAL Distribution by Hazard



Disaster Risk Development Implications



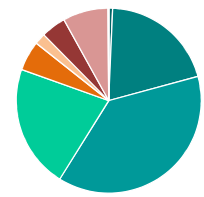
DRDI **47.1**

Ranking		
World	97	168
Region	27	57
Economy	21	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	168.8	0.0	0.10
	Middle low	4 001.9	0.5	0.12
	Middle high	7 343.9	0.9	0.12
	High	4 296.1	0.5	0.12
Services	Commercial	1 123.7	0.1	0.11
	Industrial	453.9	0.0	0.10
Education	Private	959.1	0.1	0.11
	Public	1 686.5	0.2	0.11
Health	Private	7.8	0.0	0.05
	Public	23.1	0.0	0.07
Government	Assets			
National		20 064.8	2.4	0.12
Fiscal		1 878.5	0.2	0.11

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

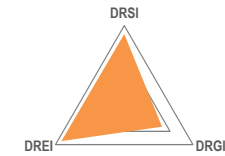
AAL/SE **DRSI** **53.5**

Disaster Risk Growth & Financial Implications

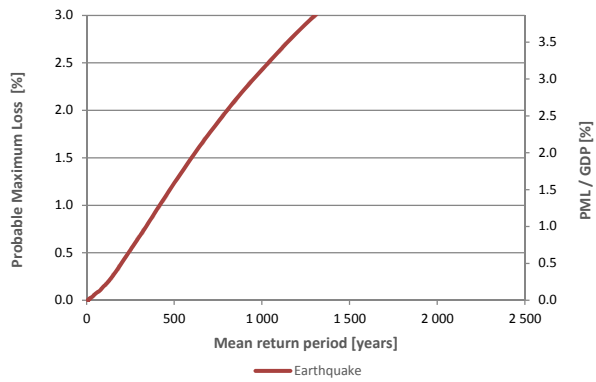
AAL/TR 0.01
AAL/GFCF 0.00
DRGI **33.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS
DREI **54.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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CAPRA Team

Eritrea

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	6 333 135
- Urban	[%]	21.8
- Rural	[%]	78.2
Land area	[km²]	101 000.0
Pop.Density	[km²/Hab]	62.7
GINI	[value]	
HDI	[value]	0.38
Exposed Value	[million US$]	9 085
- Fiscal	[million US$]	5 183

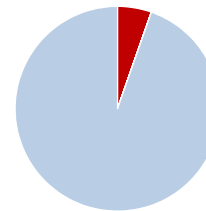
Economic Indicators

GDP Gross Domestic Product	[million US$]	3 444.1
GDP per capita	[US$]	543.8
GNE Gross National Expenditure	[million US$]	2 836.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	111.8
GFCF Gross Fixed Capital Formation	[million US$]	260.7
TR Total Reserves	[million US$]	114.8
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	2.6

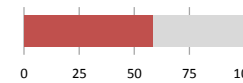
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.7	0.08	6.7	19.6	41.9	83.7
(Fiscal)	0.4	0.08	3.8	11.2	24.0	47.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	12.5	1.38				
(Fiscal)	7.2	1.38				
National	13.2	1.45				
Fiscal	7.6	1.46				

AAL Distribution by Hazard



Disaster Risk Development Implications



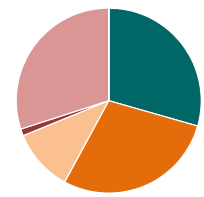
DRDI **58.69**

Ranking		
World	28	168
Region	7	57
Economy	14	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 564.4	0.1	0.05
	Middle low			
	Middle high			
	High			
Services	Commercial	2 494.6	0.1	0.05
	Industrial	1 202.1	0.1	0.04
Education	Private	197.1	0.0	0.03
	Public	2 612.3	0.1	0.05
Health	Private	7.8	0.0	0.00
	Public	6.4	0.0	0.00
Government	Assets			
National		9 084.7	0.5	0.05
Fiscal		5 183.1	0.3	0.05

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

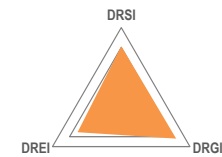
AAL/SE **DRSI** **61.3**

Disaster Risk Growth & Financial Implications

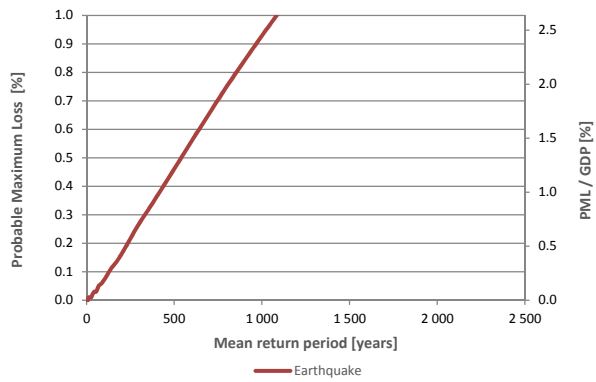
AAL/TR 0.12
AAL/GFCF 0.05
DRGI **64.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.12
DREI **50.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.11
(Fiscal)	0.004				0.06
AAL/GNE	0.0003				0.004
(Fiscal)	0.0001				0.00
AAL/TR	0.01				0.11
(Fiscal)	0.003				0.06
AAL/GFCF	0.003				0.05
(Fiscal)	0.002				0.03
AAL/SE					
(Fiscal)					
PML250/GNE	0.002				
(Fiscal)	0.001				
PML250/GDP	0.002				
(Fiscal)	0.001				

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CAPRA Team

Estonia

Europe

GAR Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 324 612
- Urban	[%]	67.7
- Rural	[%]	32.3
Land area	[km²]	42 390.0
Pop.Density	[km²/Hab]	31.2
GINI	[value]	32.60
HDI	[value]	0.84
Exposed Value	[million US$]	79 654
- Fiscal	[million US$]	8 042

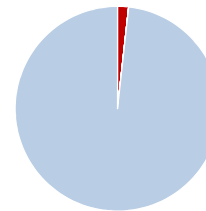
Economic Indicators

GDP Gross Domestic Product	[million US$]	24 880.3
GDP per capita	[US$]	18 783.1
GNE Gross National Expenditure	[million US$]	24 664.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	5 528.6
GFCF Gross Fixed Capital Formation	[million US$]	6 795.4
TR Total Reserves	[million US$]	314.4
Public spending on education	[% GDP]	5.2
Health Expenditure	[% GDP]	5.9

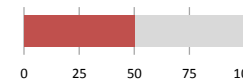
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1.1	0.01	12.0	48.9	91.1	178.7
(Fiscal)	0.1	0.01	1.2	5.0	9.3	18.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	61.6	0.77				
(Fiscal)	6.3	0.78				
National	62.7	0.79				
Fiscal	6.4	0.79				

AAL Distribution by Hazard



Disaster Risk Development Implications



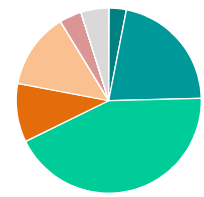
DRDI **50.38**

Ranking		
World	77	168
Region	15	51
Economy	10	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	159.4	0.0	0.00
	Middle low	2 804.8	0.0	0.01
	Middle high	16 872.7	0.2	0.01
	High	32 482.2	0.4	0.01
Services	Commercial	8 451.8	0.1	0.01
	Industrial	10 864.6	0.1	0.01
Education	Private	102.6	0.0	0.00
	Public	3 545.8	0.0	0.01
Health	Private	34.0	0.0	0.00
	Public	110.5	0.0	0.00
Government	Assets	4 226.2	0.0	0.01
	National	79 654.4	1.0	0.01
	Fiscal	8 041.8	0.1	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

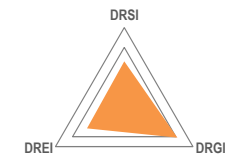
AAL/SE **DRSI** **46.0**

Disaster Risk Growth & Financial Implications

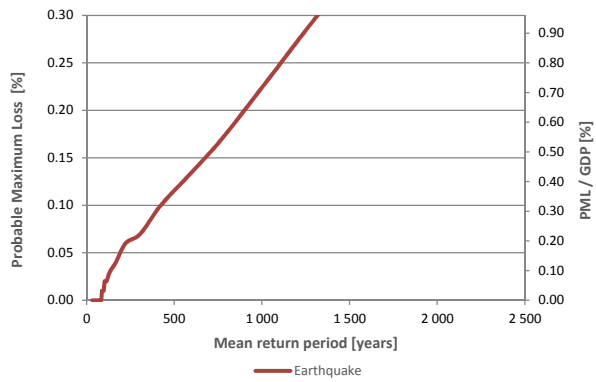
AAL/TR 0.20
AAL/GFCF 0.01
DRGI **62.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **43.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.20
(Fiscal)	0.00				0.02
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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CAPRA Team

Ethiopia

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	94 100 752
- Urban	[%]	18.6
- Rural	[%]	81.4
Land area	[km²]	1 000 000.0
Pop.Density	[km²/Hab]	94.1
GINI	[value]	33.60
HDI	[value]	0.44
Exposed Value	[million US$]	65 812
- Fiscal	[million US$]	44 655

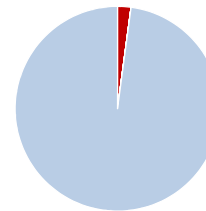
Economic Indicators

GDP Gross Domestic Product	[million US$]	47 525.2
GDP per capita	[US$]	505.0
GNE Gross National Expenditure	[million US$]	55 403.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	13 482.1
GFCF Gross Fixed Capital Formation	[million US$]	17 012.6
TR Total Reserves	[million US$]	1 780.9
Public spending on education	[% GDP]	4.7
Health Expenditure	[% GDP]	3.8

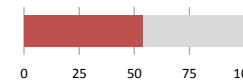
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2.9	0.04	42.5	103.8	179.3	283.4
(Fiscal)	2.3	0.05	32.8	79.0	134.6	208.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	135.5	2.07				
(Fiscal)	95.6	2.14				
National	138.5	2.11				
Fiscal	97.9	2.19				

AAL Distribution by Hazard



Disaster Risk Development Implications



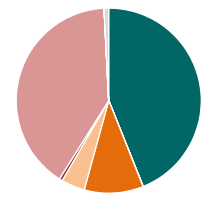
DRDI **53.86**

Ranking		
World	47	168
Region	11	57
Economy	20	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	15 022.9	0.6	0.04
	Middle low			
	Middle high			
	High			
Services	Commercial	12 353.5	0.1	0.01
	Industrial	7 059.0	0.1	0.01
Education	Private	1 738.3	0.0	0.00
	Public	27 378.3	0.6	0.02
Health	Private	5.8	0.0	0.00
	Public	8.0	0.0	0.00
Government	Assets	2 246.0	0.0	0.01
	National	65 811.7	1.4	0.02
	Fiscal	44 655.1	1.2	0.03

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

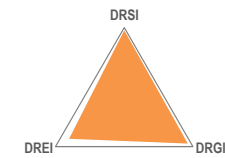
AAL/SE — **DRSI** 58.0

Disaster Risk Growth & Financial Implications

AAL/TR 0.08
AAL/GFCF 0.01
DRGI 55.5

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI 48.1



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.08
(Fiscal)	0.00				0.05
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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CAPRA Team

Falkland Islands

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 840
- Urban	[%]	74.1
- Rural	[%]	25.9
Land area	[km²]	12 173.0
Pop.Density	[km²/Hab]	0.2
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	45
- Fiscal	[million US$]	3

Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National						
Fiscal						

AAL Distribution by Hazard

Disaster Risk Development Implications

0 25 50 75 100

DRDI **0**

Ranking	
World	168
Region	46
Economy	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	0.1	0.0	0.00
	Middle low	1.1	0.0	0.00
	Middle high	3.2	0.0	0.00
	High	36.2	0.0	0.00
Services	Commercial	0.4	0.0	0.00
	Industrial	1.0	0.0	0.00
Education	Private	0.5	0.0	0.00
	Public	2.3	0.0	0.00
Health	Private	0.0	0.0	0.00
	Public	0.0	0.0	0.00
Government	Assets			
National		44.9	0.0	0.00
Fiscal		2.5	0.0	0.00

AAL Distribution by Sector

DRDI Components

Disaster Risk Social Implications

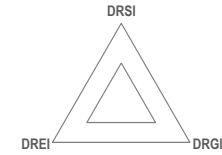
AAL/SE — DRSI

Disaster Risk Growth & Financial Implications

AAL/TR, AAL/GFCF — DRGI

Disaster Risk Economic Implications

AAL/PC, AAL/GS — DREI



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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CAPRA Team

Faroe Islands

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	49 469
- Urban	[%]	41.5
- Rural	[%]	58.5
Land area	[km²]	1 396.0
Pop.Density	[km²/Hab]	35.4
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	9 272
- Fiscal	[million US$]	389

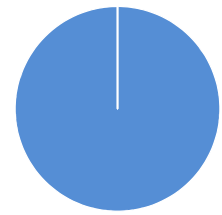
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 198.1
GDP per capita	[US$]	44 317.3
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	

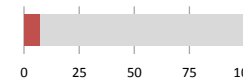
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	1.1	0.12	0.6	144.5	197.4	234.0
(Fiscal)	0.1	0.13	0.0	6.1	8.5	10.1
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	1.1	0.12				
Fiscal	0.1	0.13				

AAL Distribution by Hazard



Disaster Risk Development Implications



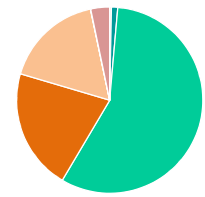
DRDI **7.28**

Ranking		
World	163	168
Region	41	51
Economy	38	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	5.5	0.0	0.00
	Middle low	52.6	0.0	0.06
	Middle high	147.9	0.0	0.08
	High	5 112.6	0.6	0.13
Services	Commercial	1 950.2	0.2	0.12
	Industrial	1 600.9	0.2	0.12
Education	Private	17.5	0.0	0.03
	Public	377.0	0.0	0.10
Health	Private	1.4	0.0	0.00
	Public	6.8	0.0	0.01
Government	Assets			
	National	9 272.4	1.1	0.12
	Fiscal	389.3	0.0	0.10

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

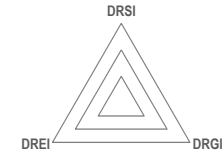
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

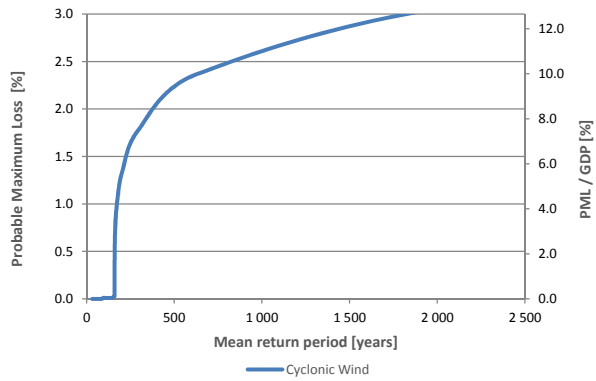
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **21.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP		0.00		
(Fiscal)		0.00		

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CAPRA Team

Fiji

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

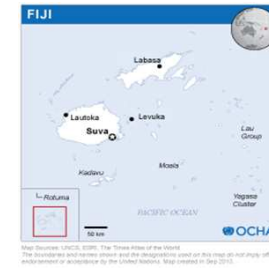
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	881 065
- Urban	[%]	53.0
- Rural	[%]	47.0
Land area	[km²]	18 270.0
Pop.Density	[km²/Hab]	48.2
GINI	[value]	42.80
HDI	[value]	0.72
Exposed Value	[million US$]	11 572
- Fiscal	[million US$]	1 686

Economic Indicators

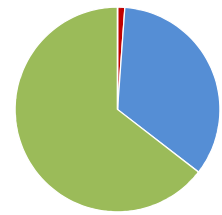
GDP Gross Domestic Product	[million US$]	3 855.0
GDP per capita	[US$]	4 375.4
GNE Gross National Expenditure	[million US$]	4 579.4
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	359.3
GFCF Gross Fixed Capital Formation	[million US$]	743.9
TR Total Reserves	[million US$]	941.8
Public spending on education	[% GDP]	4.2
Health Expenditure	[% GDP]	4.0



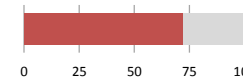
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1.5	0.13	25.1	78.4	153.3	263.0
(Fiscal)	0.3	0.15	4.2	13.1	25.2	42.7
Cyclonic Wind	45.2	3.91	936.5	1 152.4	1 267.2	1 485.0
(Fiscal)	88.2	52.33	954.6	954.7	954.7	954.8
Storm Surge	85.1	7.35	907.8	1 025.9	1 042.6	1 076.2
(Fiscal)	12.8	7.61	127.1	150.1	151.1	153.0
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	131.8	11.39				
Fiscal	101.3	60.08				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **72.23**

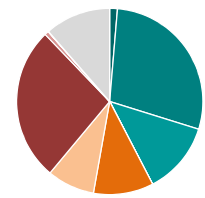
Ranking

SIDS Country **9** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	210.5	0.6	2.97
	Middle low	3 214.9	13.3	4.13
	Middle high	1 456.3	5.9	4.03
	High			
Services	Commercial	1 222.7	4.9	3.98
	Industrial	981.2	3.9	3.93
Education	Private	3 006.8	12.5	4.14
	Public	129.7	0.3	2.60
Health	Private	4.1	0.0	0.66
	Public	11.8	0.0	1.09
Government	Assets	1 333.8	5.3	4.00
National		11 571.8	46.6	4.03
Fiscal		1 685.8	6.3	3.74

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

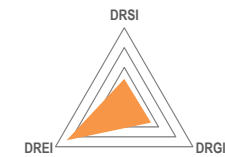
AAL/SE **DRSI** **70.8**

Disaster Risk Growth & Financial Implications

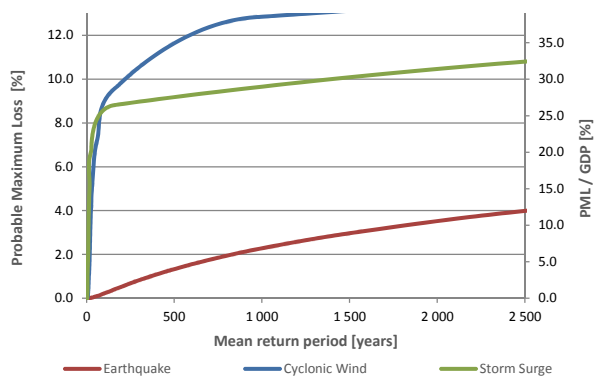
AAL/TR 0.14
AAL/GFCF 0.18
DRGI **71.1**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.37
DREI **74.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.00	0.13	0.24	
(Fiscal)	0.00	0.25	0.04	
AAL/GNE	0.00	0.01	0.02	
(Fiscal)	0.00	0.02	0.00	
AAL/TR	0.00	0.05	0.09	
(Fiscal)	0.00	0.09	0.01	
AAL/GFCF	0.00	0.06	0.11	
(Fiscal)	0.00	0.12	0.02	
AAL/SE				
(Fiscal)				
PML250/GNE	0.01	0.20	0.20	
(Fiscal)	0.00	0.21	0.03	
PML250/GDP	0.01	0.24	0.24	
(Fiscal)	0.00	0.25	0.03	

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INGENIAR Ltd

CAPRA Team

Finland

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	5 439 407
- Urban	[%]	84.0
- Rural	[%]	16.0
Land area	[km^2]	303 890.0
Pop.Density	[km^2/Hab]	17.9
GINI	[value]	27.70
HDI	[value]	0.88
Exposed Value	[million US$]	967 319
- Fiscal	[million US$]	67 061

Economic Indicators

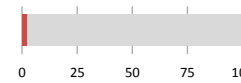
GDP Gross Domestic Product	[million US$]	267 328.6
GDP per capita	[US$]	49 146.6
GNE Gross National Expenditure	[million US$]	269 912.4
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	53 281.6
GFCF Gross Fixed Capital Formation	[million US$]	56 624.2
TR Total Reserves	[million US$]	11 272.4
Public spending on education	[% GDP]	6.8
Health Expenditure	[% GDP]	9.1

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National						
Fiscal						

AAL Distribution by Hazard

Disaster Risk Development Implications



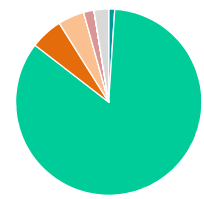
DRDI **2.05**

Ranking		
World	165	168
Region	42	51
Economy	42	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	245.7	0.0	0.00
	Middle low	4 589.0	0.0	0.00
	Middle high	19 322.7	0.0	0.00
	High	745 504.9	0.9	0.00
Services	Commercial	69 997.4	0.1	0.00
	Industrial	59 330.7	0.0	0.00
Education	Private	1 187.3	0.0	0.00
	Public	28 533.5	0.0	0.00
Health	Private	326.2	0.0	0.00
	Public	949.4	0.0	0.00
Government	Assets	37 332.5	0.0	0.00
	National	967 319.3	1.0	0.00
	Fiscal	67 061.1	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

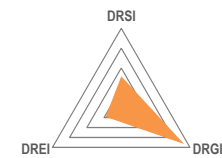
AAL/SE **DRSI** **1.6**

Disaster Risk Growth & Financial Implications

AAL/TR
AAL/GFCF **DRGI** **3.7**

Disaster Risk Economic Implications

AAL/PC
AAL/GS **DREI** **0.9**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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France

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	66 028 468
- Urban	[%]	79.1
- Rural	[%]	20.9
Land area	[km²]	547 561.0
Pop.Density	[km²/Hab]	120.6
GINI	[value]	31.60
HDI	[value]	0.88
Exposed Value	[million US$]	10 484 993
- Fiscal	[million US$]	684 185

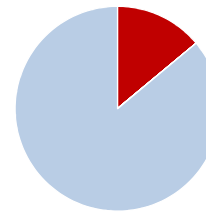
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 806 427.9
GDP per capita	[US$]	42 503.3
GNE Gross National Expenditure	[million US$]	2 848 015.5
SE Social Expenditure	[million US$]	1.0
GS Gross Savings	[million US$]	552 824.1
GFCF Gross Fixed Capital Formation	[million US$]	619 955.3
TR Total Reserves	[million US$]	145 161.1
Public spending on education	[% GDP]	5.7
Health Expenditure	[% GDP]	11.8

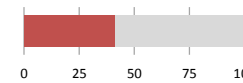
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	501.0	0.05	6 665.5	13 822.5	21 236.9	30 263.8
(Fiscal)	33.4	0.05	444.4	921.8	1 415.7	2 017.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	3 091.7	0.30				
(Fiscal)	205.1	0.30				
National	3 592.7	0.35				
Fiscal	238.4	0.35				

AAL Distribution by Hazard



Disaster Risk Development Implications



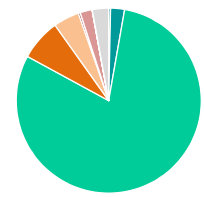
DRDI **41.28**

Ranking		
World	129	168
Region	27	51
Economy	25	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 365.3	0.0	0.00
	Middle low	76 705.2	1.6	0.02
	Middle high	328 011.1	12.1	0.04
	High	7 956 498.0	400.6	0.05
Services	Commercial	817 662.6	36.1	0.04
	Industrial	538 881.6	22.6	0.04
Education	Private	79 750.7	1.7	0.02
	Public	291 655.1	10.4	0.04
Health	Private	3 298.5	0.0	0.00
	Public	12 042.2	0.1	0.01
Government	Assets	376 122.5	14.3	0.04
	National	10 484 992.8	499.6	0.05
	Fiscal	684 185.1	24.9	0.04

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

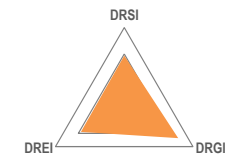
AAL/SE 3480.05 **DRSI** **38.8**

Disaster Risk Growth & Financial Implications

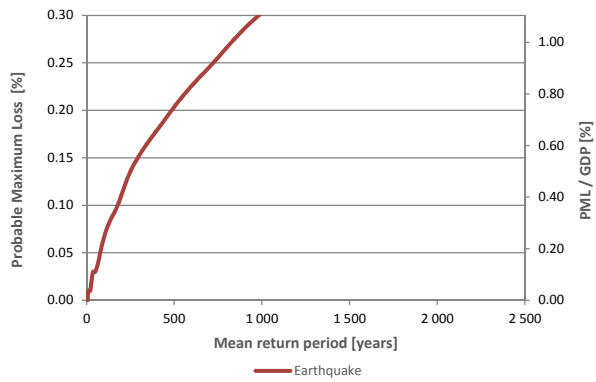
AAL/TR 0.02
AAL/GFCF 0.01 **DRGI** **47.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **37.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.02
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE	485.30				2994.75
(Fiscal)	32.33				198.62
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Latin America and the Caribbean

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Brief Country Risk Profile

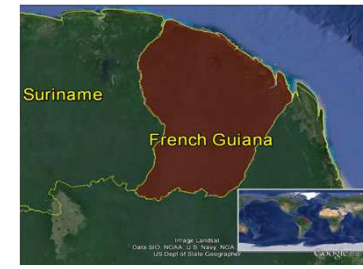
UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	237 550
- Urban	[%]	76.3
- Rural	[%]	23.7
Land area	[km²]	87 981.5
Pop.Density	[km²/Hab]	2.7
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	16 801
- Fiscal	[million US$]	764

Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

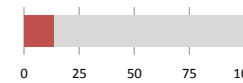


National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.2	0.01	0.2	4.1	13.0	35.4
(Fiscal)	0.0	0.01	0.0	0.2	0.6	1.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	147.8	8.80				
(Fiscal)	6.8	8.88				
National	148.0	8.81				
Fiscal	6.8	8.89				

AAL Distribution by Hazard

Disaster Risk Development Implications



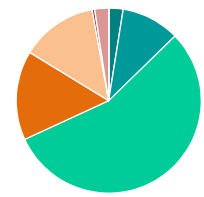
DRDI **13.76**

Ranking		
World	157	168
Region	18	46
Economy	46	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	74.7	0.0	0.00
	Middle low	661.7	0.0	0.01
	Middle high	1 848.3	0.0	0.01
	High	8 346.5	0.1	0.01
Services	Commercial	2 663.2	0.0	0.01
	Industrial	2 329.5	0.0	0.01
Education	Private	180.5	0.0	0.00
	Public	660.8	0.0	0.01
Health	Private	7.7	0.0	0.00
	Public	28.1	0.0	0.00
Government	Assets			
National		16 800.9	0.2	0.01
Fiscal		763.6	0.0	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

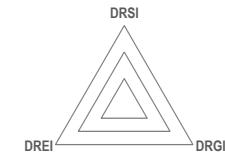
AAL/SE — **DRSI** 0.0

Disaster Risk Growth & Financial Implications

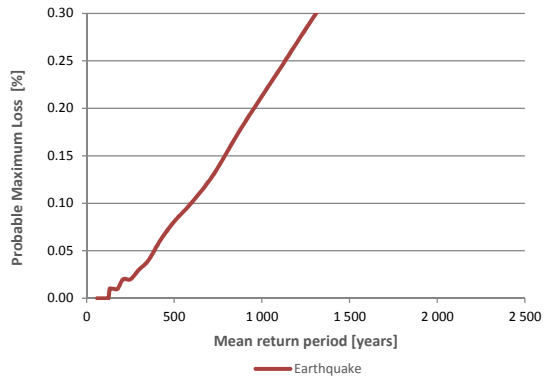
AAL/TR, AAL/GFCF — **DRGI** 0.0

Disaster Risk Economic Implications

AAL/PC 0.01, AAL/GS — **DREI** 41.3



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE					
(Fiscal)					
AAL/TR					
(Fiscal)					
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
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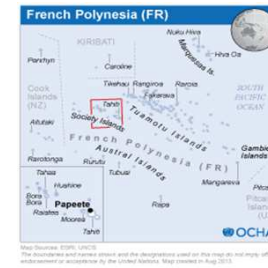
National Information

Population	[Hab]	276 831
- Urban	[%]	56.1
- Rural	[%]	43.9
Land area	[km²]	3 660.0
Pop.Density	[km²/Hab]	75.6
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	22 003
- Fiscal	[million US$]	389

Economic Indicators

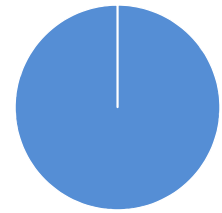
GDP Gross Domestic Product	[million US$]	3 447.5
GDP per capita	[US$]	14 530.2
GNE Gross National Expenditure	[million US$]	4 114.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	



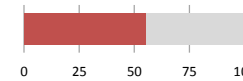
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	104.1	4.73	2 783.0	3 716.7	4 197.2	4 996.6
(Fiscal)	1.9	4.99	50.7	67.8	77.6	93.2
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	104.1	4.73				
Fiscal	1.9	4.99				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **55.27**

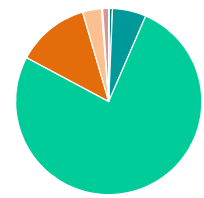
Ranking

SIDS Country **23** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	14.0	0.0	0.86
	Middle low	248.5	0.7	2.62
	Middle high	1 369.9	6.1	4.46
	High	16 241.1	79.4	4.89
Services	Commercial	2 815.0	13.2	4.68
	Industrial	837.1	3.4	4.09
Education	Private	98.4	0.2	2.00
	Public	359.7	1.1	3.01
Health	Private	4.2	0.0	0.00
	Public	15.3	0.0	0.86
Government	Assets			
	National	22 003.2	104.1	4.73
	Fiscal	389.0	1.1	2.85

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

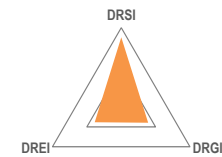
AAL/SE **DRSI** **88.0**

Disaster Risk Growth & Financial Implications

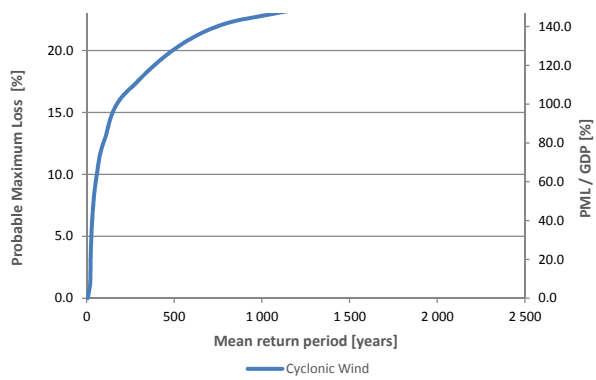
AAL/TR
AAL/GFCF **DRGI** **39.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **38.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE		0.03		
(Fiscal)		0.0005		
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE		0.68		
(Fiscal)		0.01		
PML250/GDP		0.81		
(Fiscal)		0.01		

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Gabon

Africa

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 671 711
- Urban	[%]	86.7
- Rural	[%]	13.3
Land area	[km²]	257 670.0
Pop.Density	[km²/Hab]	6.5
GINI	[value]	42.10
HDI	[value]	0.67
Exposed Value	[million US$]	120 338
- Fiscal	[million US$]	12 903

Economic Indicators

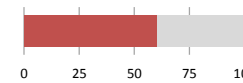
GDP Gross Domestic Product	[million US$]	19 343.5
GDP per capita	[US$]	11 571.1
GNE Gross National Expenditure	[million US$]	14 724.3
SE Social Expenditure	[million US$]	0.0
GS Gross Savings	[million US$]	3 829.7
GFCF Gross Fixed Capital Formation	[million US$]	6 432.0
TR Total Reserves	[million US$]	2 351.6
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	3.5

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2.9	0.02	45.7	94.2	173.0	316.1
(Fiscal)	0.3	0.02	4.8	9.9	18.0	33.1
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	200.2	1.66				
(Fiscal)	13.9	1.07				
National	203.1	1.69				
Fiscal	14.2	1.10				

AAL Distribution by Hazard

Disaster Risk Development Implications



DRDI **60.2**

Ranking		
World	24	168
Region	5	57
Economy	2	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	701.9	0.0	0.01
	Middle low	16 646.0	0.3	0.02
	Middle high	30 631.3	0.7	0.02
	High	17 845.6	0.4	0.02
Services	Commercial	27 974.8	0.6	0.02
	Industrial	7 753.6	0.1	0.02
Education	Private	6 525.6	0.1	0.02
	Public	12 155.7	0.2	0.02
Health	Private	57.7	0.0	0.01
	Public	45.3	0.0	0.01
Government	Assets			
	National	120 337.5	2.5	0.02
	Fiscal	12 903.0	0.3	0.02

AAL Distribution by Sector

DRDI Components

Disaster Risk Social Implications

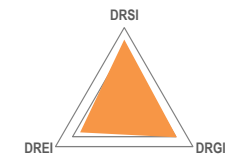
AAL/SE 274283.14 **DRSI** **67.8**

Disaster Risk Growth & Financial Implications

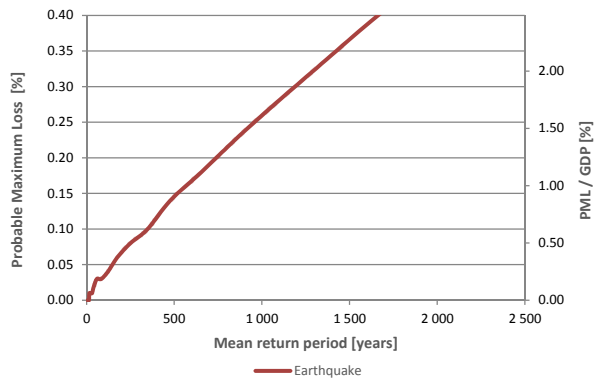
AAL/TR 0.09
AAL/GFCF 0.03 **DRGI** **61.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.05 **DREI** **51.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.05
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.01
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.09
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.03
(Fiscal)	0.00				0.00
AAL/SE	3917.37				270365.77
(Fiscal)	405.24				18722.31
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Georgia

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	4 476 900
- Urban	[%]	53.3
- Rural	[%]	46.7
Land area	[km²]	69 490.0
Pop.Density	[km²/Hab]	64.4
GINI	[value]	41.30
HDI	[value]	0.74
Exposed Value	[million US$]	53 839
- Fiscal	[million US$]	9 921

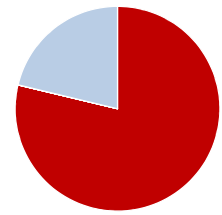
Economic Indicators

GDP Gross Domestic Product	[million US$]	16 140.0
GDP per capita	[US$]	3 605.2
GNE Gross National Expenditure	[million US$]	18 230.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	2 735.0
GFCF Gross Fixed Capital Formation	[million US$]	3 542.6
TR Total Reserves	[million US$]	2 823.4
Public spending on education	[% GDP]	2.0
Health Expenditure	[% GDP]	9.2

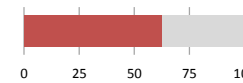
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	167.0	3.10	2 068.8	3 499.6	4 766.0	6 057.3
(Fiscal)	29.9	3.02	372.5	631.7	861.6	1 095.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	45.1	0.84				
(Fiscal)	7.9	0.79				
National	212.1	3.94				
Fiscal	37.8	3.81				

AAL Distribution by Hazard



Disaster Risk Development Implications



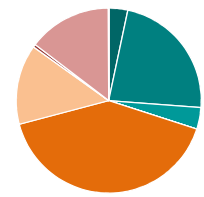
DRDI **62.61**

Ranking		
World	17	168
Region	9	51
Economy	9	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	2 041.9	5.6	2.72
	Middle low	12 115.2	38.2	3.15
	Middle high	2 274.9	6.3	2.77
	High			
Services	Commercial	21 432.6	68.3	3.19
	Industrial	7 547.5	23.4	3.09
Education	Private	454.7	0.8	1.79
	Public	7 844.4	24.3	3.10
Health	Private	92.4	0.1	1.07
	Public	35.1	0.0	0.67
Government	Assets			
	National	53 838.7	167.0	3.10
	Fiscal	9 921.4	29.9	3.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

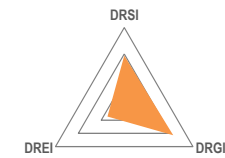
AAL/SE **DRSI** **62.9**

Disaster Risk Growth & Financial Implications

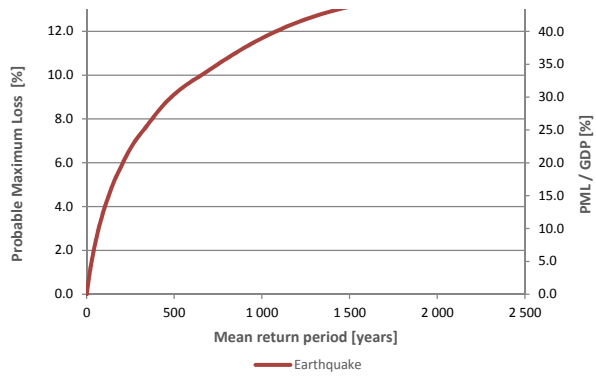
AAL/TR 0.08
AAL/GFCF 0.06
DRGI **63.1**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.08
DREI **61.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.06				0.02
(Fiscal)	0.01				0.00
AAL/GNE	0.01				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.06				0.02
(Fiscal)	0.01				0.00
AAL/GFCF	0.05				0.01
(Fiscal)	0.01				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.11				
(Fiscal)	0.02				
PML250/GDP	0.13				
(Fiscal)	0.02				

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Europe

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	80 621 792
- Urban	[%]	74.9
- Rural	[%]	25.1
Land area	[km²]	348 540.0
Pop.Density	[km²/Hab]	231.3
GINI	[value]	30.60
HDI	[value]	0.91
Exposed Value	[million US$]	15 229 542
- Fiscal	[million US$]	707 022

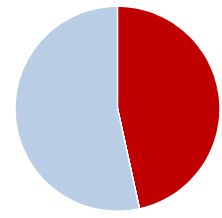
Economic Indicators

GDP Gross Domestic Product	[million US$]	3 730 260.6
GDP per capita	[US$]	46 268.6
GNE Gross National Expenditure	[million US$]	3 513 506.9
SE Social Expenditure	[million US$]	1.2
GS Gross Savings	[million US$]	930 909.1
GFCF Gross Fixed Capital Formation	[million US$]	737 992.7
TR Total Reserves	[million US$]	198 535.2
Public spending on education	[% GDP]	5.1
Health Expenditure	[% GDP]	11.3

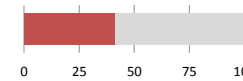
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2 350.1	0.16	36 237.7	71 572.5	109 204.5	157 473.9
(Fiscal)	109.4	0.15	1 685.9	3 331.7	5 083.8	7 336.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	2 697.6	0.18				
(Fiscal)	125.1	0.18				
National	5 047.7	0.33				
Fiscal	234.6	0.33				

AAL Distribution by Hazard



Disaster Risk Development Implications



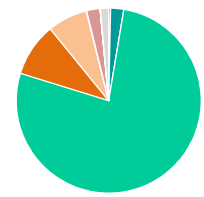
DRDI **41.48**

Ranking		
World	128	168
Region	26	51
Economy	24	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	5 265.7	0.0	0.01
	Middle low	92 150.8	7.7	0.08
	Middle high	397 198.8	53.6	0.14
	High	11 502 870.0	1 811.7	0.16
Services	Commercial	1 423 981.0	219.1	0.15
	Industrial	1 071 777.0	163.7	0.15
Education	Private	28 903.8	1.5	0.05
	Public	407 892.3	55.4	0.14
Health	Private	5 638.0	0.1	0.01
	Public	19 063.1	0.7	0.04
Government	Assets	274 801.3	34.2	0.12
	National	15 229 541.7	2 347.8	0.15
	Fiscal	707 022.4	90.4	0.13

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

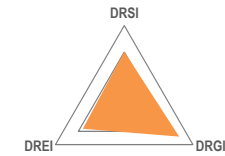
AAL/SE 4312.32 **DRSI** **40.3**

Disaster Risk Growth & Financial Implications

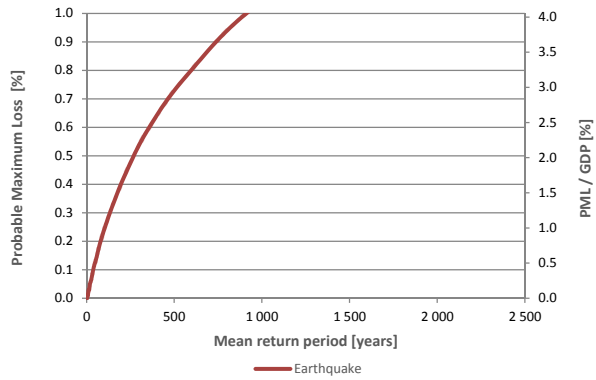
AAL/TR 0.03
AAL/GFCF 0.01 **DRGI** **48.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **36.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.003				0.003
(Fiscal)	0.0001				0.0001
AAL/GNE	0.001				0.001
(Fiscal)	0.00003				0.00004
AAL/TR	0.01				0.01
(Fiscal)	0.001				0.001
AAL/GFCF	0.003				0.004
(Fiscal)	0.0001				0.0002
AAL/SE	2007.74				2304.57
(Fiscal)	93.50				106.91
PML250/GNE	0.01				
(Fiscal)	0.0005				
PML250/GDP	0.01				
(Fiscal)	0.0005				

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Ghana

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	25 904 598
- Urban	[%]	52.7
- Rural	[%]	47.3
Land area	[km²]	227 540.0
Pop.Density	[km²/Hab]	113.8
GINI	[value]	42.70
HDI	[value]	0.57
Exposed Value	[million US$]	74 240
- Fiscal	[million US$]	27 889

Economic Indicators

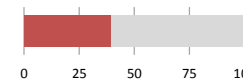
GDP Gross Domestic Product	[million US$]	48 137.0
GDP per capita	[US$]	1 858.2
GNE Gross National Expenditure	[million US$]	50 578.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	12 089.1
GFCF Gross Fixed Capital Formation	[million US$]	10 912.6
TR Total Reserves	[million US$]	5 587.7
Public spending on education	[% GDP]	8.1
Health Expenditure	[% GDP]	5.2

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	46.0	0.62				
(Fiscal)	20.0	0.72				
National	46.0	0.62				
Fiscal	20.0	0.72				

AAL Distribution by Hazard

Disaster Risk Development Implications



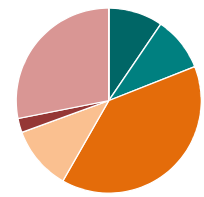
DRDI **39.31**

Ranking		
World	133	168
Region	39	57
Economy	43	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	9 016.0	0.0	0.00
	Middle low	9 471.6	0.0	0.00
	Middle high			
	High			
Services	Commercial	23 316.9	0.0	0.00
	Industrial	10 070.9	0.0	0.00
Education	Private	3 462.5	0.0	0.00
	Public	18 839.6	0.0	0.00
Health	Private	29.0	0.0	0.00
	Public	33.1	0.0	0.00
Government	Assets			
National		74 239.6	0.0	0.00
Fiscal		27 888.7	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

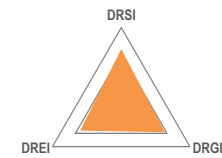
AAL/SE **DRSI** **43.8**

Disaster Risk Growth & Financial Implications

AAL/TR 0.01
AAL/GFCF 0.00
DRGI **38.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00
DREI **35.9**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.00
(Fiscal)					0.00
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.01
(Fiscal)					0.00
AAL/GFCF					0.00
(Fiscal)					0.00
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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CAPRA Team

Gibraltar

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	29 185
- Urban	[%]	100.0
- Rural	[%]	0.0
Land area	[km²]	6.5
Pop.Density	[km²/Hab]	4 490.0
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	4 042
- Fiscal	[million US$]	353

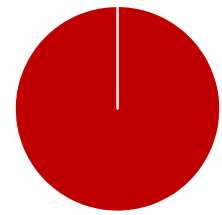
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

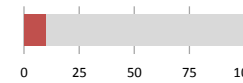
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2.5	0.63	22.6	52.0	93.6	170.1
(Fiscal)	0.2	0.62	1.9	4.5	8.1	14.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	2.5	0.63				
Fiscal	0.2	0.62				

AAL Distribution by Hazard



Disaster Risk Development Implications



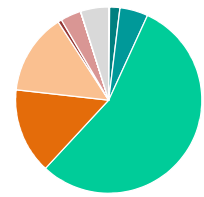
DRDI **9.76**

Ranking		
World	162	168
Region	40	51
Economy	31	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	8.1	0.0	0.47
	Middle low	71.5	0.0	0.63
	Middle high	198.4	0.1	0.63
	High	2 222.1	1.4	0.63
Services	Commercial	599.8	0.4	0.63
	Industrial	568.7	0.4	0.63
Education	Private	28.2	0.0	0.59
	Public	145.2	0.1	0.63
Health	Private	0.7	0.0	0.00
	Public	3.0	0.0	0.27
Government	Assets	196.5	0.1	0.63
	National	4 042.2	2.5	0.63
	Fiscal	352.9	0.2	0.62

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

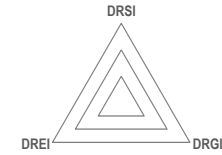
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

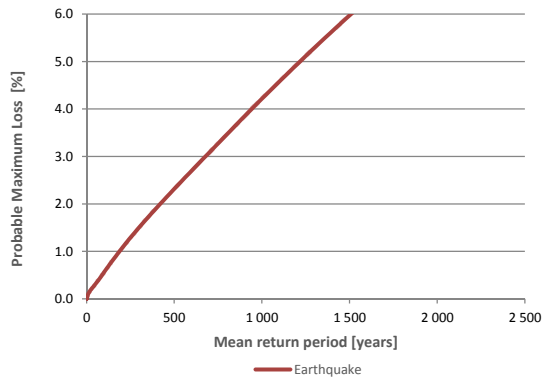
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **29.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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Greece

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	11 032 328
- Urban	[%]	77.3
- Rural	[%]	22.7
Land area	[km²]	128 900.0
Pop.Density	[km²/Hab]	85.6
GINI	[value]	34.70
HDI	[value]	0.85
Exposed Value	[million US$]	1 183 228
- Fiscal	[million US$]	53 120

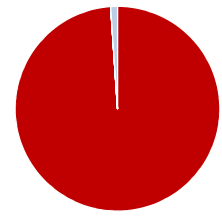
Economic Indicators

GDP Gross Domestic Product	[million US$]	242 230.3
GDP per capita	[US$]	21 956.4
GNE Gross National Expenditure	[million US$]	249 410.7
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	27 104.3
GFCF Gross Fixed Capital Formation	[million US$]	27 155.0
TR Total Reserves	[million US$]	5 763.1
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	9.3

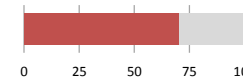
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	5 109.1	4.33	42 370.1	70 333.8	95 028.9	122 504.5
(Fiscal)	240.2	4.52	2 062.8	3 420.2	4 633.0	5 906.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	55.3	0.05				
(Fiscal)	2.5	0.05				
National	5 164.4	4.37				
Fiscal	242.7	4.57				

AAL Distribution by Hazard



Disaster Risk Development Implications



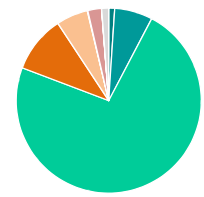
DRDI **70.09**

Ranking		
World	3	168
Region	1	51
Economy	1	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

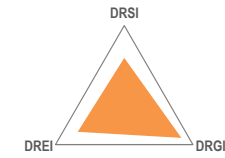
Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	973.4	1.4	1.41
	Middle low	17 278.1	52.0	3.01
	Middle high	84 918.7	339.5	4.00
	High	842 324.8	3 733.9	4.43
Services	Commercial	115 690.3	508.9	4.40
	Industrial	67 274.6	283.3	4.21
Education	Private	2 082.8	4.2	2.02
	Public	32 733.0	122.4	3.74
Health	Private	539.4	0.7	1.30
	Public	820.6	1.2	1.51
Government	Assets	18 592.6	61.7	3.32
	National	1 183 228.4	5 109.1	4.32
	Fiscal	53 119.6	186.7	3.51

AAL Distribution by Sector

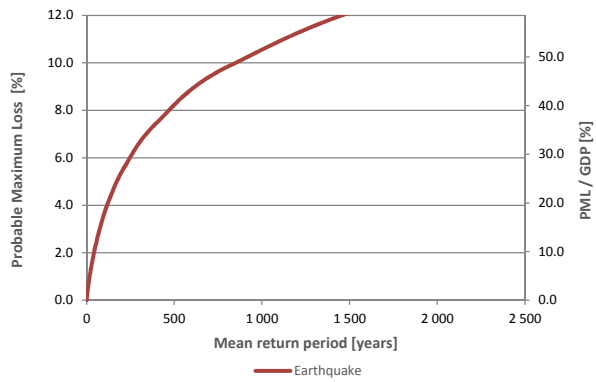


DRDI Components

Disaster Risk Social Implications			
AAL/SE	76391.70	**DRSI**	**59.3**
Disaster Risk Growth & Financial Implications			
AAL/TR	0.90	**DRGI**	**83.2**
AAL/GFCF	0.19		
Disaster Risk Economic Implications			
AAL/PC	0.00	**DREI**	**67.7**
AAL/GS	0.19		



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.19				0.002
(Fiscal)	0.01				0.0001
AAL/GNE	0.02				0.0002
(Fiscal)	0.001				0.00001
AAL/TR	0.89				0.01
(Fiscal)	0.04				0.0004
AAL/GFCF	0.19				0.002
(Fiscal)	0.01				0.0001
AAL/SE	75573.27				818.43
(Fiscal)	3552.71				36.83
PML250/GNE	0.17				
(Fiscal)	0.01				
PML250/GDP	0.17				
(Fiscal)	0.01				

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Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	105 897
- Urban	[%]	35.6
- Rural	[%]	64.4
Land area	[km²]	340.0
Pop.Density	[km²/Hab]	311.5
GINI	[value]	
HDI	[value]	0.74
Exposed Value	[million US$]	4 536
- Fiscal	[million US$]	237

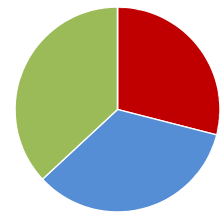
Economic Indicators

GDP Gross Domestic Product	[million US$]	835.6
GDP per capita	[US$]	7 890.5
GNE Gross National Expenditure	[million US$]	1 049.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	167.8
TR Total Reserves	[million US$]	150.6
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	6.4

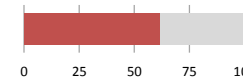
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	8.6	1.90	171.0	400.5	628.7	867.1
(Fiscal)	0.4	1.85	8.6	21.4	34.3	48.5
Cyclonic Wind	10.1	2.23	262.5	784.4	903.4	1 071.3
(Fiscal)	0.5	2.06	12.7	37.6	44.2	53.2
Storm Surge	11.0	2.41	324.7	753.2	921.7	972.5
(Fiscal)	0.6	2.49	17.7	40.6	50.7	52.4
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	29.7	6.54				
Fiscal	1.5	6.40				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **61.53**

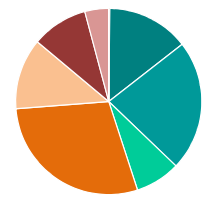
Ranking

SIDS Country **18** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	33.4	0.0	1.04
	Middle low	640.6	2.7	4.17
	Middle high	1 018.2	4.2	4.17
	High	355.6	1.5	4.13
Services	Commercial	1 287.1	5.4	4.18
	Industrial	553.8	2.3	4.17
Education	Private	439.9	1.8	4.16
	Public	200.2	0.8	3.88
Health	Private	3.6	0.0	0.00
	Public	3.8	0.0	0.00
Government	Assets			
	National	4 536.2	18.7	4.13
	Fiscal	237.4	0.8	3.42

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

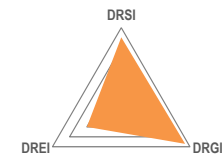
AAL/SE **DRSI** **70.4**

Disaster Risk Growth & Financial Implications

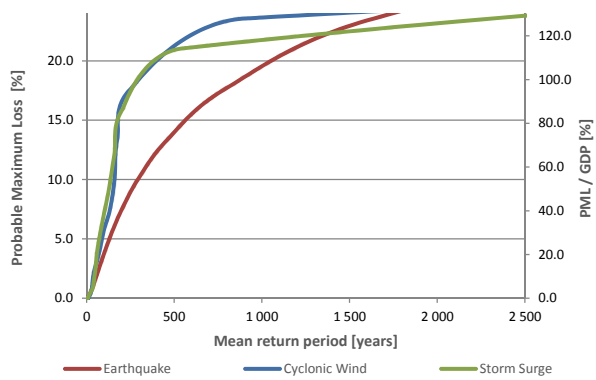
AAL/TR 0.20
AAL/GFCF 0.18
DRGI **74.3**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS
DREI **39.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE	0.01	0.01	0.01	
(Fiscal)	0.00	0.00	0.00	
AAL/TR	0.06	0.07	0.07	
(Fiscal)	0.00	0.00	0.00	
AAL/GFCF	0.05	0.06	0.07	
(Fiscal)	0.00	0.00	0.00	
AAL/SE				
(Fiscal)				
PML250/GNE	0.16	0.25	0.31	
(Fiscal)	0.01	0.01	0.02	
PML250/GDP	0.20	0.31	0.39	
(Fiscal)	0.01	0.02	0.02	

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Guadeloupe

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

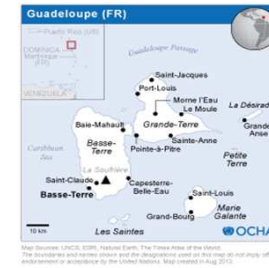
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	405 739
- Urban	[%]	98.5
- Rural	[%]	1.5
Land area	[km²]	1 628.0
Pop.Density	[km²/Hab]	249.2
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	41 119
- Fiscal	[million US$]	1 878

Economic Indicators

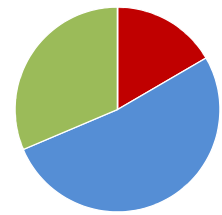
GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]



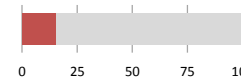
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	179.9	4.37	3 238.1	5 532.7	7 435.4	9 332.5
(Fiscal)	7.8	4.14	144.6	246.1	329.5	420.6
Cyclonic Wind	563.5	13.70	15 043.8	18 916.2	22 624.5	23 130.1
(Fiscal)	24.3	12.92	650.6	821.5	983.6	1 006.3
Storm Surge	340.0	8.27	5 973.1	6 945.3	7 560.2	7 560.9
(Fiscal)	14.6	7.75	255.6	294.3	325.0	325.0
Tsunami	---	---	---	---	---	---
(Fiscal)	0.0	0.02	0.0	0.4	4.7	9.4
National	1 083.4	26.35				
Fiscal	46.7	24.84				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **15.42**

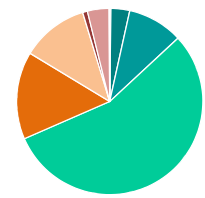
Ranking

SIDS Country	44	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	160.6	1.6	9.75
	Middle low	1 424.1	24.2	16.97
	Middle high	3 979.8	71.6	17.99
	High	22 367.6	411.5	18.40
Services	Commercial	6 217.4	113.1	18.19
	Industrial	4 782.5	86.5	18.09
Education	Private	450.5	6.2	13.73
	Public	1 647.5	28.2	17.11
Health	Private	19.1	0.0	2.56
	Public	70.0	0.4	6.32
Government	Assets			
	National	41 119.2	743.3	18.08
	Fiscal	1 878.1	30.2	16.08

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

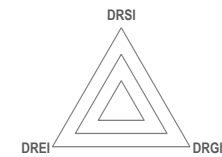
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

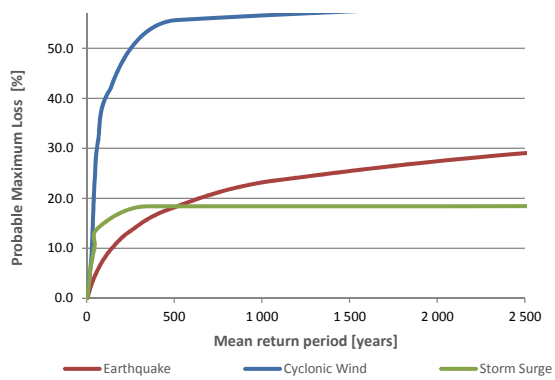
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.03
AAL/GS **DREI** **46.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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CAPRA Team

Guatemala

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	15 468 203
- Urban	[%]	50.7
- Rural	[%]	49.3
Land area	[km²]	107 160.0
Pop.Density	[km²/Hab]	144.3
GINI	[value]	52.30
HDI	[value]	0.63
Exposed Value	[million US$]	172 994
- Fiscal	[million US$]	40 106

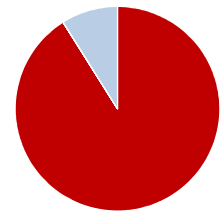
Economic Indicators

GDP Gross Domestic Product	[million US$]	53 796.7
GDP per capita	[US$]	3 477.9
GNE Gross National Expenditure	[million US$]	59 883.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	6 216.7
GFCF Gross Fixed Capital Formation	[million US$]	7 693.9
TR Total Reserves	[million US$]	7 269.2
Public spending on education	[% GDP]	2.9
Health Expenditure	[% GDP]	6.7

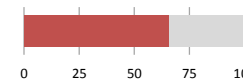
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	701.7	4.06	4 239.3	6 321.4	8 257.2	10 487.9
(Fiscal)	151.6	3.78	930.7	1 396.9	1 834.0	2 345.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	68.7	0.40				
(Fiscal)	15.0	0.37				
National	770.4	4.46				
Fiscal	166.6	4.15				

AAL Distribution by Hazard



Disaster Risk Development Implications



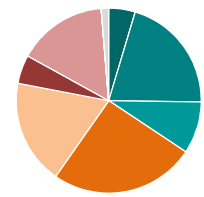
DRDI **65.83**

Ranking		
World	10	168
Region	3	46
Economy	4	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	9 594.5	32.4	3.38
	Middle low	33 654.1	144.8	4.30
	Middle high	16 376.8	63.9	3.90
	High			
Services	Commercial	41 752.2	178.1	4.26
	Industrial	30 904.1	128.4	4.15
Education	Private	10 139.3	35.3	3.48
	Public	26 303.5	110.1	4.19
Health	Private	61.7	0.0	0.09
	Public	32.3	0.0	0.06
Government	Assets	4 175.3	9.1	2.17
	National	172 993.9	701.9	4.06
	Fiscal	40 105.6	151.6	3.78

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

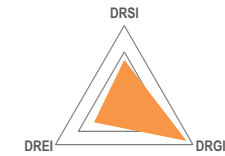
AAL/SE **DRSI** **65.4**

Disaster Risk Growth & Financial Implications

AAL/TR 0.11
AAL/GFCF 0.10
DRGI **67.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.12
DREI **64.6**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.11				0.01
(Fiscal)	0.02				0.002
AAL/GNE	0.01				0.001
(Fiscal)	0.00				0.0003
AAL/TR	0.10				0.01
(Fiscal)	0.02				0.002
AAL/GFCF	0.09				0.01
(Fiscal)	0.02				0.002
AAL/SE					
(Fiscal)					
PML250/GNE	0.07				
(Fiscal)	0.02				
PML250/GDP	0.08				
(Fiscal)	0.02				

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Guinea

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	11 745 189
- Urban	[%]	36.2
- Rural	[%]	63.8
Land area	[km²]	245 720.0
Pop.Density	[km²/Hab]	47.8
GINI	[value]	33.60
HDI	[value]	0.39
Exposed Value	[million US$]	13 671
- Fiscal	[million US$]	6 906

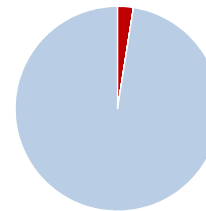
Economic Indicators

GDP Gross Domestic Product	[million US$]	6 144.1
GDP per capita	[US$]	523.1
GNE Gross National Expenditure	[million US$]	7 750.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	919.7
TR Total Reserves	[million US$]	182.6
Public spending on education	[% GDP]	2.5
Health Expenditure	[% GDP]	6.3

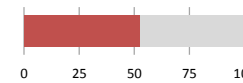
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.5	0.03	7.3	18.5	37.8	76.0
(Fiscal)	0.2	0.03	3.7	9.4	19.1	38.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	17.6	1.29				
(Fiscal)	10.5	1.52				
National	18.1	1.32				
Fiscal	10.7	1.55				

AAL Distribution by Hazard



Disaster Risk Development Implications



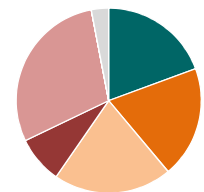
DRDI **52.83**

Ranking		
World	54	168
Region	15	57
Economy	23	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 644.7	0.0	0.01
	Middle low			
	Middle high			
	High			
Services	Commercial	2 636.7	0.0	0.01
	Industrial	2 829.6	0.0	0.01
Education	Private	1 295.2	0.0	0.01
	Public	3 733.0	0.0	0.01
Health	Private	3.7	0.0	0.00
	Public	0.5	0.0	0.00
Government	Assets	527.3	0.0	0.00
	National	13 670.6	0.1	0.01
	Fiscal	6 905.5	0.0	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

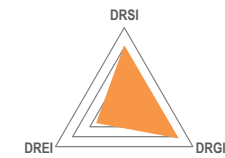
AAL/SE **DRSI** 62.2

Disaster Risk Growth & Financial Implications

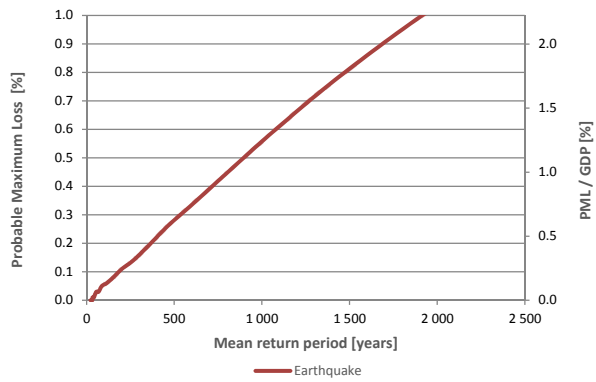
AAL/TR 0.10
AAL/GFCF 0.02 **DRGI** 63.6

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** 32.7



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.10
(Fiscal)	0.00				0.06
AAL/GFCF	0.00				0.02
(Fiscal)	0.00				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 704 255
- Urban	[%]	47.7
- Rural	[%]	52.3
Land area	[km²]	28 120.0
Pop.Density	[km²/Hab]	60.6
GINI	[value]	35.50
HDI	[value]	0.40
Exposed Value	[million US$]	2 029
- Fiscal	[million US$]	1 126

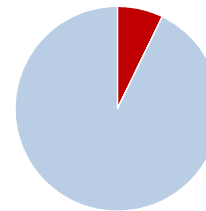
Economic Indicators

GDP Gross Domestic Product	[million US$]	960.8
GDP per capita	[US$]	563.8
GNE Gross National Expenditure	[million US$]	264.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	38.8
GFCF Gross Fixed Capital Formation	[million US$]	37.7
TR Total Reserves	[million US$]	186.3
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	5.9

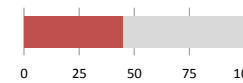
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.03	0.8	2.1	4.1	8.5
(Fiscal)	0.0	0.03	0.5	1.2	2.3	4.7
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	0.8	0.38				
(Fiscal)	0.5	0.44				
National	0.8	0.41				
Fiscal	0.5	0.46				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **44.9**

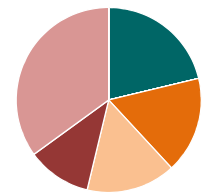
Ranking

SIDS country	29	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	430.8	0.0	0.01
	Middle low			
	Middle high			
	High			
Services	Commercial	347.4	0.0	0.01
	Industrial	310.5	0.0	0.01
Education	Private	244.1	0.0	0.01
	Public	695.1	0.0	0.01
Health	Private	1.1	0.0	0.00
	Public	0.4	0.0	0.00
Government	Assets			
National		2 029.5	0.0	0.01
Fiscal		1 126.4	0.0	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

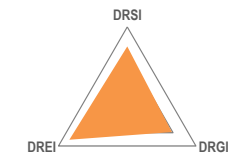
AAL/SE — DRSI **45.2**

Disaster Risk Growth & Financial Implications

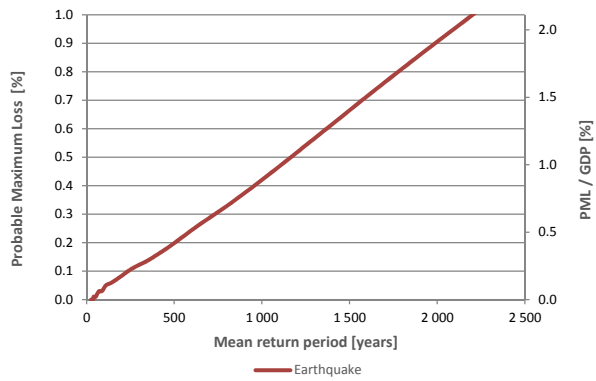
AAL/TR 0.00
AAL/GFCF 0.02 — DRGI **39.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 — DREI **50.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.02
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.02
(Fiscal)	0.00				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Guyana

Latin America and the Caribbean

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	799 613
- Urban	[%]	28.4
- Rural	[%]	71.6
Land area	[km²]	196 850.0
Pop.Density	[km²/Hab]	4.1
GINI	[value]	44.50
HDI	[value]	0.64
Exposed Value	[million US$]	8 078
- Fiscal	[million US$]	2 068

Economic Indicators

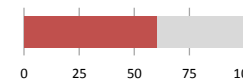
GDP Gross Domestic Product	[million US$]	2 990.1
GDP per capita	[US$]	3 739.5
GNE Gross National Expenditure	[million US$]	1 110.2
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	316.0
GFCF Gross Fixed Capital Formation	[million US$]	710.5
TR Total Reserves	[million US$]	783.6
Public spending on education	[% GDP]	3.2
Health Expenditure	[% GDP]	6.6

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	33.0	4.08				
(Fiscal)	8.3	3.99				
National	33.0	4.08				
Fiscal	8.3	3.99				

AAL Distribution by Hazard

Disaster Risk Development Implications



DRDI **60.43**

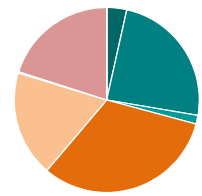
Ranking

SIDS country	19	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	440.4	0.002	0.004
	Middle low	1 932.4	0.01	0.01
	Middle high	194.4	0.001	0.004
	High			
Services	Commercial	2 357.4	0.01	0.01
	Industrial	1 489.1	0.01	0.01
Education	Private	33.8	0.0001	0.003
	Public	1 610.2	0.01	0.01
Health	Private	2.4	0.0	0.0
	Public	17.5	0.0	0.0
Government	Assets			
	National	8 077.6	0.05	0.01
	Fiscal	2 068.0	0.01	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

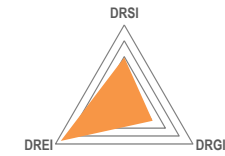
AAL/SE **DRSI** **59.9**

Disaster Risk Growth & Financial Implications

AAL/TR 0.04
AAL/GFCF 0.05
DRGI **58.1**

Disaster Risk Economic Implications

AAL/PC 0.004
AAL/GS 0.10
DREI **63.2**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.10
(Fiscal)					0.03
AAL/GNE					0.03
(Fiscal)					0.01
AAL/TR					0.04
(Fiscal)					0.01
AAL/GFCF					0.05
(Fiscal)					0.01
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Haiti

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Brief Country Risk Profile

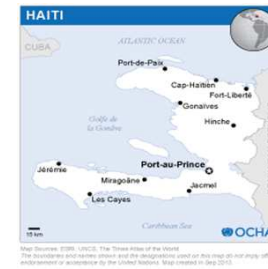
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	10 317 461
- Urban	[%]	56.2
- Rural	[%]	43.8
Land area	[km²]	27 560.0
Pop.Density	[km²/Hab]	374.4
GINI	[value]	59.20
HDI	[value]	0.47
Exposed Value	[million US$]	28 273
- Fiscal	[million US$]	5 218

Economic Indicators

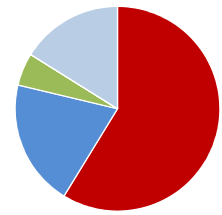
GDP Gross Domestic Product	[million US$]	8 459.3
GDP per capita	[US$]	819.9
GNE Gross National Expenditure	[million US$]	11 390.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 929.2
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	1 805.8
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	6.4



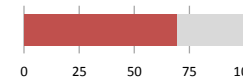
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	119.5	4.23	2 056.2	3 480.1	4 719.2	5 928.8
(Fiscal)	22.6	4.33	389.9	661.8	896.9	1 127.5
Cyclonic Wind	40.7	1.44	823.4	1 928.4	2 722.7	3 188.0
(Fiscal)	8.2	1.57	165.1	388.4	541.2	639.5
Storm Surge	10.5	0.37	138.2	213.5	258.6	302.6
(Fiscal)	2.1	0.40	27.5	42.8	52.0	59.4
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	32.8	1.16				
(Fiscal)	6.3	1.21				
National	203.5	7.20				
Fiscal	39.2	7.51				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **69.3**

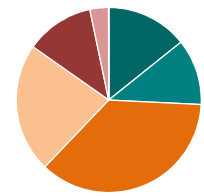
Ranking

SIDS country	12	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 060.7	22.8	5.61
	Middle low	3 336.3	18.4	5.53
	Middle high			
	High			
Services	Commercial	9 949.7	58.2	5.85
	Industrial	6 292.8	36.2	5.75
Education	Private	3 452.6	19.1	5.54
	Public	1 150.9	5.2	4.53
Health	Private	22.6	0.0	1.33
	Public	6.9	0.0	0.97
Government	Assets			
	National	28 272.6	160.0	5.66
	Fiscal	5 218.5	28.0	5.37

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **72.5**

Disaster Risk Growth & Financial Implications

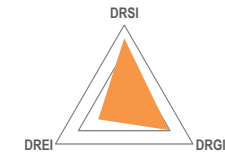
AAL/TR 0.11 **DRGI** **69.7**

AAL/GFCF

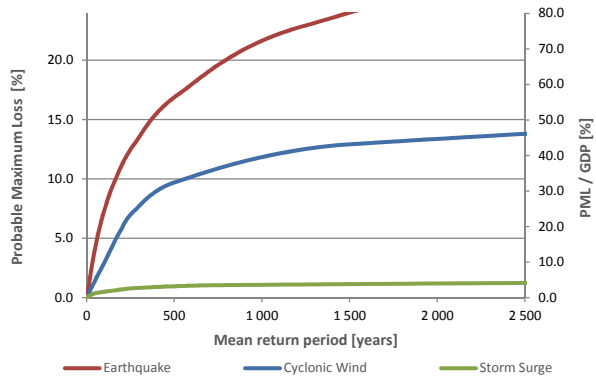
Disaster Risk Economic Implications

AAL/PC 0.01 **DREI** **65.7**

AAL/GS 0.11



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.06	0.02	0.01		0.02
(Fiscal)	0.01	0.00	0.00		0.00
AAL/GNE	0.01	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/TR	0.07	0.02	0.01		0.02
(Fiscal)	0.01	0.00	0.00		0.00
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE	0.18	0.07	0.01		
(Fiscal)	0.03	0.01	0.00		
PML250/GDP	0.24	0.10	0.02		
(Fiscal)	0.05	0.02	0.00		

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Honduras

Latin America and the Caribbean

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	8 097 688
- Urban	[%]	53.5
- Rural	[%]	46.5
Land area	[km²]	111 890.0
Pop.Density	[km²/Hab]	72.4
GINI	[value]	57.40
HDI	[value]	0.62
Exposed Value	[million US$]	78 016
- Fiscal	[million US$]	22 490

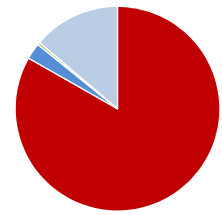
Economic Indicators

GDP Gross Domestic Product	[million US$]	18 550.0
GDP per capita	[US$]	2 290.8
GNE Gross National Expenditure	[million US$]	22 559.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	3 073.8
GFCF Gross Fixed Capital Formation	[million US$]	4 539.5
TR Total Reserves	[million US$]	3 008.4
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	8.6

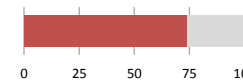
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	675.9	8.67	4 872.8	7 346.5	9 256.0	11 050.8
(Fiscal)	195.3	8.68	1 415.3	2 137.8	2 688.1	3 198.9
Cyclonic Wind	21.0	0.27	583.4	1 202.3	1 598.6	1 927.4
(Fiscal)	6.0	0.27	167.7	345.7	460.7	556.1
Storm Surge	3.4	0.04	66.3	83.8	96.8	110.0
(Fiscal)	1.0	0.04	19.3	24.5	28.3	32.7
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	112.0	1.44				
(Fiscal)	32.4	1.44				
National	812.2	10.42				
Fiscal	234.7	10.43				

AAL Distribution by Hazard



Disaster Risk Development Implications



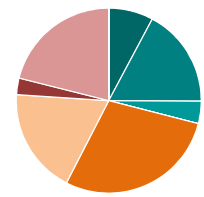
DRDI **73.74**

Ranking		
World	2	168
Region	1	46
Economy	1	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	6 325.8	54.4	8.60
	Middle low	13 237.5	120.4	9.10
	Middle high	3 422.7	27.2	7.95
	High			
Services	Commercial	21 804.5	198.9	9.12
	Industrial	14 363.8	128.6	8.96
Education	Private	2 676.7	20.2	7.54
	Public	16 132.5	146.7	9.10
Health	Private	21.0	0.0	1.55
	Public	31.8	0.1	1.72
Government	Assets			
	National	78 016.3	696.6	8.93
	Fiscal	22 490.2	201.2	8.95

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

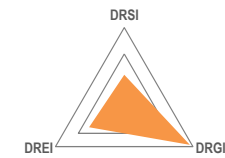
AAL/SE **DRSI** **72.4**

Disaster Risk Growth & Financial Implications

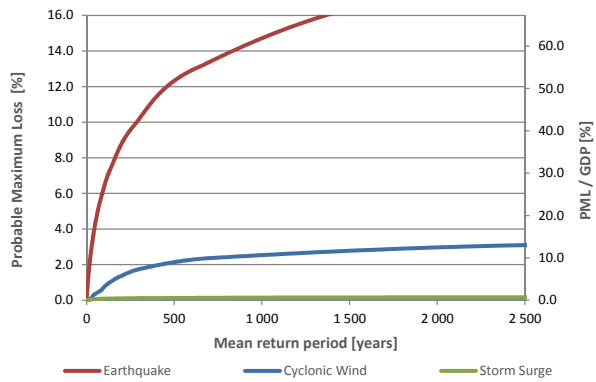
AAL/TR 0.27
AAL/GFCF 0.18 **DRGI** **75.7**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.26 **DREI** **73.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.22	0.01	0.00		0.04
(Fiscal)	0.06	0.00	0.00		0.01
AAL/GNE	0.03	0.00	0.00		0.00
(Fiscal)	0.01	0.00	0.00		0.00
AAL/TR	0.22	0.01	0.00		0.04
(Fiscal)	0.06	0.00	0.00		0.01
AAL/GFCF	0.15	0.00	0.00		0.02
(Fiscal)	0.04	0.00	0.00		0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.22	0.03	0.00		
(Fiscal)	0.06	0.01	0.00		
PML250/GDP	0.26	0.03	0.00		
(Fiscal)	0.08	0.01	0.00		

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Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

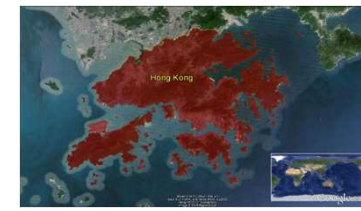
UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	7 187 500
- Urban	[%]	100.0
- Rural	[%]	0.0
Land area	[km²]	1 050.0
Pop.Density	[km²/Hab]	6 845.2
GINI	[value]	
HDI	[value]	0.89
Exposed Value	[million US$]	1 250 110
- Fiscal	[million US$]	52 407

Economic Indicators

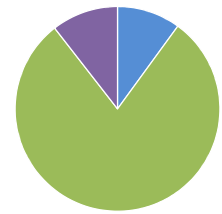
GDP Gross Domestic Product	[million US$]	274 012.8
GDP per capita	[US$]	38 123.5
GNE Gross National Expenditure	[million US$]	271 683.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	70 377.7
GFCF Gross Fixed Capital Formation	[million US$]	65 379.0
TR Total Reserves	[million US$]	311 209.7
Public spending on education	[% GDP]	3.5
Health Expenditure	[% GDP]	



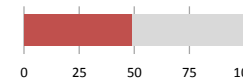
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	113.4	0.09	1 372.4	1 747.5	1 972.4	2 343.3
(Fiscal)	4.2	0.08	50.5	63.9	76.2	83.8
Storm Surge	898.2	0.72	9 688.1	11 340.8	11 759.2	12 595.9
(Fiscal)	74.3	1.42	694.1	775.4	788.1	813.6
Tsunami	119.1	0.10	444.4	3 814.9	11 819.2	27 682.7
(Fiscal)	7.3	0.14	72.6	356.1	867.8	1 715.2
National	1 130.7	0.90				
Fiscal	85.9	1.64				

AAL Distribution by Hazard



Disaster Risk Development Implications



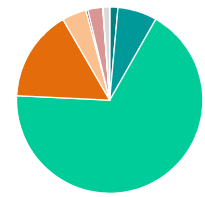
DRDI **49.16**

Ranking		
World	84	168
Region	28	48
Economy	12	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	950.3	0.1	0.06
	Middle low	17 105.7	1.7	0.10
	Middle high	83 510.6	8.3	0.10
	High	817 986.9	81.9	0.10
Services	Commercial	214 549.9	19.3	0.09
	Industrial	57 890.6	5.1	0.09
Education	Private	5 416.4	0.4	0.08
	Public	35 206.4	3.1	0.09
Health	Private	1 242.5	0.1	0.06
	Public	159.3	0.0	0.03
Government	Assets	16 091.3	1.4	0.09
	National	1 250 109.8	121.3	0.10
	Fiscal	52 407.3	4.6	0.09

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

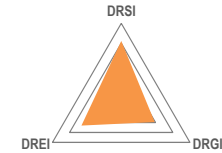
AAL/SE **DRSI** **62.3**

Disaster Risk Growth & Financial Implications

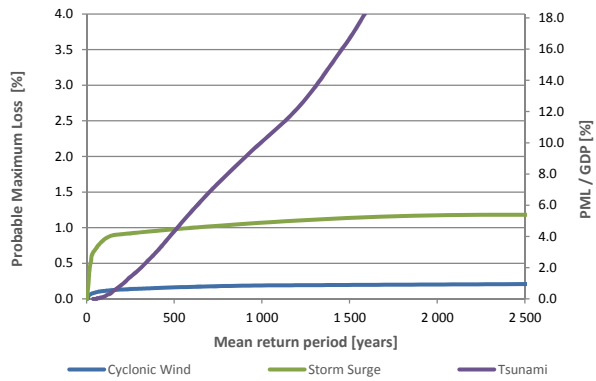
AAL/TR 0.00
AAL/GFCF 0.02
DRGI **39.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **46.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS		0.002	0.01	0.002
(Fiscal)		0.0001	0.001	0.0001
AAL/GNE		0.0004	0.003	0.0004
(Fiscal)		0.00002	0.0003	0.00003
AAL/TR		0.0004	0.003	0.0004
(Fiscal)		0.0000	0.0002	0.00002
AAL/GFCF		0.002	0.01	0.002
(Fiscal)		0.0001	0.001	0.0001
AAL/SE				
(Fiscal)				
PML250/GNE		0.01	0.04	0.002
(Fiscal)		0.0002	0.003	0.0003
PML250/GDP		0.01	0.04	0.002
(Fiscal)		0.0002	0.003	0.0003

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	9 897 247
- Urban	[%]	70.3
- Rural	[%]	29.7
Land area	[km²]	90 530.0
Pop.Density	[km²/Hab]	109.3
GINI	[value]	28.90
HDI	[value]	0.82
Exposed Value	[million US$]	562 950
- Fiscal	[million US$]	60 966

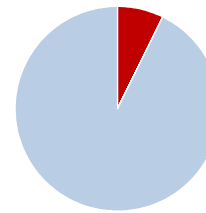
Economic Indicators

GDP Gross Domestic Product	[million US$]	133 423.9
GDP per capita	[US$]	13 480.9
GNE Gross National Expenditure	[million US$]	123 292.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	28 128.4
GFCF Gross Fixed Capital Formation	[million US$]	26 595.4
TR Total Reserves	[million US$]	46 508.0
Public spending on education	[% GDP]	4.7
Health Expenditure	[% GDP]	7.8

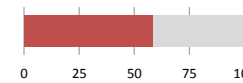
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	123.2	0.22	1 247.4	2 629.1	4 348.7	6 733.5
(Fiscal)	12.7	0.21	128.6	271.1	449.0	695.1
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	1 564.1	2.78				
(Fiscal)	160.5	2.63				
National	1 687.3	3.00				
Fiscal	173.3	2.84				

AAL Distribution by Hazard



Disaster Risk Development Implications



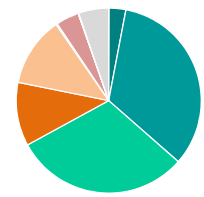
DRDI **58.37**

Ranking		
World	30	168
Region	3	51
Economy	4	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 121.6	0.1	0.06
	Middle low	19 709.2	3.6	0.18
	Middle high	181 866.9	41.2	0.23
	High	165 110.0	37.7	0.23
Services	Commercial	63 669.7	13.7	0.21
	Industrial	68 277.3	15.0	0.22
Education	Private	2 814.5	0.3	0.10
	Public	25 980.6	5.0	0.19
Health	Private	536.3	0.0	0.04
	Public	1 252.3	0.1	0.06
Government	Assets	32 611.3	6.5	0.20
	National	562 949.8	123.2	0.22
	Fiscal	60 965.8	11.6	0.19

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

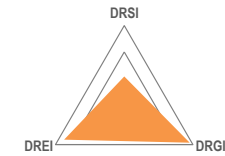
AAL/SE **DRSI** **56.2**

Disaster Risk Growth & Financial Implications

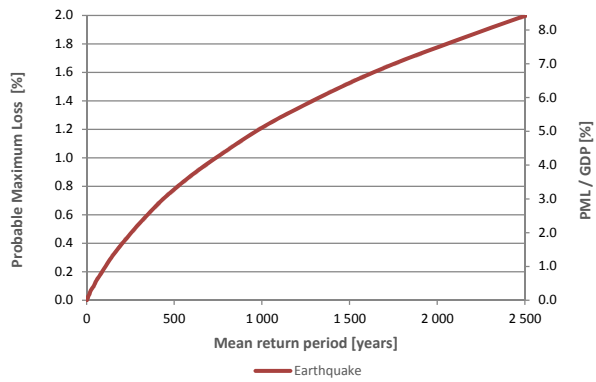
AAL/TR 0.04
AAL/GFCF 0.06
DRGI **59.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.06
DREI **59.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.06
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.01
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.03
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.06
(Fiscal)	0.00				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	323 002
- Urban	[%]	93.9
- Rural	[%]	6.1
Land area	[km²]	100 250.0
Pop.Density	[km²/Hab]	3.2
GINI	[value]	26.30
HDI	[value]	0.89
Exposed Value	[million US$]	57 300
- Fiscal	[million US$]	2 337

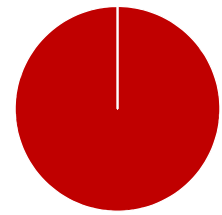
Economic Indicators

GDP Gross Domestic Product	[million US$]	15 330.1
GDP per capita	[US$]	47 461.2
GNE Gross National Expenditure	[million US$]	14 052.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 698.6
GFCF Gross Fixed Capital Formation	[million US$]	2 314.2
TR Total Reserves	[million US$]	4 237.7
Public spending on education	[% GDP]	7.6
Health Expenditure	[% GDP]	9.1

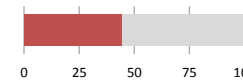
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	31.5	0.55	497.4	1 044.0	1 622.1	2 371.7
(Fiscal)	1.3	0.54	20.1	42.2	65.7	96.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	31.5	0.55				
Fiscal	1.3	0.54				

AAL Distribution by Hazard



Disaster Risk Development Implications



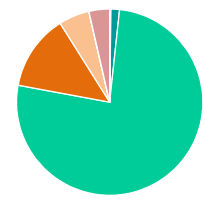
DRDI **44.56**

Ranking		
World	114	168
Region	23	51
Economy	18	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

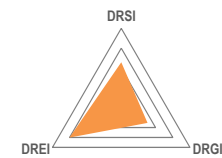
Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	13.9	0.0	0.03
	Middle low	241.6	0.1	0.26
	Middle high	1 024.7	0.5	0.46
	High	42 508.6	24.0	0.56
Services	Commercial	7 807.1	4.1	0.53
	Industrial	3 269.2	1.7	0.51
Education	Private	101.1	0.0	0.07
	Public	2 271.2	1.1	0.50
Health	Private	10.9	0.0	0.02
	Public	51.5	0.0	0.04
Government	Assets			
National		57 299.8	31.5	0.55
Fiscal		2 336.6	1.1	0.48

AAL Distribution by Sector

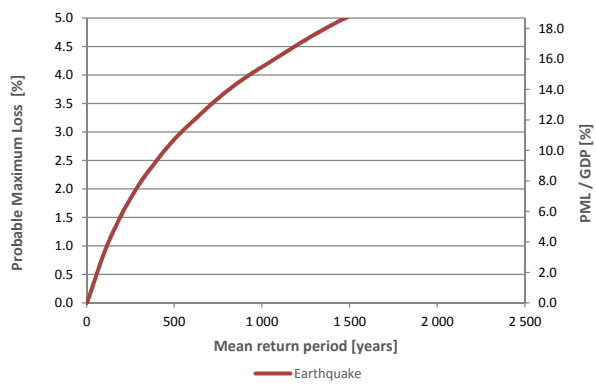


DRDI Components

Disaster Risk Social Implications			
AAL/SE		**DRSI**	**44.6**
Disaster Risk Growth & Financial Implications			
AAL/TR	0.01	**DRGI**	**43.1**
AAL/GFCF	0.01		
Disaster Risk Economic Implications			
AAL/PC	0.00	**DREI**	**46.0**
AAL/GS	0.02		



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.02			
(Fiscal)	0.00			
AAL/GNE	0.00			
(Fiscal)	0.00			
AAL/TR	0.01			
(Fiscal)	0.00			
AAL/GFCF	0.01			
(Fiscal)	0.00			
AAL/SE				
(Fiscal)				
PML250/GNE	0.04			
(Fiscal)	0.00			
PML250/GDP	0.03			
(Fiscal)	0.00			

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CAPRA Team

India

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 252 139 648
- Urban	[%]	32.0
- Rural	[%]	68.0
Land area	[km²]	2 973 190.0
Pop.Density	[km²/Hab]	421.1
GINI	[value]	33.60
HDI	[value]	0.59
Exposed Value	[million US$]	5 884 841
- Fiscal	[million US$]	1 365 609

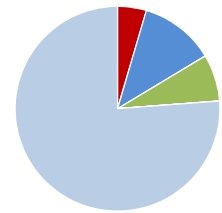
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 876 797.2
GDP per capita	[US$]	1 498.9
GNE Gross National Expenditure	[million US$]	1 944 284.8
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	563 663.1
GFCF Gross Fixed Capital Formation	[million US$]	530 741.7
TR Total Reserves	[million US$]	298 092.5
Public spending on education	[% GDP]	3.3
Health Expenditure	[% GDP]	4.1

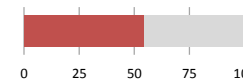
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	446.6	0.08	2 773.4	5 773.7	9 140.5	13 521.6
(Fiscal)	115.0	0.08	2 008.1	4 101.6	6 448.9	9 458.4
Cyclonic Wind	1 160.4	0.20	19 632.5	24 092.7	26 976.2	30 942.6
(Fiscal)	1 655.8	1.21	10 621.3	12 111.0	13 230.0	13 267.8
Storm Surge	726.9	0.13	4 526.7	5 171.9	5 540.0	5 540.0
(Fiscal)	176.2	0.13	995.4	1 120.0	1 120.0	1 120.0
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	7 471.8	1.30				
(Fiscal)	---	---				
National	9 805.7	1.70				
Fiscal	1 947.0	1.43				

AAL Distribution by Hazard



Disaster Risk Development Implications



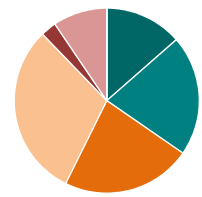
DRDI **54.36**

Ranking		
World	43	168
Region	16	48
Economy	18	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	725 054.8	216.4	0.30
	Middle low	1 081 117.0	336.3	0.31
	Middle high			
	High			
Services	Commercial	1 382 413.0	362.9	0.26
	Industrial	1 813 619.0	486.3	0.27
Education	Private	239 256.2	43.8	0.18
	Public	639 336.3	151.2	0.24
Health	Private	2 827.0	0.1	0.02
	Public	1 217.8	0.0	0.01
Government	Assets			
	National	5 884 841.1	1 596.9	0.27
	Fiscal	1 365 608.9	367.6	0.27

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

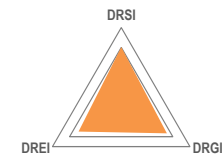
AAL/SE 88399.11 **DRSI** **60.3**

Disaster Risk Growth & Financial Implications

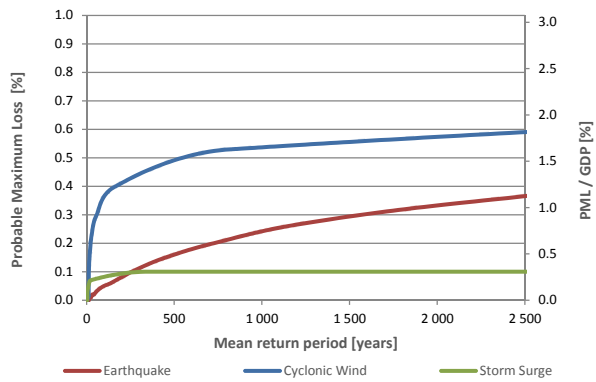
AAL/TR 0.03
AAL/GFCF 0.02 **DRGI** **53.1**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 **DREI** **49.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.001	0.002	0.001		0.01
(Fiscal)	0.0002	0.003	0.0003		
AAL/GNE	0.0002	0.001	0.0004		0.004
(Fiscal)	0.0001	0.001	0.0001		
AAL/TR	0.001	0.004	0.002		0.03
(Fiscal)	0.0004	0.01	0.001		
AAL/GFCF	0.001	0.002	0.001		0.01
(Fiscal)	0.0002	0.003	0.0003		
AAL/SE	4025.67	10461.42	6553.22		67358.81
(Fiscal)	1036.82	14927.29	1588.00		
PML250/GNE	0.001	0.01	0.002		
(Fiscal)	0.001	0.01	0.001		
PML250/GDP	0.001	0.01	0.002		
(Fiscal)	0.001	0.01	0.001		

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CAPRA Team

Indonesia

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	249 865 632
- Urban	[%]	52.3
- Rural	[%]	47.7
Land area	[km²]	1 811 570.0
Pop.Density	[km²/Hab]	137.9
GINI	[value]	38.10
HDI	[value]	0.68
Exposed Value	[million US$]	2 847 512
- Fiscal	[million US$]	588 935

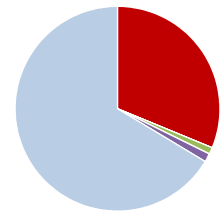
Economic Indicators

GDP Gross Domestic Product	[million US$]	868 345.6
GDP per capita	[US$]	3 475.3
GNE Gross National Expenditure	[million US$]	885 677.2
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	269 037.1
GFCF Gross Fixed Capital Formation	[million US$]	274 943.8
TR Total Reserves	[million US$]	99 386.8
Public spending on education	[% GDP]	3.6
Health Expenditure	[% GDP]	3.0

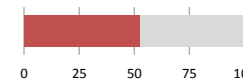
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1 116.0	0.39	13 637.6	27 129.9	43 214.8	65 893.7
(Fiscal)	240.9	0.41	2 919.9	5 734.3	9 133.0	13 839.5
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	37.9	0.01	481.0	481.0	481.1	481.1
(Fiscal)	8.4	0.01	105.0	105.0	105.0	105.0
Tsunami	48.2	0.02	924.0	2 835.8	4 549.7	6 683.4
(Fiscal)	10.5	0.02	204.0	606.9	973.5	1 444.8
Flood	2 372.5	0.84				
(Fiscal)	520.9	0.88				
National	3 574.5	1.26				
Fiscal	780.7	1.33				

AAL Distribution by Hazard



Disaster Risk Development Implications



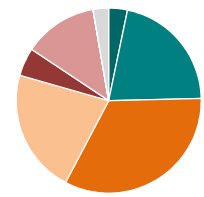
DRDI **52.51**

Ranking		
World	56	168
Region	20	48
Economy	18	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	105 984.3	36.9	0.35
	Middle low	564 673.2	242.7	0.43
	Middle high			
	High			
Services	Commercial	913 461.0	375.3	0.41
	Industrial	615 619.3	246.3	0.40
Education	Private	164 385.4	55.9	0.34
	Public	380 940.6	146.7	0.39
Health	Private	437.5	0.0	0.05
	Public	525.0	0.0	0.06
Government	Assets	101 485.5	30.9	0.30
	National	2 847 511.8	1 134.7	0.40
	Fiscal	588 935.4	214.5	0.36

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

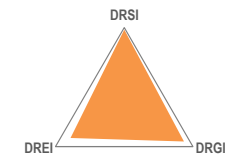
AAL/SE 66511.72 **DRSI** **58.4**

Disaster Risk Growth & Financial Implications

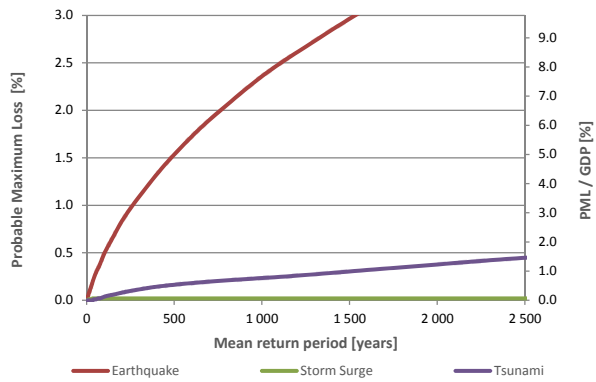
AAL/TR 0.04
AAL/GFCF 0.01 **DRGI** **52.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **46.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00		0.00	0.00	0.01
(Fiscal)	0.00		0.00	0.00	0.00
AAL/GNE	0.00		0.00	0.00	0.00
(Fiscal)	0.00		0.00	0.00	0.00
AAL/TR	0.01		0.00	0.00	0.02
(Fiscal)	0.00		0.00	0.00	0.01
AAL/GFCF	0.00		0.00	0.00	0.01
(Fiscal)	0.00		0.00	0.00	0.00
AAL/SE	20765.97		704.47	895.94	44145.33
(Fiscal)	4482.13		156.67	195.56	9693.12
PML250/GNE	0.02		0.00	0.00	
(Fiscal)	0.00		0.00	0.00	
PML250/GDP	0.02		0.00	0.00	
(Fiscal)	0.00		0.00	0.00	

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CAPRA Team

Iran

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	77 447 168
- Urban	[%]	72.3
- Rural	[%]	27.7
Land area	[km²]	1 628 550.0
Pop.Density	[km²/Hab]	47.6
GINI	[value]	38.20
HDI	[value]	0.75
Exposed Value	[million US$]	2 087 248
- Fiscal	[million US$]	372 429

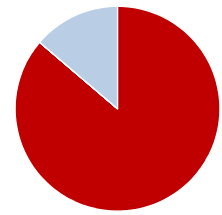
Economic Indicators

GDP Gross Domestic Product	[million US$]	368 904.3
GDP per capita	[US$]	4 763.3
GNE Gross National Expenditure	[million US$]	255 619.3
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	39 249.2
GFCF Gross Fixed Capital Formation	[million US$]	73 681.6
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	3.6
Health Expenditure	[% GDP]	6.7

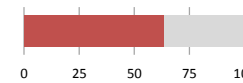
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	4 190.9	2.03	22 842.2	37 344.8	51 602.1	69 184.3
(Fiscal)	783.0	2.10	4 216.9	6 866.6	9 439.4	12 607.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	668.3	0.32				
(Fiscal)	133.6	0.36				
National	4 859.2	2.35				
Fiscal	916.6	2.46				

AAL Distribution by Hazard



Disaster Risk Development Implications



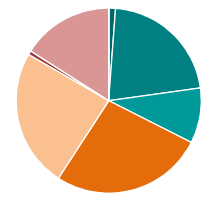
DRDI **63.41**

Ranking		
World	15	168
Region	8	48
Economy	8	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	30 809.8	49.2	1.60
	Middle low	431 850.6	906.5	2.10
	Middle high	202 430.8	404.6	2.00
	High			
Services	Commercial	554 701.8	1 118.9	2.02
	Industrial	504 829.3	1 012.6	2.01
Education	Private	20 055.0	29.1	1.45
	Public	340 862.9	669.1	1.96
Health	Private	952.0	0.5	0.53
	Public	756.2	0.3	0.44
Government	Assets			
	National	2 087 248.5	4 190.9	2.01
	Fiscal	372 429.0	718.6	1.93

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE 77396.18 **DRSI** **59.4**

Disaster Risk Growth & Financial Implications

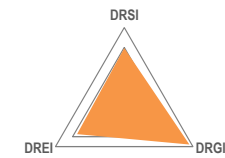
AAL/TR

AAL/GFCF 0.07 **DRGI** **75.9**

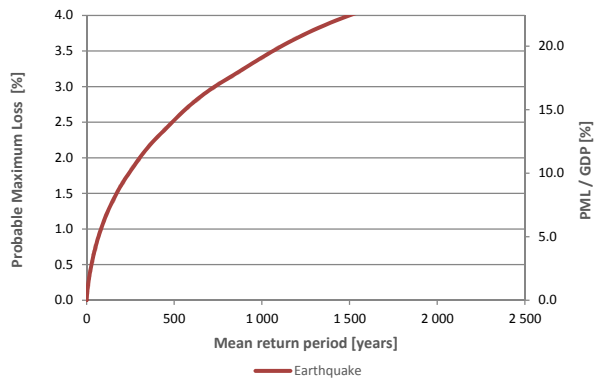
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS 0.12 **DREI** **54.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.11				0.02
(Fiscal)	0.02				0.00
AAL/GNE	0.02				0.00
(Fiscal)	0.00				0.00
AAL/TR					
(Fiscal)					
AAL/GFCF	0.06				0.01
(Fiscal)	0.01				0.00
AAL/SE	66752.20				10643.97
(Fiscal)	12472.18				2127.33
PML250/GNE	0.09				
(Fiscal)	0.02				
PML250/GDP	0.06				
(Fiscal)	0.01				

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CAPRA Team

Iraq

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

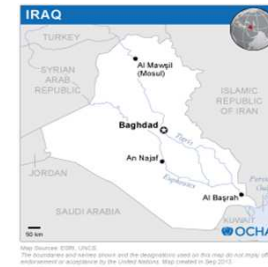
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	33 417 476
- Urban	[%]	69.3
- Rural	[%]	30.7
Land area	[km²]	434 320.0
Pop.Density	[km²/Hab]	76.9
GINI	[value]	29.50
HDI	[value]	0.64
Exposed Value	[million US$]	132 552
- Fiscal	[million US$]	43 383

Economic Indicators

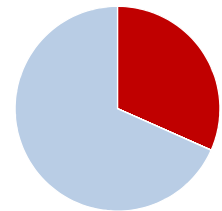
GDP Gross Domestic Product	[million US$]	229 327.3
GDP per capita	[US$]	6 862.5
GNE Gross National Expenditure	[million US$]	226 497.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	65 764.3
GFCF Gross Fixed Capital Formation	[million US$]	35 983.2
TR Total Reserves	[million US$]	77 747.3
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	3.6



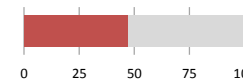
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	159.4	1.20	1 536.8	2 888.2	4 334.2	6 064.0
(Fiscal)	51.8	1.19	501.6	943.1	1 414.9	1 980.9
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	344.3	2.60				
(Fiscal)	111.4	2.57				
National	503.8	3.80				
Fiscal	163.3	3.76				

AAL Distribution by Hazard



Disaster Risk Development Implications



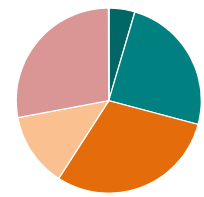
DRDI **47.32**

Ranking		
World	94	168
Region	32	12
Economy	28	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	6 627.6	7.3	1.10
	Middle low	32 305.7	39.2	1.21
	Middle high			
	High			
Services	Commercial	39 280.0	47.8	1.22
	Industrial	17 551.1	20.6	1.18
Education	Private			
	Public	36 689.5	44.5	1.21
Health	Private	32.3	0.009	0.29
	Public	65.6	0.03	0.48
Government	Assets			
	National	132 551.7	159.4	1.20
	Fiscal	43 382.7	51.8	1.19

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

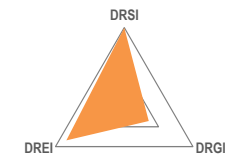
AAL/SE **DRSI** **50.0**

Disaster Risk Growth & Financial Implications

AAL/TR 0.01
AAL/GFCF 0.01
DRGI **43.6**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **48.4**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.002				0.01
(Fiscal)	0.001				0.002
AAL/GNE	0.001				0.002
(Fiscal)	0.0002				0.0005
AAL/TR	0.002				0.004
(Fiscal)	0.001				0.001
AAL/GFCF	0.004				0.01
(Fiscal)	0.001				0.003
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.002				
PML250/GDP	0.01				
(Fiscal)	0.002				

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Ireland

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	4 595 281
- Urban	[%]	62.7
- Rural	[%]	37.3
Land area	[km²]	68 890.0
Pop.Density	[km²/Hab]	66.7
GINI	[value]	32.00
HDI	[value]	0.90
Exposed Value	[million US$]	779 224
- Fiscal	[million US$]	50 461

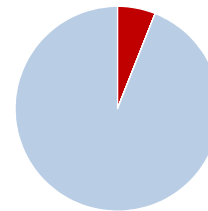
Economic Indicators

GDP Gross Domestic Product	[million US$]	232 077.4
GDP per capita	[US$]	50 503.4
GNE Gross National Expenditure	[million US$]	183 798.1
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	40 223.4
GFCF Gross Fixed Capital Formation	[million US$]	35 221.5
TR Total Reserves	[million US$]	1 636.0
Public spending on education	[% GDP]	6.2
Health Expenditure	[% GDP]	8.1

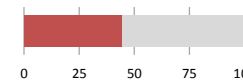
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	12.7	0.02	304.0	587.4	871.7	1 226.1
(Fiscal)	0.7	0.01	16.6	31.9	47.7	67.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	199.3	0.26				
(Fiscal)	11.7	0.23				
National	212.0	0.27				
Fiscal	12.4	0.25				

AAL Distribution by Hazard



Disaster Risk Development Implications



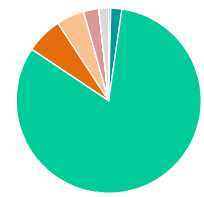
DRDI **44.36**

Ranking		
World	115	168
Region	24	51
Economy	19	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	243.4	0.0	0.01
	Middle low	4 247.4	0.1	0.01
	Middle high	17 932.7	0.3	0.02
	High	591 293.1	12.3	0.02
Services	Commercial	63 986.1	1.0	0.01
	Industrial	50 794.8	0.7	0.01
Education	Private	322.7	0.0	0.00
	Public	29 526.1	0.4	0.01
Health	Private	185.9	0.0	0.00
	Public	617.7	0.0	0.00
Government	Assets	20 074.0	0.3	0.01
	National	779 223.9	15.0	0.02
	Fiscal	50 461.1	0.7	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

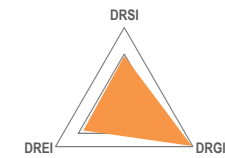
AAL/SE 3257.04 **DRSI** **38.5**

Disaster Risk Growth & Financial Implications

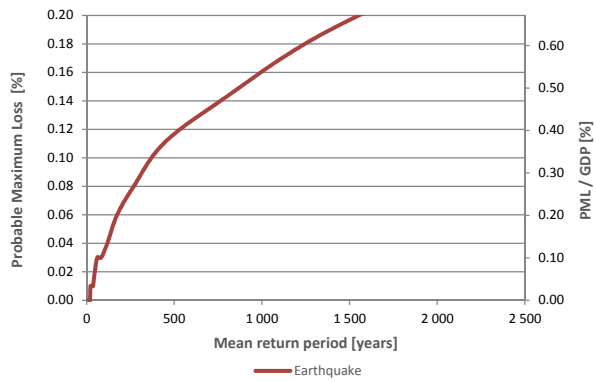
AAL/TR 0.13
AAL/GFCF 0.01 **DRGI** **58.9**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **35.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.12
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE	195.45				3061.59
(Fiscal)	10.60				179.62
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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CAPRA Team

Israel

Asia

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	8 059 400
- Urban	[%]	92.0
- Rural	[%]	8.0
Land area	[km²]	21 640.0
Pop.Density	[km²/Hab]	372.4
GINI	[value]	42.70
HDI	[value]	0.89
Exposed Value	[million US$]	853 888
- Fiscal	[million US$]	65 418

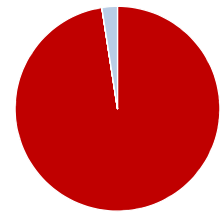
Economic Indicators

GDP Gross Domestic Product	[million US$]	290 550.6
GDP per capita	[US$]	36 051.1
GNE Gross National Expenditure	[million US$]	286 558.4
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	54 129.5
GFCF Gross Fixed Capital Formation	[million US$]	56 565.7
TR Total Reserves	[million US$]	81 785.5
Public spending on education	[% GDP]	5.6
Health Expenditure	[% GDP]	7.5

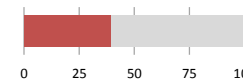
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	381.3	0.45	4 479.8	11 874.3	22 096.1	37 685.3
(Fiscal)	28.6	0.44	333.8	886.6	1 653.5	2 825.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	9.5	0.01				
(Fiscal)	---	---				
National	390.8	0.46				
Fiscal	28.6	0.44				

AAL Distribution by Hazard



Disaster Risk Development Implications



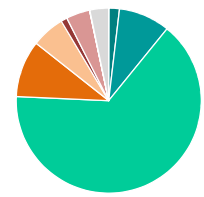
DRDI **39.24**

Ranking		
World	134	168
Region	40	51
Economy	27	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	898.1	0.2	0.25
	Middle low	15 924.7	6.9	0.43
	Middle high	76 962.8	34.3	0.45
	High	550 410.5	247.2	0.45
Services	Commercial	84 796.7	37.9	0.45
	Industrial	49 818.6	22.1	0.44
Education	Private	10 022.9	4.2	0.42
	Public	35 535.6	15.8	0.44
Health	Private	533.3	0.1	0.21
	Public	718.7	0.2	0.23
Government	Assets	28 265.6	12.5	0.44
	National	853 887.5	381.3	0.45
	Fiscal	65 418.1	28.6	0.44

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

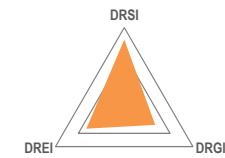
AAL/SE 6195.43 **DRSI** **42.7**

Disaster Risk Growth & Financial Implications

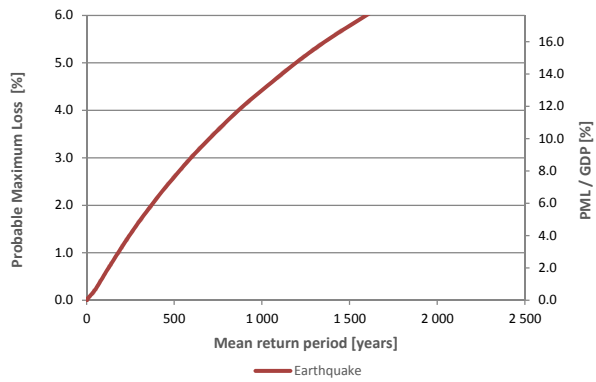
AAL/TR 0.00
AAL/GFCF 0.01 **DRGI** **36.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **38.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.00
(Fiscal)	0.00				
AAL/GNE	0.00				0.00
(Fiscal)	0.00				
AAL/TR	0.00				0.00
(Fiscal)	0.00				
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				
AAL/SE	6044.53				150.91
(Fiscal)	453.20				
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.02				
(Fiscal)	0.00				

Italy

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	59 831 092
- Urban	[%]	68.7
- Rural	[%]	31.3
Land area	[km²]	294 140.0
Pop.Density	[km²/Hab]	203.4
GINI	[value]	35.50
HDI	[value]	0.87
Exposed Value	[million US$]	8 645 785
- Fiscal	[million US$]	450 522

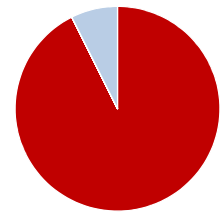
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 149 484.5
GDP per capita	[US$]	35 925.9
GNE Gross National Expenditure	[million US$]	2 100 502.9
SE Social Expenditure	[million US$]	0.7
GS Gross Savings	[million US$]	382 960.8
GFCF Gross Fixed Capital Formation	[million US$]	383 197.9
TR Total Reserves	[million US$]	145 724.5
Public spending on education	[% GDP]	4.3
Health Expenditure	[% GDP]	9.2

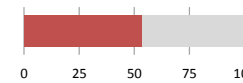
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	9 772.9	1.14	96 882.9	159 049.4	213 350.2	276 426.9
(Fiscal)	480.3	1.07	4 827.5	7 949.6	10 686.1	13 830.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	777.4	0.09				
(Fiscal)	37.6	0.08				
National	10 550.2	1.23				
Fiscal	517.9	1.15				

AAL Distribution by Hazard



Disaster Risk Development Implications



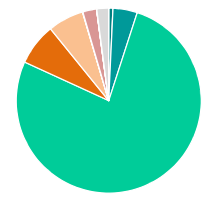
DRDI **53.32**

Ranking		
World	52	168
Region	9	51
Economy	6	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 927.7	0.7	0.14
	Middle low	88 701.0	70.4	0.79
	Middle high	387 491.1	416.3	1.07
	High	6 506 534.0	7 510.4	1.15
Services	Commercial	643 305.8	713.8	1.11
	Industrial	553 441.8	614.0	1.11
Education	Private	14 019.0	4.2	0.30
	Public	234 324.2	237.9	1.02
Health	Private	1 770.1	0.1	0.03
	Public	5 407.7	0.8	0.15
Government	Assets	205 862.2	204.4	0.99
	National	8 645 784.5	9 772.9	1.13
	Fiscal	450 521.7	443.7	0.98

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

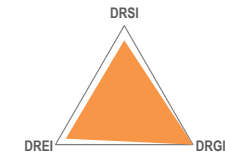
AAL/SE 15868.30 **DRSI** **48.9**

Disaster Risk Growth & Financial Implications

AAL/TR 0.07
AAL/GFCF 0.03 **DRGI** **60.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03 **DREI** **51.0**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.03				0.002
(Fiscal)	0.001				0.0001
AAL/GNE	0.005				0.0004
(Fiscal)	0.0002				0.00002
AAL/TR	0.07				0.01
(Fiscal)	0.003				0.0003
AAL/GFCF	0.03				0.002
(Fiscal)	0.001				0.0001
AAL/SE	14699.08				1169.22
(Fiscal)	722.39				56.60
PML250/GNE	0.05				
(Fiscal)	0.002				
PML250/GDP	0.05				
(Fiscal)	0.002				

Ivory Coast

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	20 316 086
- Urban	[%]	52.8
- Rural	[%]	47.2
Land area	[km²]	318 000.0
Pop.Density	[km²/Hab]	63.9
GINI	[value]	43.10
HDI	[value]	0.45
Exposed Value	[million US$]	45 551
- Fiscal	[million US$]	14 004

Economic Indicators

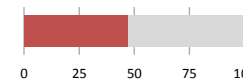
GDP Gross Domestic Product	[million US$]	31 062.0
GDP per capita	[US$]	1 528.9
GNE Gross National Expenditure	[million US$]	31 142.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	4 171.0
GFCF Gross Fixed Capital Formation	[million US$]	5 292.2
TR Total Reserves	[million US$]	4 242.7
Public spending on education	[% GDP]	4.6
Health Expenditure	[% GDP]	7.1

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	44.4	0.98				
(Fiscal)	15.6	1.12				
National	44.4	0.98				
Fiscal	15.6	1.12				

AAL Distribution by Hazard

Disaster Risk Development Implications



DRDI **47.01**

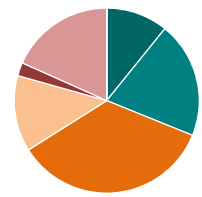
Ranking

World	98	168
Region	28	57
Economy	34	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	5 427.8	0.0	0.00
	Middle low	9 239.0	0.0	0.00
	Middle high			
	High			
Services	Commercial	13 911.5	0.0	0.00
	Industrial	6 509.6	0.0	0.00
Education	Private	1 875.7	0.0	0.00
	Public	8 574.7	0.0	0.00
Health	Private	10.4	0.0	0.00
	Public	2.0	0.0	0.00
Government	Assets			
	National	45 550.6	0.1	0.00
	Fiscal	14 004.5	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

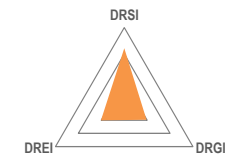
AAL/SE **DRSI** **51.1**

Disaster Risk Growth & Financial Implications

AAL/TR 0.01
AAL/GFCF 0.01 **DRGI** **44.9**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **45.1**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.01
(Fiscal)					0.00
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.01
(Fiscal)					0.00
AAL/GFCF					0.01
(Fiscal)					0.00
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Jamaica

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 715 000
- Urban	[%]	54.3
- Rural	[%]	45.7
Land area	[km²]	10 830.0
Pop.Density	[km²/Hab]	250.7
GINI	[value]	45.50
HDI	[value]	0.71
Exposed Value	[million US$]	70 715
- Fiscal	[million US$]	10 291

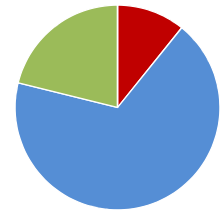
Economic Indicators

GDP Gross Domestic Product	[million US$]	14 362.3
GDP per capita	[US$]	5 290.0
GNE Gross National Expenditure	[million US$]	18 131.2
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 219.5
GFCF Gross Fixed Capital Formation	[million US$]	2 908.1
TR Total Reserves	[million US$]	1 818.4
Public spending on education	[% GDP]	6.1
Health Expenditure	[% GDP]	5.9

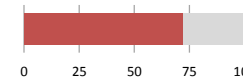
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	48.8	0.69	1 107.0	2 816.1	4 616.1	6 760.9
(Fiscal)	6.8	0.66	151.5	398.3	668.4	984.6
Cyclonic Wind	307.5	4.35	8 582.3	17 505.3	21 890.1	23 464.1
(Fiscal)	42.4	4.12	1 179.9	2 417.7	3 034.3	3 245.3
Storm Surge	95.4	1.35	1 373.0	1 727.2	1 821.3	2 009.5
(Fiscal)	13.5	1.31	195.0	244.9	257.9	283.9
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	451.7	6.39				
Fiscal	62.7	6.09				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **72.21**

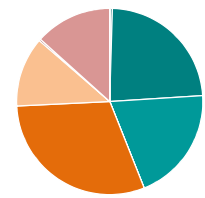
Ranking

SIDS Country	10	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	824.2	1.7	2.01
	Middle low	16 241.1	83.8	5.16
	Middle high	13 957.7	71.2	5.10
	High			
Services	Commercial	20 888.1	107.8	5.16
	Industrial	8 672.3	43.2	4.99
Education	Private	625.1	1.1	1.71
	Public	9 424.5	47.5	5.04
Health	Private	39.4	0.0	0.19
	Public	42.3	0.0	0.19
Government	Assets			
National		70 714.8	356.2	5.04
Fiscal		10 291.1	49.2	4.78

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

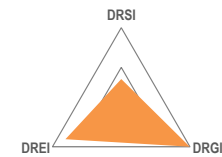
AAL/SE **DRSI** **68.5**

Disaster Risk Growth & Financial Implications

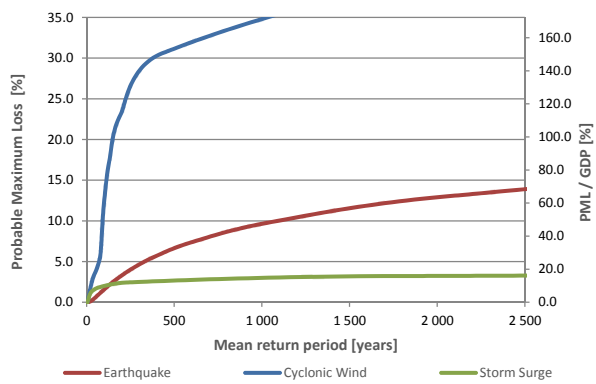
AAL/TR 0.25
AAL/GFCF 0.16 **DRGI** **75.0**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.37 **DREI** **73.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.04	0.25	0.08	
(Fiscal)	0.01	0.03	0.01	
AAL/GNE	0.00	0.02	0.01	
(Fiscal)	0.00	0.00	0.00	
AAL/TR	0.03	0.17	0.05	
(Fiscal)	0.00	0.02	0.01	
AAL/GFCF	0.02	0.11	0.03	
(Fiscal)	0.00	0.01	0.00	
AAL/SE				
(Fiscal)				
PML250/GNE	0.06	0.47	0.08	
(Fiscal)	0.01	0.07	0.01	
PML250/GDP	0.08	0.60	0.10	
(Fiscal)	0.01	0.08	0.01	

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CAPRA Team

Japan

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	127 338 624
- Urban	[%]	92.5
- Rural	[%]	7.5
Land area	[km²]	364 560.0
Pop.Density	[km²/Hab]	349.3
GINI	[value]	32.10
HDI	[value]	0.89
Exposed Value	[million US$]	39 473 718
- Fiscal	[million US$]	1 481 326

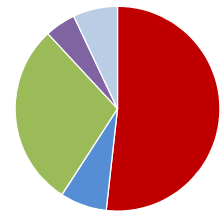
Economic Indicators

GDP Gross Domestic Product	[million US$]	4 919 563.1
GDP per capita	[US$]	38 633.7
GNE Gross National Expenditure	[million US$]	5 059 261.8
SE Social Expenditure	[million US$]	1.3
GS Gross Savings	[million US$]	1 299 397.6
GFCF Gross Fixed Capital Formation	[million US$]	1 068 884.6
TR Total Reserves	[million US$]	1 266 851.4
Public spending on education	[% GDP]	3.9
Health Expenditure	[% GDP]	10.1

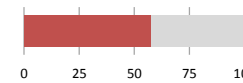
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	31 857.1	0.81	307 551.6	605 240.8	927 210.0	1 319 351
(Fiscal)	1 151.6	0.78	11 208.5	22 220.2	34 079.1	48 711.9
Cyclonic Wind	4 533.4	0.12	34 023.4	46 175.6	56 820.9	61 449.1
(Fiscal)	158.0	0.11	1 219.2	1 646.1	2 015.3	2 186.1
Storm Surge	17 812.3	0.45	45 243.6	49 145.2	55 647.9	58 872.8
(Fiscal)	631.3	0.43	1 648.3	1 782.8	2 007.1	2 138.6
Tsunami	2 997.2	0.08	60 744.4	210 462.1	362 633.9	526 170.0
(Fiscal)	227.9	0.15	5 902.3	15 126.0	23 126.8	30 724.7
Flood	4 328.2	0.11				
(Fiscal)	158.1	0.11				
National	61 528.1	1.57				
Fiscal	2 326.9	1.57				

AAL Distribution by Hazard



Disaster Risk Development Implications



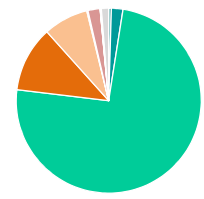
DRDI **57.53**

Ranking		
World	32	168
Region	13	48
Economy	3	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	10 885.9	5.6	0.52
	Middle low	189 412.8	157.1	0.83
	Middle high	824 408.8	740.9	0.90
	High	29 242 430.0	27 080.1	0.93
Services	Commercial	4 514 656.0	4 161.5	0.92
	Industrial	3 103 317.0	2 851.7	0.92
Education	Private	99 163.8	77.0	0.78
	Public	859 429.1	773.6	0.90
Health	Private	19 003.8	11.2	0.59
	Public	84 215.5	64.1	0.76
Government	Assets	526 795.7	465.9	0.88
National		39 473 718.4	36 388.8	0.92
Fiscal		1 481 326.2	1 309.3	0.88

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

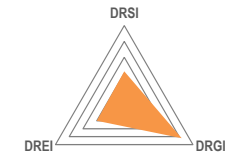
AAL/SE 47810.58 **DRSI** **56.2**

Disaster Risk Growth & Financial Implications

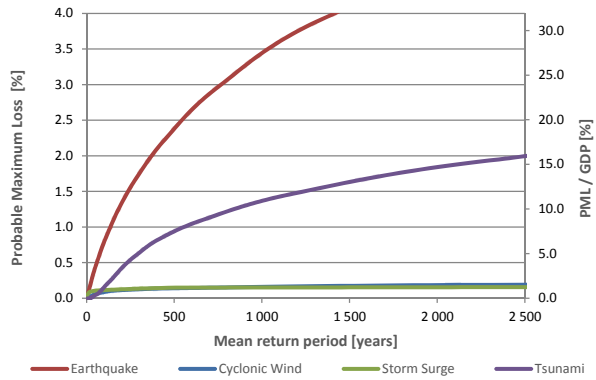
AAL/TR 0.05
AAL/GFCF 0.06 **DRGI** **60.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.05 **DREI** **56.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02	0.003	0.01	0.002	0.003
(Fiscal)	0.001	0.0001	0.000	0.0002	0.0001
AAL/GNE	0.01	0.001	0.004	0.001	0.001
(Fiscal)	0.00	0.00003	0.0001	0.00005	0.00003
AAL/TR	0.03	0.004	0.01	0.002	0.003
(Fiscal)	0.001	0.0001	0.0005	0.0002	0.0001
AAL/GFCF	0.03	0.004	0.02	0.003	0.004
(Fiscal)	0.001	0.0001	0.001	0.0002	0.0001
AAL/SE	24754.68	3522.66	13841.09	2328.96	3363.20
(Fiscal)	894.89	122.80	490.54	177.07	122.82
PML250/GNE	0.06	0.01	0.01	0.01	
(Fiscal)	0.002	0.0002	0.0003	0.001	
PML250/GDP	0.06	0.01	0.01	0.01	
(Fiscal)	0.002	0.0002	0.0003	0.001	

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CAPRA Team

Jordan

Asia

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	6 459 000
- Urban	[%]	83.2
- Rural	[%]	16.8
Land area	[km²]	88 780.0
Pop.Density	[km²/Hab]	72.8
GINI	[value]	33.60
HDI	[value]	0.75
Exposed Value	[million US$]	121 531
- Fiscal	[million US$]	31 430

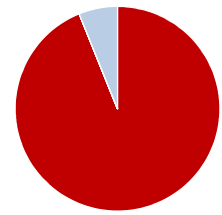
Economic Indicators

GDP Gross Domestic Product	[million US$]	33 678.5
GDP per capita	[US$]	5 214.2
GNE Gross National Expenditure	[million US$]	43 390.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	3 276.6
GFCF Gross Fixed Capital Formation	[million US$]	9 168.1
TR Total Reserves	[million US$]	13 826.0
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	9.8

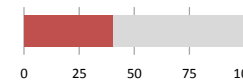
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	46.3	0.38	532.3	1 626.7	3 297.7	5 924.2
(Fiscal)	11.8	0.37	134.7	412.2	838.9	1 511.9
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	3.0	0.02				
(Fiscal)	0.7	0.02				
National	49.3	0.41				
Fiscal	12.5	0.40				

AAL Distribution by Hazard



Disaster Risk Development Implications



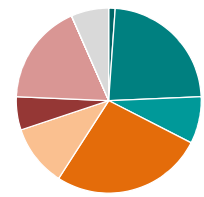
DRDI **40.24**

Ranking		
World	132	168
Region	39	12
Economy	36	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 750.3	0.5	0.30
	Middle low	27 696.1	10.7	0.39
	Middle high	10 188.8	3.8	0.37
	High			
Services	Commercial	31 573.6	12.3	0.39
	Industrial	13 226.3	5.0	0.38
Education	Private	7 361.9	2.7	0.36
	Public	21 315.7	8.2	0.38
Health	Private	53.7	0.0	0.02
	Public	82.4	0.0	0.09
Government	Assets	8 281.8	3.0	0.37
	National	121 530.7	46.3	0.38
	Fiscal	31 430.1	11.8	0.37

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

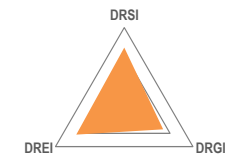
AAL/SE **DRSI** **44.8**

Disaster Risk Growth & Financial Implications

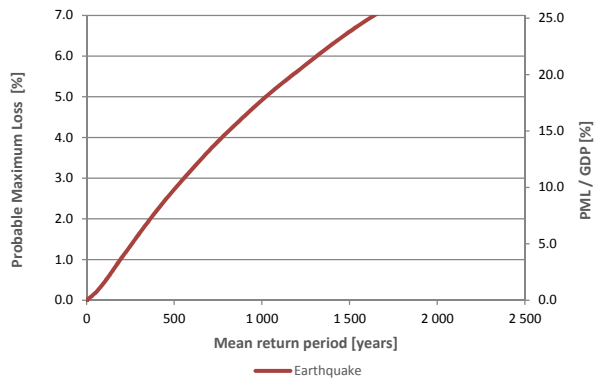
AAL/TR 0.00
AAL/GFCF 0.01
DRGI **34.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **41.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.02				
(Fiscal)	0.00				

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CAPRA Team

Kazakhstan

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	17 037 508
- Urban	[%]	53.4
- Rural	[%]	46.6
Land area	[km²]	2 699 700.0
Pop.Density	[km²/Hab]	6.3
GINI	[value]	28.50
HDI	[value]	0.76
Exposed Value	[million US$]	751 461
- Fiscal	[million US$]	90 910

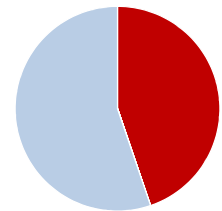
Economic Indicators

GDP Gross Domestic Product	[million US$]	231 876.3
GDP per capita	[US$]	13 609.8
GNE Gross National Expenditure	[million US$]	205 086.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	50 976.6
GFCF Gross Fixed Capital Formation	[million US$]	49 121.8
TR Total Reserves	[million US$]	24 691.6
Public spending on education	[% GDP]	3.1
Health Expenditure	[% GDP]	4.2

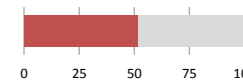
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	387.3	0.53	5 064.1	10 345.6	15 672.6	21 849.6
(Fiscal)	48.0	0.53	620.7	1 268.6	1 925.4	2 682.9
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	477.8	0.65				
(Fiscal)	66.3	0.73				
National	865.1	1.18				
Fiscal	114.3	1.26				

AAL Distribution by Hazard



Disaster Risk Development Implications



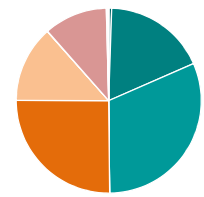
DRDI **51.76**

Ranking		
World	65	168
Region	23	48
Economy	11	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 395.6	2.0	0.46
	Middle low	135 157.3	69.2	0.51
	Middle high	233 546.5	121.3	0.52
	High			
Services	Commercial	188 253.5	97.3	0.52
	Industrial	101 346.2	51.8	0.51
Education	Private	445.0	0.2	0.39
	Public	84 554.7	42.8	0.51
Health	Private	1 802.7	0.8	0.43
	Public	1 959.3	0.8	0.43
Government	Assets			
	National	751 460.7	386.3	0.51
	Fiscal	90 909.6	45.7	0.50

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **55.2**

Disaster Risk Growth & Financial Implications

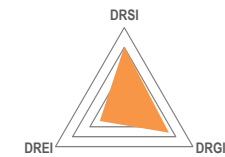
AAL/TR 0.04

AAL/GFCF 0.02 **DRGI** **53.0**

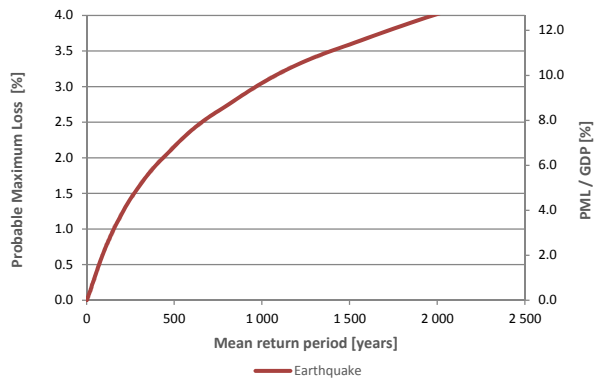
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS 0.02 **DREI** **47.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.02				0.02
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.02				
(Fiscal)	0.00				

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CAPRA Team

Kenya

Africa

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	44 353 692
- Urban	[%]	24.8
- Rural	[%]	75.2
Land area	[km²]	569 140.0
Pop.Density	[km²/Hab]	77.9
GINI	[value]	47.60
HDI	[value]	0.54
Exposed Value	[million US$]	98 592
- Fiscal	[million US$]	45 856

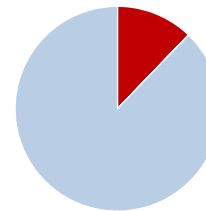
Economic Indicators

GDP Gross Domestic Product	[million US$]	55 243.1
GDP per capita	[US$]	1 245.5
GNE Gross National Expenditure	[million US$]	63 770.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	5 665.7
GFCF Gross Fixed Capital Formation	[million US$]	11 277.3
TR Total Reserves	[million US$]	6 598.9
Public spending on education	[% GDP]	6.7
Health Expenditure	[% GDP]	4.7

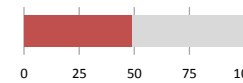
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	12.6	0.13	116.2	337.3	725.2	1 426.5
(Fiscal)	5.9	0.13	55.1	159.8	343.2	673.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	90.3	0.92				
(Fiscal)	46.7	1.02				
National	102.9	1.05				
Fiscal	52.6	1.15				

AAL Distribution by Hazard



Disaster Risk Development Implications



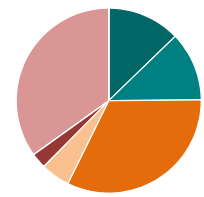
DRDI **49.19**

Ranking		
World	**83**	168
Region	**23**	57
Economy	**31**	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	13 025.6	1.5	0.12
	Middle low	12 406.4	1.4	0.12
	Middle high			
	High			
Services	Commercial	30 644.6	3.9	0.13
	Industrial	5 994.1	0.6	0.10
Education	Private	3 628.8	0.3	0.09
	Public	32 793.1	4.2	0.13
Health	Private	62.4	0.0	0.02
	Public	37.0	0.0	0.01
Government	Assets			
	National	98 591.9	11.9	0.12
	Fiscal	45 855.7	5.7	0.12

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

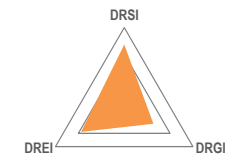
AAL/SE **DRSI** **51.8**

Disaster Risk Growth & Financial Implications

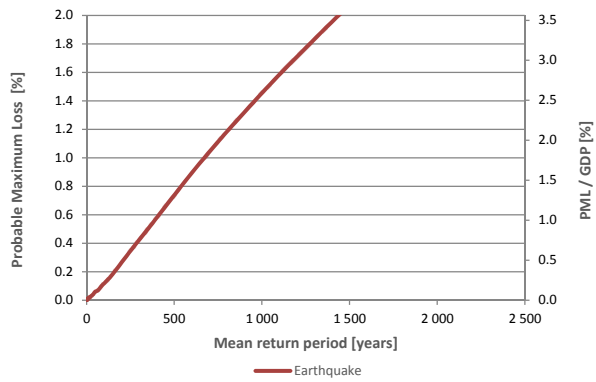
AAL/TR 0.02
AAL/GFCF 0.01 **DRGI** **46.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 **DREI** **49.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.002				0.02
(Fiscal)	0.001				0.01
AAL/GNE	0.0002				0.001
(Fiscal)	0.0001				0.001
AAL/TR	0.002				0.01
(Fiscal)	0.001				0.01
AAL/GFCF	0.001				0.01
(Fiscal)	0.001				0.004
AAL/SE					
(Fiscal)					
PML250/GNE	0.002				
(Fiscal)	0.001				
PML250/GDP	0.002				
(Fiscal)	0.001				

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CAPRA Team

Kiribati

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

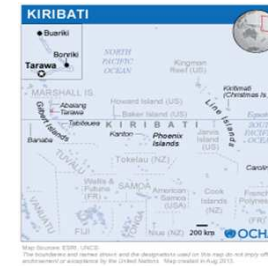
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	102 351
- Urban	[%]	44.1
- Rural	[%]	55.9
Land area	[km²]	810.0
Pop.Density	[km²/Hab]	126.4
GINI	[value]	
HDI	[value]	0.61
Exposed Value	[million US$]	595
- Fiscal	[million US$]	89

Economic Indicators

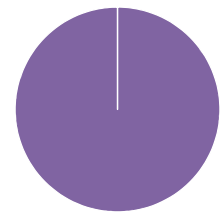
GDP Gross Domestic Product	[million US$]	169.0
GDP per capita	[US$]	1 650.7
GNE Gross National Expenditure	[million US$]	337.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	22.4
GFCF Gross Fixed Capital Formation	[million US$]	18.9
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	10.7



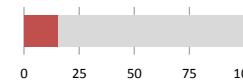
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	0.0	0.02	0.0	0.2	0.7	1.8
(Fiscal)	---	---	---	---	---	---
National	0.0	0.02				
Fiscal						

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **15.3**

Ranking

SIDS Country	45	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	19.0	0.0	0.00
	Middle low	52.2	0.0	0.00
	Middle high	32.1	0.0	0.00
	High			
Services	Commercial	360.9	0.0	0.00
	Industrial	35.1	0.0	0.00
Education	Private	25.6	0.0	0.00
	Public	69.8	0.0	0.00
Health	Private	0.1	0.0	0.00
	Public	0.3	0.0	0.00
Government	Assets			
National		595.1	0.0	0.00
Fiscal		89.2	0.0	0.00

AAL Distribution by Sector

DRDI Components

Disaster Risk Social Implications

AAL/SE — DRSI **21.7**

Disaster Risk Growth & Financial Implications

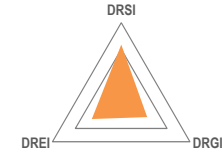
AAL/TR

AAL/GFCF 0.00 — DRGI **11.3**

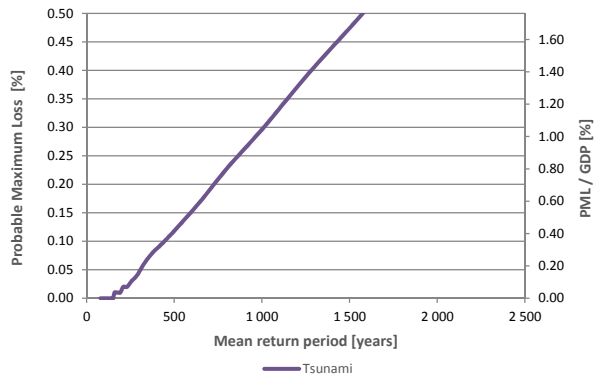
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS 0.00 — DREI **12.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				0.00
(Fiscal)				
AAL/GNE				0.00
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				0.00
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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Kuwait

Asia

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	3 368 572
- Urban	[%]	98.3
- Rural	[%]	1.7
Land area	[km²]	17 820.0
Pop.Density	[km²/Hab]	189.0
GINI	[value]	
HDI	[value]	0.81
Exposed Value	[million US$]	469 429
- Fiscal	[million US$]	14 315

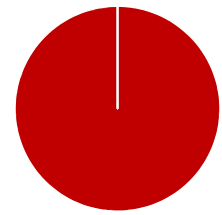
Economic Indicators

GDP Gross Domestic Product	[million US$]	175 830.5
GDP per capita	[US$]	52 197.3
GNE Gross National Expenditure	[million US$]	96 682.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	95 570.3
GFCF Gross Fixed Capital Formation	[million US$]	19 039.6
TR Total Reserves	[million US$]	32 410.2
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	2.5

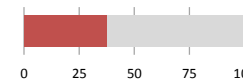
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	201.4	0.43	1 063.2	3 252.5	7 173.8	14 065.7
(Fiscal)	6.1	0.42	31.7	97.2	215.5	424.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	---	---				
(Fiscal)	---	---				
National	201.4	0.43				
Fiscal	6.1	0.42				

AAL Distribution by Hazard



Disaster Risk Development Implications



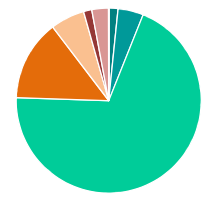
DRDI **37.75**

Ranking		
World	138	168
Region	41	12
Economy	30	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	312.2	0.1	0.36
	Middle low	7 408.0	3.1	0.42
	Middle high	21 033.9	9.0	0.43
	High	325 359.3	139.9	0.43
Services	Commercial	66 257.9	28.4	0.43
	Industrial	28 192.8	12.0	0.43
Education	Private	6 818.3	2.9	0.42
	Public	13 856.6	5.9	0.43
Health	Private	43.6	0.0	0.14
	Public	146.1	0.0	0.30
Government	Assets			
	National	469 428.7	201.4	0.43
	Fiscal	14 314.9	6.1	0.42

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

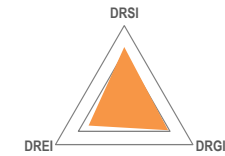
AAL/SE **DRSI** **43.8**

Disaster Risk Growth & Financial Implications

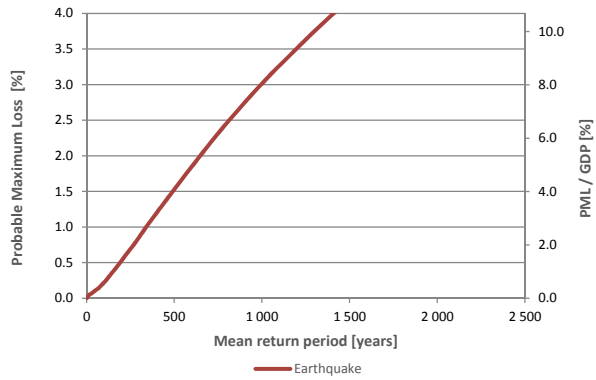
AAL/TR 0.01
AAL/GFCF 0.01 **DRGI** **38.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **31.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				
(Fiscal)	0.00				
AAL/GNE	0.00				
(Fiscal)	0.00				
AAL/TR	0.01				
(Fiscal)	0.00				
AAL/GFCF	0.01				
(Fiscal)	0.00				
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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CAPRA Team

Kyrgizstan

Asia

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	5 719 500
- Urban	[%]	35.5
- Rural	[%]	64.5
Land area	[km²]	191 800.0
Pop.Density	[km²/Hab]	29.8
GINI	[value]	33.30
HDI	[value]	0.63
Exposed Value	[million US$]	18 484
- Fiscal	[million US$]	4 619

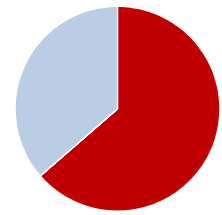
Economic Indicators

GDP Gross Domestic Product	[million US$]	7 226.3
GDP per capita	[US$]	1 263.5
GNE Gross National Expenditure	[million US$]	10 749.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	841.5
GFCF Gross Fixed Capital Formation	[million US$]	2 207.4
TR Total Reserves	[million US$]	2 238.4
Public spending on education	[% GDP]	6.8
Health Expenditure	[% GDP]	7.1

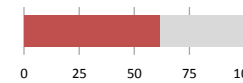
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	62.6	3.39	581.6	944.3	1 259.6	1 583.8
(Fiscal)	15.6	3.39	145.5	236.3	315.2	396.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	35.8	1.94				
(Fiscal)	9.0	1.94				
National	98.4	5.33				
Fiscal	24.6	5.32				

AAL Distribution by Hazard



Disaster Risk Development Implications



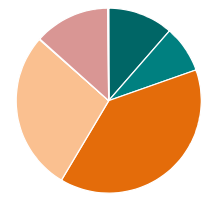
DRDI **61.65**

Ranking		
World	20	168
Region	12	48
Economy	10	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 126.1	7.0	3.28
	Middle low	1 544.4	5.0	3.26
	Middle high			
	High			
Services	Commercial	7 121.9	23.8	3.35
	Industrial	5 135.4	17.1	3.34
Education	Private	34.4	0.1	1.86
	Public	2 464.0	8.1	3.29
Health	Private	29.7	0.0	1.62
	Public	28.7	0.0	1.60
Government	Assets			
	National	18 484.5	61.3	3.31
	Fiscal	4 618.7	15.1	3.28

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

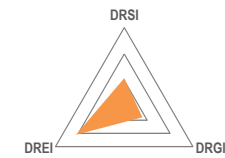
AAL/SE **DRSI** **60.4**

Disaster Risk Growth & Financial Implications

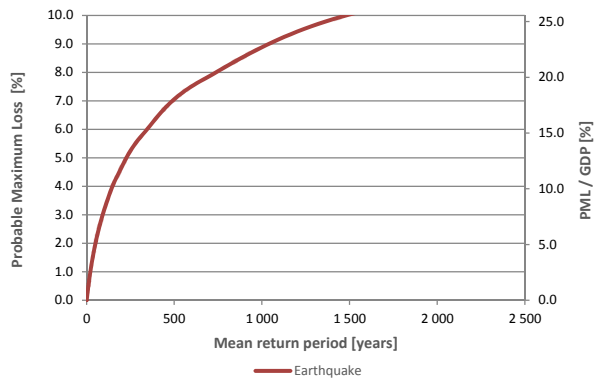
AAL/TR 0.04
AAL/GFCF 0.04
DRGI **59.0**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.12
DREI **65.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.07				0.04
(Fiscal)	0.02				0.01
AAL/GNE	0.01				0.003
(Fiscal)	0.00				0.001
AAL/TR	0.03				0.02
(Fiscal)	0.01				0.004
AAL/GFCF	0.03				0.02
(Fiscal)	0.01				0.004
AAL/SE					
(Fiscal)					
PML250/GNE	0.05				
(Fiscal)	0.01				
PML250/GDP	0.08				
(Fiscal)	0.02				

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CAPRA Team

Laos

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	6 769 727
- Urban	[%]	36.5
- Rural	[%]	63.5
Land area	[km²]	230 800.0
Pop.Density	[km²/Hab]	29.3
GINI	[value]	36.20
HDI	[value]	0.57
Exposed Value	[million US$]	21 940
- Fiscal	[million US$]	8 851

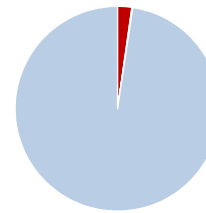
Economic Indicators

GDP Gross Domestic Product	[million US$]	11 242.5
GDP per capita	[US$]	1 660.7
GNE Gross National Expenditure	[million US$]	12 246.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 680.8
GFCF Gross Fixed Capital Formation	[million US$]	3 279.8
TR Total Reserves	[million US$]	1 064.9
Public spending on education	[% GDP]	2.8
Health Expenditure	[% GDP]	2.9

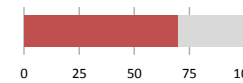
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	5.0	0.23	76.7	159.9	258.3	392.8
(Fiscal)	2.0	0.23	31.0	64.6	104.4	158.8
Cyclonic Wind	0.4	0.02	5.1	6.3	7.3	7.9
(Fiscal)	0.1	0.02	2.1	2.5	3.0	3.2
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	219.5	10.01				
(Fiscal)	88.6	10.01				
National	224.9	10.26				
Fiscal	90.7	10.25				

AAL Distribution by Hazard



Disaster Risk Development Implications



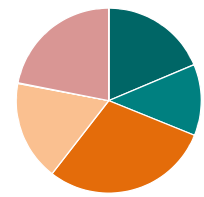
DRDI **69.98**

Ranking		
World	4	168
Region	1	48
Economy	2	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 125.1	0.8	0.20
	Middle low	2 934.6	0.5	0.19
	Middle high			
	High			
Services	Commercial	6 131.7	1.3	0.21
	Industrial	3 893.5	0.8	0.20
Education	Private	110.9	0.0	0.04
	Public	4 721.6	1.0	0.20
Health	Private	18.0	0.0	0.02
	Public	4.2	0.0	0.00
Government	Assets			
	National	21 939.5	4.4	0.20
	Fiscal	8 850.9	1.8	0.20

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

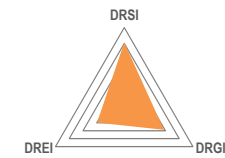
AAL/SE **DRSI** **71.1**

Disaster Risk Growth & Financial Implications

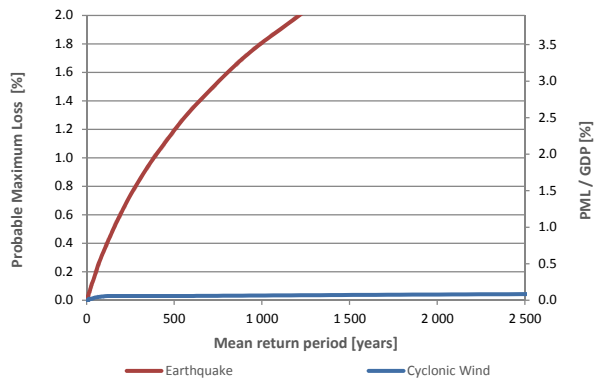
AAL/TR 0.21
AAL/GFCF 0.07
DRGI **69.9**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.13
DREI **69.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00	0.00			0.13
(Fiscal)	0.00	0.00			0.05
AAL/GNE	0.00	0.00			0.02
(Fiscal)	0.00	0.00			0.01
AAL/TR	0.00	0.00			0.21
(Fiscal)	0.00	0.00			0.08
AAL/GFCF	0.00	0.00			0.07
(Fiscal)	0.00	0.00			0.03
AAL/SE					
(Fiscal)					
PML250/GNE	0.01	0.00			
(Fiscal)	0.00	0.00			
PML250/GDP	0.01	0.00			
(Fiscal)	0.00	0.00			

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Latvia

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 013 385
- Urban	[%]	67.5
- Rural	[%]	32.5
Land area	[km²]	62 180.0
Pop.Density	[km²/Hab]	32.4
GINI	[value]	36.00
HDI	[value]	0.81
Exposed Value	[million US$]	95 669
- Fiscal	[million US$]	12 009

Economic Indicators

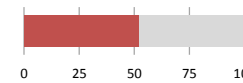
GDP Gross Domestic Product	[million US$]	30 956.7
GDP per capita	[US$]	15 375.4
GNE Gross National Expenditure	[million US$]	29 570.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	7 371.0
GFCF Gross Fixed Capital Formation	[million US$]	6 324.8
TR Total Reserves	[million US$]	7 895.3
Public spending on education	[% GDP]	4.9
Health Expenditure	[% GDP]	6.0

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	172.8	1.81				
(Fiscal)	20.5	1.71				
National	172.8	1.81				
Fiscal	20.5	1.71				

AAL Distribution by Hazard

Disaster Risk Development Implications



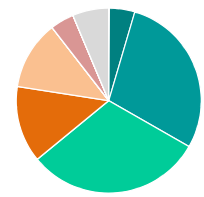
DRDI **52.11**

Ranking		
World	61	168
Region	10	51
Economy	10	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	263.7	0.0	0.00
	Middle low	5 089.0	0.0	0.00
	Middle high	25 672.3	0.1	0.00
	High	27 653.7	0.1	0.00
Services	Commercial	13 083.1	0.0	0.00
	Industrial	11 968.7	0.0	0.00
Education	Private	71.0	0.0	0.00
	Public	4 872.7	0.0	0.00
Health	Private	121.9	0.0	0.00
	Public	171.5	0.0	0.00
Government	Assets	6 701.1	0.0	0.00
	National	95 668.8	0.3	0.00
	Fiscal	12 009.0	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

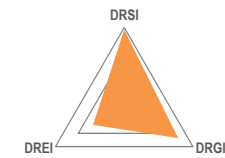
AAL/SE **DRSI** **52.5**

Disaster Risk Growth & Financial Implications

AAL/TR 0.02
AAL/GFCF 0.03
DRGI **52.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **51.7**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.02
(Fiscal)					0.00
AAL/GNE					0.01
(Fiscal)					0.00
AAL/TR					0.02
(Fiscal)					0.00
AAL/GFCF					0.03
(Fiscal)					0.00
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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CAPRA Team

Lebanon

Asia

GAR Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	4 467 390
- Urban	[%]	87.5
- Rural	[%]	12.5
Land area	[km²]	10 230.0
Pop.Density	[km²/Hab]	436.7
GINI	[value]	
HDI	[value]	0.76
Exposed Value	[million US$]	207 730
- Fiscal	[million US$]	15 232

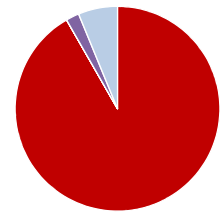
Economic Indicators

GDP Gross Domestic Product	[million US$]	44 352.4
GDP per capita	[US$]	9 928.0
GNE Gross National Expenditure	[million US$]	50 384.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	6 873.5
GFCF Gross Fixed Capital Formation	[million US$]	12 363.3
TR Total Reserves	[million US$]	47 855.9
Public spending on education	[% GDP]	2.2
Health Expenditure	[% GDP]	7.6

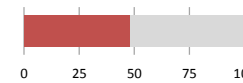
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	119.7	0.58	1 723.6	4 926.1	9 204.2	15 195.2
(Fiscal)	8.4	0.55	120.1	348.0	654.5	1 091.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	2.7	0.01	0.0	0.0	17.5	359.0
(Fiscal)	0.4	0.02	0.0	0.0	9.6	78.4
Flood	8.1	0.04				
(Fiscal)	0.5	0.03				
National	130.5	0.63				
Fiscal	9.3	0.61				

AAL Distribution by Hazard



Disaster Risk Development Implications



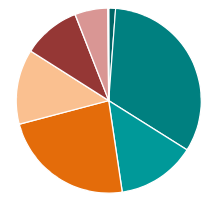
DRDI **47.88**

Ranking		
World	91	168
Region	31	12
Economy	19	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 830.4	1.4	0.50
	Middle low	67 626.3	39.2	0.58
	Middle high	28 466.3	16.4	0.58
	High			
Services	Commercial	48 035.9	27.8	0.58
	Industrial	27 137.9	15.7	0.58
Education	Private	20 923.6	12.1	0.58
	Public	12 138.9	7.0	0.57
Health	Private	307.7	0.1	0.24
	Public	262.8	0.1	0.23
Government	Assets			
	National	207 729.7	119.7	0.58
	Fiscal	15 232.0	8.4	0.55

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

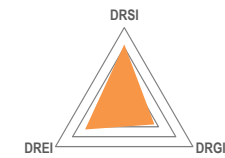
AAL/SE **DRSI** **63.0**

Disaster Risk Growth & Financial Implications

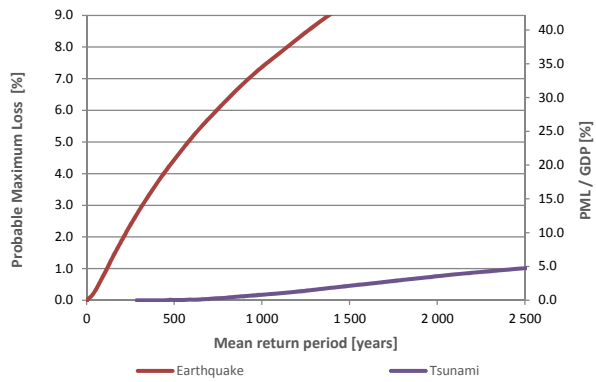
AAL/TR 0.00
AAL/GFCF 0.01
DRGI **35.1**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **45.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02			0.0004	0.001
(Fiscal)	0.001			0.0001	0.0001
AAL/GNE	0.002			0.0001	0.0002
(Fiscal)	0.0002			0.00001	0.00001
AAL/TR	0.003			0.0001	0.0002
(Fiscal)	0.0002			0.00001	0.00001
AAL/GFCF	0.01			0.0002	0.001
(Fiscal)	0.001			0.00003	0.00004
AAL/SE					
(Fiscal)					
PML250/GNE	0.03				
(Fiscal)	0.002				
PML250/GDP	0.04				
(Fiscal)	0.003				

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CAPRA Team

Lesotho

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 074 465
- Urban	[%]	26.3
- Rural	[%]	73.7
Land area	[km²]	30 360.0
Pop.Density	[km²/Hab]	68.3
GINI	[value]	54.10
HDI	[value]	0.49
Exposed Value	[million US$]	17 940
- Fiscal	[million US$]	10 838

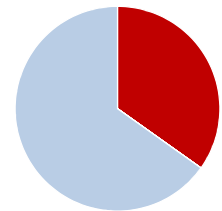
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 335.0
GDP per capita	[US$]	1 125.6
GNE Gross National Expenditure	[million US$]	3 740.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	848.7
GFCF Gross Fixed Capital Formation	[million US$]	855.3
TR Total Reserves	[million US$]	1 055.2
Public spending on education	[% GDP]	13.0
Health Expenditure	[% GDP]	11.6

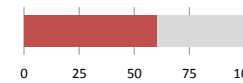
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	15.8	0.88	177.8	405.7	696.5	1 091.9
(Fiscal)	9.7	0.90	109.4	249.9	429.8	675.1
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	29.5	1.65				
(Fiscal)	18.8	1.74				
National	45.3	2.52				
Fiscal	28.5	2.63				

AAL Distribution by Hazard



Disaster Risk Development Implications



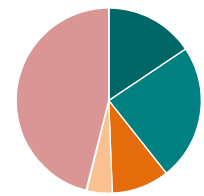
DRDI **60.16**

Ranking		
World	25	168
Region	6	57
Economy	12	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 827.1	2.5	0.87
	Middle low	4 214.2	3.7	0.89
	Middle high			
	High			
Services	Commercial	1 878.8	1.6	0.84
	Industrial	934.9	0.7	0.75
Education	Private	67.8	0.0	0.29
	Public	7 999.5	7.3	0.91
Health	Private	6.8	0.0	0.18
	Public	11.2	0.0	0.18
Government	Assets			
	National	17 940.4	15.8	0.88
	Fiscal	10 837.8	9.7	0.90

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

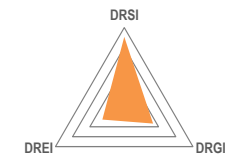
AAL/SE **DRSI** **61.5**

Disaster Risk Growth & Financial Implications

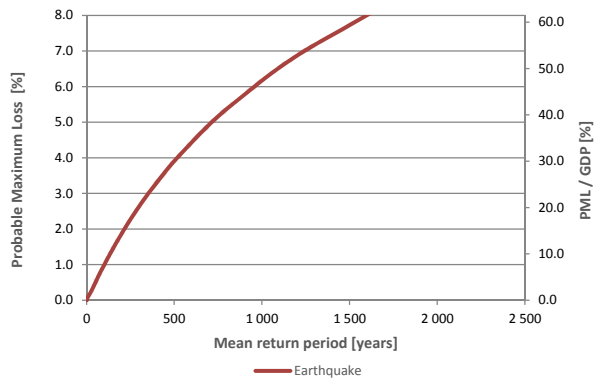
AAL/TR 0.04
AAL/GFCF 0.05 **DRGI** **59.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.05 **DREI** **59.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02				0.03
(Fiscal)	0.01				0.02
AAL/GNE	0.00				0.01
(Fiscal)	0.00				0.01
AAL/TR	0.01				0.03
(Fiscal)	0.01				0.02
AAL/GFCF	0.02				0.03
(Fiscal)	0.01				0.02
AAL/SE					
(Fiscal)					
PML250/GNE	0.05				
(Fiscal)	0.03				
PML250/GDP	0.08				
(Fiscal)	0.05				

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Liberia

Africa

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	4 294 077
- Urban	[%]	48.9
- Rural	[%]	51.1
Land area	[km²]	96 320.0
Pop.Density	[km²/Hab]	44.6
GINI	[value]	38.10
HDI	[value]	0.41
Exposed Value	[million US$]	1 912
- Fiscal	[million US$]	981

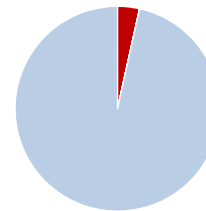
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 951.0
GDP per capita	[US$]	454.3
GNE Gross National Expenditure	[million US$]	2 724.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	483.2
GFCF Gross Fixed Capital Formation	[million US$]	440.3
TR Total Reserves	[million US$]	493.1
Public spending on education	[% GDP]	2.8
Health Expenditure	[% GDP]	15.5

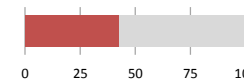
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.06	1.0	3.1	7.5	18.2
(Fiscal)	0.1	0.05	0.5	1.6	3.8	9.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	3.1	1.60				
(Fiscal)	1.6	1.65				
National	3.2	1.66				
Fiscal	1.7	1.70				

AAL Distribution by Hazard



Disaster Risk Development Implications



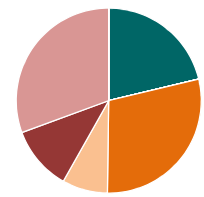
DRDI **42.65**

Ranking		
World	124	168
Region	37	57
Economy	42	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	419.9	0.0	0.02
	Middle low			
	Middle high			
	High			
Services	Commercial	525.2	0.0	0.02
	Industrial	170.7	0.0	0.02
Education	Private	233.9	0.0	0.02
	Public	560.6	0.0	0.02
Health	Private	1.0	0.0	0.00
	Public	0.3	0.0	0.00
Government	Assets			
National		1 911.7	0.0	0.02
Fiscal		980.9	0.0	0.02

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

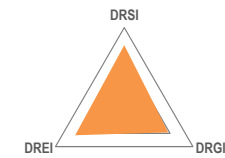
AAL/SE **DRSI** **46.7**

Disaster Risk Growth & Financial Implications

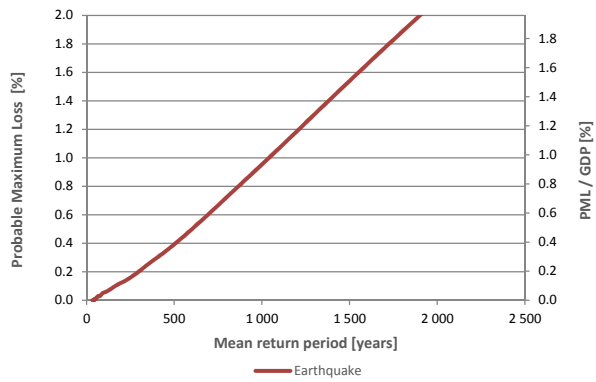
AAL/TR 0.01
AAL/GFCF 0.01 **DRGI** **38.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **42.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

CIMNE
International Centre for Numerical Methods in Engineering
INGENIAR Ltd
CAPRA Team

Libya

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

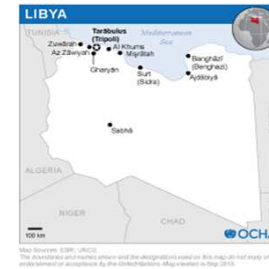
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	6 201 521
- Urban	[%]	78.2
- Rural	[%]	21.8
Land area	[km²]	1 759 540.0
Pop.Density	[km²/Hab]	3.5
GINI	[value]	
HDI	[value]	0.78
Exposed Value	[million US$]	73 951
- Fiscal	[million US$]	17 445

Economic Indicators

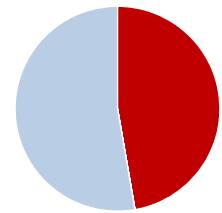
GDP Gross Domestic Product	[million US$]	74 199.5
GDP per capita	[US$]	11 964.7
GNE Gross National Expenditure	[million US$]	55 976.4
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	62 510.1
GFCF Gross Fixed Capital Formation	[million US$]	25 993.8
TR Total Reserves	[million US$]	119 714.2
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	3.9



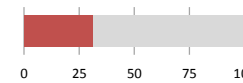
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	11.5	0.16	136.3	309.0	521.3	822.3
(Fiscal)	2.8	0.16	33.8	77.0	129.9	204.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	0.2	0.01	0.0	0.8	14.2	48.5
Flood	12.8	0.17				
(Fiscal)	2.3	0.13				
National	24.3	0.33				
Fiscal	5.3	0.30				

AAL Distribution by Hazard



Disaster Risk Development Implications



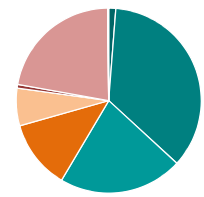
DRDI **31.08**

Ranking		
World	146	168
Region	5	57
Economy	29	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 097.7	0.1	0.13
	Middle low	25 682.6	4.1	0.16
	Middle high	15 875.3	2.5	0.16
	High			
Services	Commercial	9 107.5	1.4	0.15
	Industrial	5 143.6	0.8	0.15
Education	Private	611.6	0.1	0.12
	Public	16 181.3	2.5	0.16
Health	Private	85.7	0.0	0.05
	Public	165.9	0.0	0.09
Government	Assets			
	National	73 951.2	11.5	0.15
	Fiscal	17 445.0	2.7	0.15

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

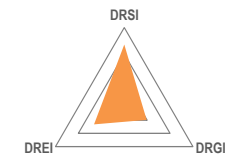
AAL/SE **DRSI** **47.2**

Disaster Risk Growth & Financial Implications

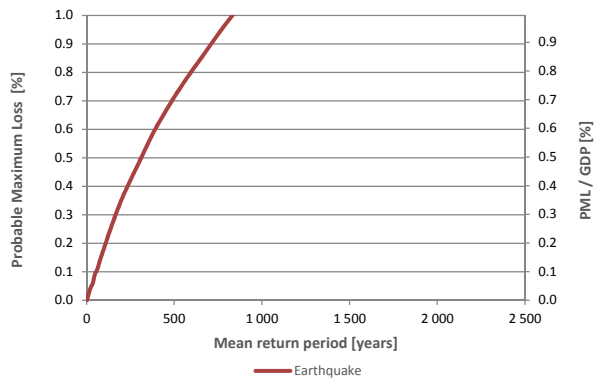
AAL/TR 0.00
AAL/GFCF 0.00
DRGI **19.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00
DREI **26.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.0002				0.0002
(Fiscal)	0.00005			0.000003	0.00004
AAL/GNE	0.0002				0.0002
(Fiscal)	0.0001			0.000003	0.00004
AAL/TR	0.0001				0.0001
(Fiscal)	0.00002			0.000002	0.00002
AAL/GFCF	0.0004				0.0005
(Fiscal)	0.0001			0.00001	0.0001
AAL/SE					
(Fiscal)					
PML250/GNE	0.002				
(Fiscal)	0.001				
PML250/GDP	0.002				
(Fiscal)	0.0005				

Liechtenstein

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	36 925
- Urban	[%]	14.3
- Rural	[%]	85.7
Land area	[km²]	160.0
Pop.Density	[km²/Hab]	230.8
GINI	[value]	
HDI	[value]	0.89
Exposed Value	[million US$]	18 837
- Fiscal	[million US$]	448

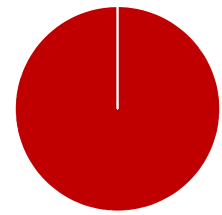
Economic Indicators

GDP Gross Domestic Product	[million US$]	4 826.2
GDP per capita	[US$]	134 617.4
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	2.1
Health Expenditure	[% GDP]	

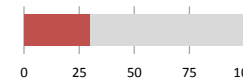
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	9.8	0.52	85.7	297.7	696.8	1 411.3
(Fiscal)	0.2	0.49	1.9	6.7	15.7	32.1
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	9.8	0.52				
Fiscal	0.2	0.49				

AAL Distribution by Hazard



Disaster Risk Development Implications



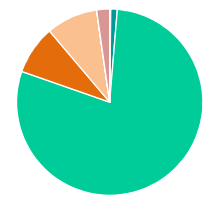
DRDI **29.76**

Ranking		
World	150	168
Region	36	51
Economy	38	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3.1	0.0	0.00
	Middle low	55.7	0.0	0.31
	Middle high	227.4	0.1	0.49
	High	14 814.4	7.7	0.52
Services	Commercial	1 591.7	0.8	0.52
	Industrial	1 674.0	0.9	0.52
Education	Private	22.4	0.0	0.00
	Public	429.4	0.2	0.51
Health	Private	3.3	0.0	0.00
	Public	15.7	0.0	0.00
Government	Assets			
	National	18 837.1	9.8	0.52
	Fiscal	448.2	0.2	0.49

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

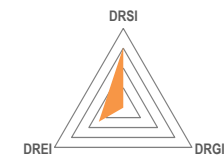
AAL/SE **DRSI** **60.9**

Disaster Risk Growth & Financial Implications

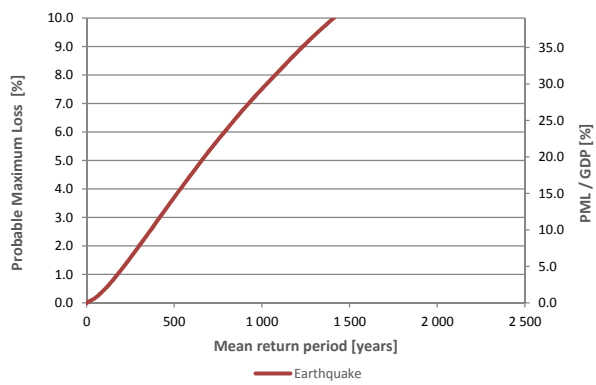
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **28.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP	0.02			
(Fiscal)	0.00			

CIMNE
International Centre for Numerical Methods in Engineering

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CAPRA Team

Lithuania

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 956 121
- Urban	[%]	66.6
- Rural	[%]	33.4
Land area	[km²]	62 674.0
Pop.Density	[km²/Hab]	47.2
GINI	[value]	32.60
HDI	[value]	0.83
Exposed Value	[million US$]	135 684
- Fiscal	[million US$]	18 276

Economic Indicators

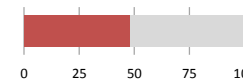
GDP Gross Domestic Product	[million US$]	45 932.0
GDP per capita	[US$]	15 537.9
GNE Gross National Expenditure	[million US$]	43 719.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	7 302.5
GFCF Gross Fixed Capital Formation	[million US$]	7 517.2
TR Total Reserves	[million US$]	8 072.5
Public spending on education	[% GDP]	5.2
Health Expenditure	[% GDP]	6.7

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	134.9	0.99				
(Fiscal)	17.2	0.94				
National	134.9	0.99				
Fiscal	17.2	0.94				

AAL Distribution by Hazard

Disaster Risk Development Implications



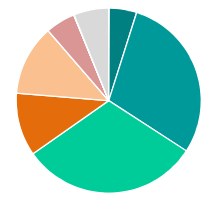
DRDI **48.16**

Ranking		
World	88	168
Region	16	51
Economy	18	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	387.2	0.0	0.00
	Middle low	7 580.2	0.0	0.00
	Middle high	36 938.3	0.2	0.00
	High	39 233.5	0.2	0.00
Services	Commercial	15 830.9	0.1	0.00
	Industrial	17 635.3	0.1	0.00
Education	Private	51.4	0.0	0.00
	Public	8 137.2	0.0	0.00
Health	Private	138.1	0.0	0.00
	Public	339.0	0.0	0.00
Government	Assets	9 412.6	0.0	0.00
	National	135 683.8	0.6	0.00
	Fiscal	18 276.1	0.1	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

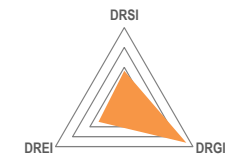
AAL/SE **DRSI** **47.9**

Disaster Risk Growth & Financial Implications

AAL/TR 0.02
AAL/GFCF 0.02
DRGI **48.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **47.8**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.02
(Fiscal)					0.00
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.02
(Fiscal)					0.00
AAL/GFCF					0.02
(Fiscal)					0.00
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

Luxembourg

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	543 202
- Urban	[%]	89.6
- Rural	[%]	10.4
Land area	[km²]	2 590.0
Pop.Density	[km²/Hab]	209.7
GINI	[value]	
HDI	[value]	0.88
Exposed Value	[million US$]	201 133
- Fiscal	[million US$]	11 088

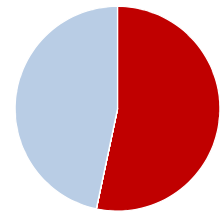
Economic Indicators

GDP Gross Domestic Product	[million US$]	60 130.8
GDP per capita	[US$]	110 697.0
GNE Gross National Expenditure	[million US$]	38 962.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	8 045.3
GFCF Gross Fixed Capital Formation	[million US$]	10 257.5
TR Total Reserves	[million US$]	963.1
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	6.8

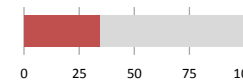
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	13.3	0.07	126.8	262.5	525.1	1 073.4
(Fiscal)	0.7	0.06	6.6	13.1	25.7	52.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	11.6	0.06				
(Fiscal)	0.5	0.05				
National	24.9	0.12				
Fiscal	1.2	0.11				

AAL Distribution by Hazard



Disaster Risk Development Implications



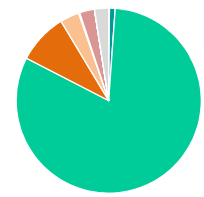
DRDI **34.44**

Ranking		
World	143	168
Region	34	51
Economy	34	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	33.9	0.0	0.00
	Middle low	610.8	0.02	0.03
	Middle high	2 516.3	0.1	0.05
	High	161 769.9	10.8	0.07
Services	Commercial	17 363.1	1.2	0.07
	Industrial	6 924.4	0.4	0.06
Education	Private	824.1	0.03	0.03
	Public	5 562.5	0.3	0.06
Health	Private	35.9	0.0	0.00
	Public	170.8	0.002	0.01
Government	Assets	5 320.9	0.3	0.06
	National	201 132.6	13.2	0.07
	Fiscal	11 088.1	0.7	0.06

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

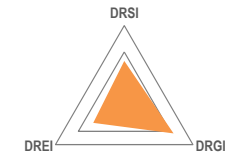
AAL/SE **DRSI** **33.3**

Disaster Risk Growth & Financial Implications

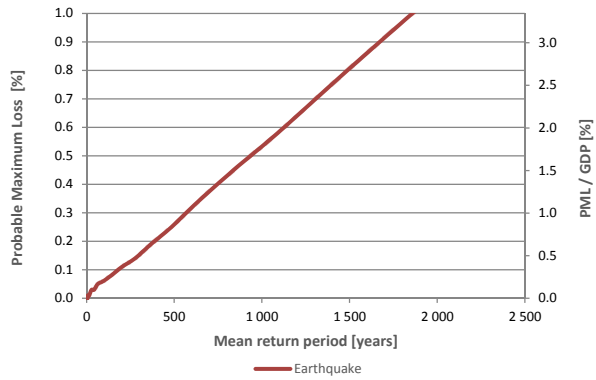
AAL/TR 0.03
AAL/GFCF 0.002
DRGI **43.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.003
DREI **27.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.002				0.001
(Fiscal)	0.0001				0.0001
AAL/GNE	0.0003				0.0003
(Fiscal)	0.00002				0.00001
AAL/TR	0.01				0.01
(Fiscal)	0.001				0.001
AAL/GFCF	0.001				0.001
(Fiscal)	0.0001				0.0001
AAL/SE					
(Fiscal)					
PML250/GNE	0.003				
(Fiscal)	0.0002				
PML250/GDP	0.002				
(Fiscal)	0.0001				

Macau

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	566 375
- Urban	[%]	100.0
- Rural	[%]	0.0
Land area	[km²]	29.9
Pop.Density	[km²/Hab]	18 942.3
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	56 709
- Fiscal	[million US$]	1 163

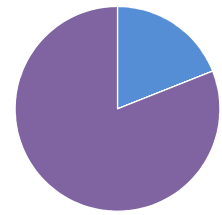
Economic Indicators

GDP Gross Domestic Product	[million US$]	51 753.1
GDP per capita	[US$]	91 376.0
GNE Gross National Expenditure	[million US$]	20 216.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	25 015.4
GFCF Gross Fixed Capital Formation	[million US$]	6 610.5
TR Total Reserves	[million US$]	16 145.9
Public spending on education	[% GDP]	2.7
Health Expenditure	[% GDP]	

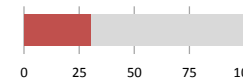
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	2.2	0.04	35.9	48.3	55.3	62.3
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	9.3	0.16	23.3	177.9	1 612.0	3 110.7
(Fiscal)	0.1	0.11	1.3	4.8	19.9	36.3
National	11.5	0.20				
Fiscal	0.1	0.11				

AAL Distribution by Hazard



Disaster Risk Development Implications



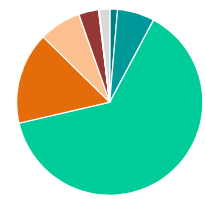
DRDI **30.13**

Ranking		
World	149	168
Region	45	48
Economy	37	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	41.7	0.0	0.03
	Middle low	751.2	0.0	0.04
	Middle high	3 669.5	0.2	0.04
	High	35 909.6	1.6	0.04
Services	Commercial	9 067.1	0.4	0.04
	Industrial	4 138.7	0.2	0.04
Education	Private	1 955.7	0.1	0.04
	Public	92.5	0.0	0.02
Health	Private	54.5	0.0	0.03
	Public	7.0	0.0	0.00
Government	Assets	1 021.6	0.0	0.04
	National	56 709.2	2.4	0.04
	Fiscal	1 162.9	0.0	0.04

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

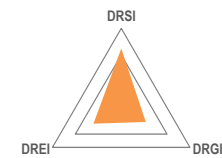
AAL/SE **DRSI** **44.8**

Disaster Risk Growth & Financial Implications

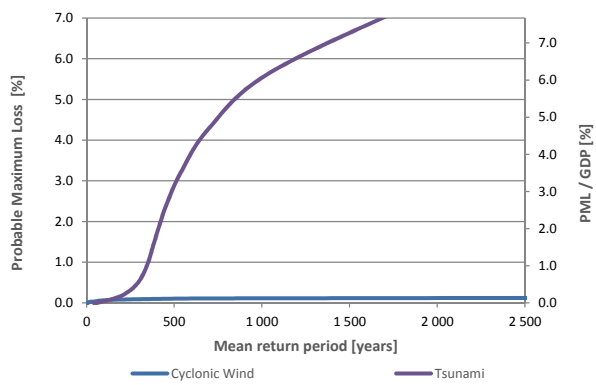
AAL/TR 0.00
AAL/GFCF 0.00 **DRGI** **21.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **24.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS		0.00		0.00
(Fiscal)				0.00
AAL/GNE		0.00		0.00
(Fiscal)				0.00
AAL/TR		0.00		0.00
(Fiscal)				0.00
AAL/GFCF		0.00		0.00
(Fiscal)				0.00
AAL/SE				
(Fiscal)				
PML250/GNE		0.00		0.00
(Fiscal)				0.00
PML250/GDP		0.00		0.00
(Fiscal)				0.00

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CAPRA Team

Macedonia

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 107 158
- Urban	[%]	57.0
- Rural	[%]	43.0
Land area	[km²]	25 220.0
Pop.Density	[km²/Hab]	83.6
GINI	[value]	44.20
HDI	[value]	0.73
Exposed Value	[million US$]	33 002
- Fiscal	[million US$]	5 571

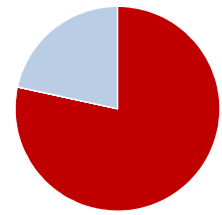
Economic Indicators

GDP Gross Domestic Product	[million US$]	10 195.4
GDP per capita	[US$]	4 838.5
GNE Gross National Expenditure	[million US$]	12 119.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	3 418.8
GFCF Gross Fixed Capital Formation	[million US$]	2 530.0
TR Total Reserves	[million US$]	2 747.6
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	7.1

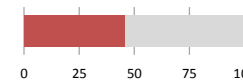
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	26.3	0.80	264.5	516.7	812.7	1 196.9
(Fiscal)	4.1	0.73	40.8	80.0	127.0	186.9
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	7.2	0.22				
(Fiscal)	1.1	0.19				
National	33.5	1.01				
Fiscal	5.2	0.92				

AAL Distribution by Hazard



Disaster Risk Development Implications



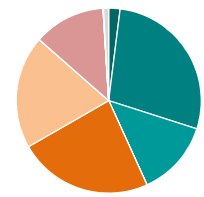
DRDI **45.73**

Ranking		
World	105	168
Region	19	51
Economy	32	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	892.2	0.5	0.58
	Middle low	8 953.8	7.3	0.82
	Middle high	4 492.0	3.5	0.78
	High			
Services	Commercial	7 504.9	6.2	0.82
	Industrial	6 407.1	5.2	0.81
Education	Private	27.4	0.0	0.09
	Public	4 118.6	3.3	0.80
Health	Private	45.3	0.0	0.14
	Public	81.5	0.0	0.22
Government	Assets	479.0	0.2	0.50
	National	33 002.0	26.2	0.80
	Fiscal	5 571.4	4.1	0.73

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

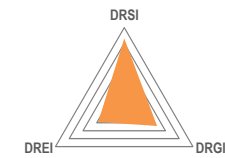
AAL/SE **DRSI** **48.6**

Disaster Risk Growth & Financial Implications

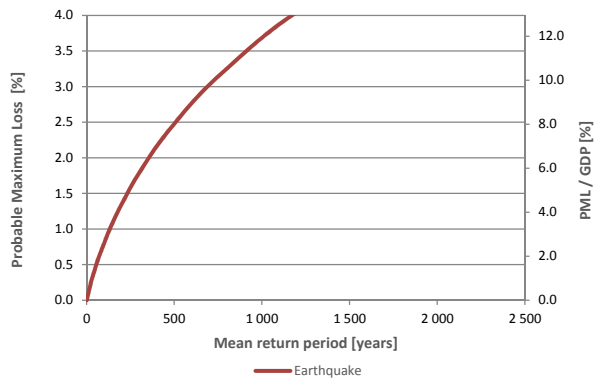
AAL/TR 0.01
AAL/GFCF 0.01
DRGI **44.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **43.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.03				
(Fiscal)	0.00				

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CAPRA Team

Madagascar

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	22 924 852
- Urban	[%]	33.8
- Rural	[%]	66.2
Land area	[km²]	581 795.0
Pop.Density	[km²/Hab]	39.4
GINI	[value]	40.60
HDI	[value]	0.50
Exposed Value	[million US$]	23 556
- Fiscal	[million US$]	13 927

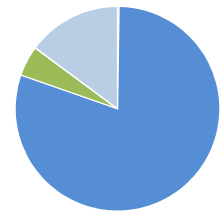
Economic Indicators

GDP Gross Domestic Product	[million US$]	10 613.5
GDP per capita	[US$]	463.0
GNE Gross National Expenditure	[million US$]	11 984.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	401.0
GFCF Gross Fixed Capital Formation	[million US$]	1 666.8
TR Total Reserves	[million US$]	776.1
Public spending on education	[% GDP]	2.7
Health Expenditure	[% GDP]	4.1

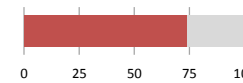
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.6	0.02	6.2	17.8	40.5	86.8
(Fiscal)	0.4	0.03	4.0	11.7	26.5	56.2
Cyclonic Wind	194.6	8.28	1 021.6	1 247.4	1 318.9	1 432.3
(Fiscal)	122.0	8.76	638.4	757.3	827.4	883.2
Storm Surge	11.7	0.50	82.9	93.1	96.9	104.5
(Fiscal)	6.9	0.50	48.8	56.5	58.4	62.2
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	36.1	1.54				
(Fiscal)	24.0	1.72				
National	242.9	10.34				
Fiscal	153.3	11.01				

AAL Distribution by Hazard



Disaster Risk Development Implications



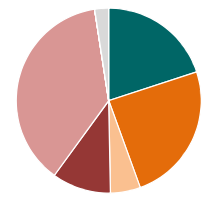
DRDI **73.75**

Ranking		
World	1	168
Region	1	57
Economy	1	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 642.8	38.7	8.33
	Middle low			
	Middle high			
	High			
Services	Commercial	5 640.2	47.4	8.40
	Industrial	1 443.8	10.2	7.04
Education	Private	2 542.4	19.9	7.85
	Public	8 475.2	72.6	8.57
Health	Private	1.8	0.001	0.34
	Public	3.8	0.003	0.71
Government	Assets	805.7	4.7	5.88
	National	23 555.7	193.5	8.21
	Fiscal	13 927.5	116.0	8.33

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

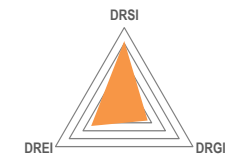
AAL/SE **DRSI** **75.2**

Disaster Risk Growth & Financial Implications

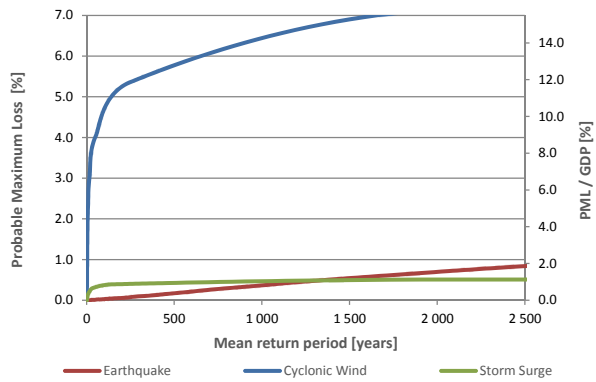
AAL/TR 0.31
AAL/GFCF 0.15
DRGI **72.7**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.61
DREI **73.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.001	0.49	0.03		0.09
(Fiscal)	0.001	0.30	0.02		0.06
AAL/GNE	0.000	0.02	0.001		0.003
(Fiscal)	0.000	0.01	0.001		0.002
AAL/TR	0.001	0.25	0.02		0.05
(Fiscal)	0.000	0.16	0.01		0.03
AAL/GFCF	0.000	0.12	0.01		0.02
(Fiscal)	0.000	0.07	0.00		0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.001	0.09	0.01		
(Fiscal)	0.000	0.05	0.00		
PML250/GDP	0.001	0.10	0.01		
(Fiscal)	0.000	0.06	0.00		

CIMNE
International Centre for Numerical Methods in Engineering

INGENIAR Ltd

CAPRA Team

Malawi

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

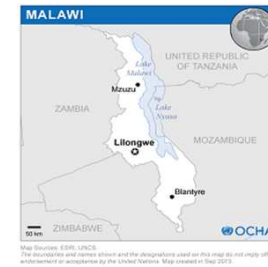
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	16 362 567
- Urban	[%]	15.9
- Rural	[%]	84.1
Land area	[km²]	94 280.0
Pop.Density	[km²/Hab]	173.6
GINI	[value]	46.10
HDI	[value]	0.41
Exposed Value	[million US$]	18 363
- Fiscal	[million US$]	14 839

Economic Indicators

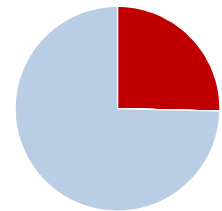
GDP Gross Domestic Product	[million US$]	3 705.4
GDP per capita	[US$]	226.5
GNE Gross National Expenditure	[million US$]	4 366.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	333.9
GFCF Gross Fixed Capital Formation	[million US$]	731.4
TR Total Reserves	[million US$]	428.6
Public spending on education	[% GDP]	5.3
Health Expenditure	[% GDP]	9.2



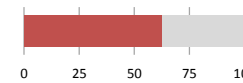
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	8.2	0.45	128.7	327.3	590.8	979.1
(Fiscal)	6.2	0.42	96.2	247.1	452.9	759.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	24.1	1.31				
(Fiscal)	16.2	1.09				
National	32.3	1.76				
Fiscal	22.4	1.51				

AAL Distribution by Hazard



Disaster Risk Development Implications



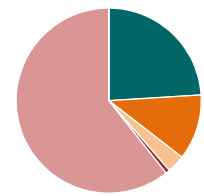
DRDI **62.67**

Ranking		
World	16	168
Region	2	57
Economy	7	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 344.1	1.8	0.42
	Middle low			
	Middle high			
	High			
Services	Commercial	2 299.1	0.9	0.38
	Industrial	882.7	0.2	0.27
Education	Private	334.0	0.1	0.17
	Public	10 480.8	4.6	0.44
Health	Private	8.8	0.0	0.03
	Public	14.0	0.0	0.06
Government	Assets			
National		18 363.4	7.6	0.41
Fiscal		14 838.9	6.4	0.43

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

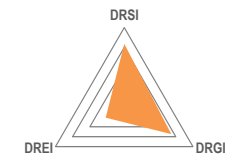
AAL/SE **DRSI** **64.4**

Disaster Risk Growth & Financial Implications

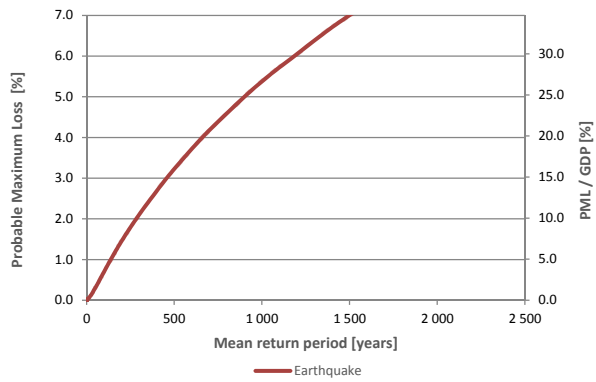
AAL/TR 0.08
AAL/GFCF 0.04
DRGI **63.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.10
DREI **60.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02				0.07
(Fiscal)	0.02				0.05
AAL/GNE	0.00				0.01
(Fiscal)	0.00				0.00
AAL/TR	0.02				0.06
(Fiscal)	0.01				0.04
AAL/GFCF	0.01				0.03
(Fiscal)	0.01				0.02
AAL/SE					
(Fiscal)					
PML250/GNE	0.03				
(Fiscal)	0.02				
PML250/GDP	0.03				
(Fiscal)	0.03				

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Malaysia

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	29 716 964
- Urban	[%]	73.3
- Rural	[%]	26.7
Land area	[km²]	328 550.0
Pop.Density	[km²/Hab]	90.4
GINI	[value]	46.20
HDI	[value]	0.77
Exposed Value	[million US$]	1 175 186
- Fiscal	[million US$]	139 738

Economic Indicators

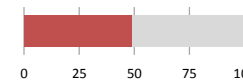
GDP Gross Domestic Product	[million US$]	313 159.1
GDP per capita	[US$]	10 538.1
GNE Gross National Expenditure	[million US$]	284 108.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	96 870.6
GFCF Gross Fixed Capital Formation	[million US$]	84 107.1
TR Total Reserves	[million US$]	134 853.7
Public spending on education	[% GDP]	5.9
Health Expenditure	[% GDP]	4.0

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	1 271.1	1.09				
(Fiscal)	133.4	0.95				
National	1 271.1	1.09				
Fiscal	133.4	0.95				

AAL Distribution by Hazard

Disaster Risk Development Implications



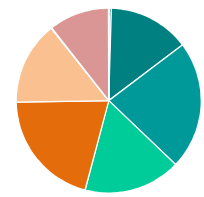
DRDI **48.86**

Ranking		
World	87	168
Region	30	48
Economy	17	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	9 514.8	0.0	0.00
	Middle low	169 226.1	1.4	0.01
	Middle high	255 217.0	2.3	0.01
	High	197 440.8	1.7	0.01
Services	Commercial	235 681.7	2.1	0.01
	Industrial	173 905.2	1.5	0.01
Education	Private	3 208.5	0.0	0.00
	Public	129 608.7	1.1	0.01
Health	Private	768.6	0.0	0.00
	Public	614.8	0.0	0.00
Government	Assets			
	National	1 175 186.2	10.1	0.01
	Fiscal	139 738.3	1.1	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

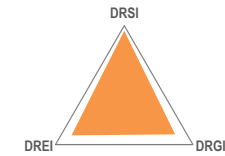
AAL/SE **DRSI** **56.0**

Disaster Risk Growth & Financial Implications

AAL/TR 0.01
AAL/GFCF 0.02
DRGI **44.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **46.1**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.01
(Fiscal)					0.00
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.01
(Fiscal)					0.00
AAL/GFCF					0.02
(Fiscal)					0.00
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Brief Country Risk Profile

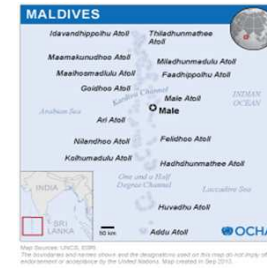
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	345 023
- Urban	[%]	43.4
- Rural	[%]	56.6
Land area	[km^2]	300.0
Pop.Density	[km^2/Hab]	1 150.1
GINI	[value]	37.30
HDI	[value]	0.70
Exposed Value	[million US$]	7 443
- Fiscal	[million US$]	1 285

Economic Indicators

GDP Gross Domestic Product	[million US$]	2 299.8
GDP per capita	[US$]	6 665.8
GNE Gross National Expenditure	[million US$]	1 376.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	128.1
GFCF Gross Fixed Capital Formation	[million US$]	401.1
TR Total Reserves	[million US$]	381.9
Public spending on education	[% GDP]	5.9
Health Expenditure	[% GDP]	8.5

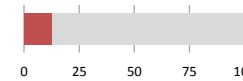


National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	0.0	0.02	0.0	0.0	0.3	4.9
National						
Fiscal	0.0	0.02				

AAL Distribution by Hazard

Disaster Risk Development Implications



DRDI **12.61**

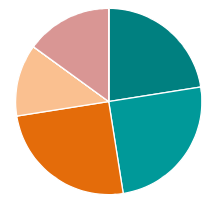
Ranking

SIDS Country	47	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	65.3	0.0	0.00
	Middle low	1 491.7	0.0	0.00
	Middle high	1 794.9	0.0	0.00
	High			
Services	Commercial	1 764.8	0.0	0.00
	Industrial	1 045.3	0.0	0.00
Education	Private	53.0	0.0	0.00
	Public	1 205.5	0.0	0.00
Health	Private	8.2	0.0	0.00
	Public	14.5	0.0	0.00
Government	Assets			
	National	7 443.3	0.0	0.00
	Fiscal	1 285.2	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

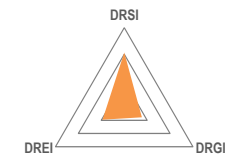
AAL/SE **DRSI** **20.6**

Disaster Risk Growth & Financial Implications

AAL/TR
AAL/GFCF **DRGI** **7.7**

Disaster Risk Economic Implications

AAL/PC
AAL/GS **DREI** **9.5**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				0.000
AAL/GNE				
(Fiscal)				0.000
AAL/TR				
(Fiscal)				0.000
AAL/GFCF				
(Fiscal)				0.000
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	15 301 650
- Urban	[%]	38.4
- Rural	[%]	61.6
Land area	[km^2]	1 220 190.0
Pop.Density	[km^2/Hab]	12.5
GINI	[value]	33.00
HDI	[value]	0.41
Exposed Value	[million US$]	27 765
- Fiscal	[million US$]	13 497

Economic Indicators

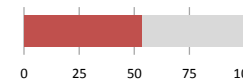
GDP Gross Domestic Product	[million US$]	10 942.7
GDP per capita	[US$]	715.1
GNE Gross National Expenditure	[million US$]	11 011.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 927.2
GFCF Gross Fixed Capital Formation	[million US$]	1 684.1
TR Total Reserves	[million US$]	1 305.7
Public spending on education	[% GDP]	4.8
Health Expenditure	[% GDP]	5.8

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	44.8	1.61				
(Fiscal)	25.2	1.87				
National	44.8	1.61				
Fiscal	25.2	1.87				

AAL Distribution by Hazard

Disaster Risk Development Implications



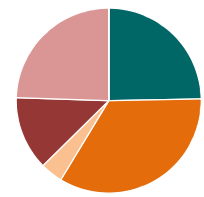
DRDI **53.68**

Ranking		
World	51	168
Region	14	57
Economy	22	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	6 781.3	0.0	0.00
	Middle low			
	Middle high			
	High			
Services	Commercial	8 795.0	0.0	0.00
	Industrial	1 686.6	0.0	0.00
Education	Private	3 777.8	0.0	0.00
	Public	6 708.1	0.0	0.00
Health	Private	8.5	0.0	0.00
	Public	7.8	0.0	0.00
Government	Assets			
	National	27 765.0	0.0	0.00
	Fiscal	13 497.1	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

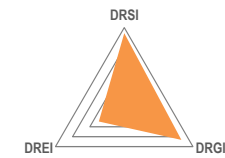
AAL/SE **DRSI** **55.4**

Disaster Risk Growth & Financial Implications

AAL/TR 0.03
AAL/GFCF 0.03
DRGI **54.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **51.0**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.02
(Fiscal)					0.01
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.03
(Fiscal)					0.02
AAL/GFCF					0.03
(Fiscal)					0.01
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Malta

Europe

GAR Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

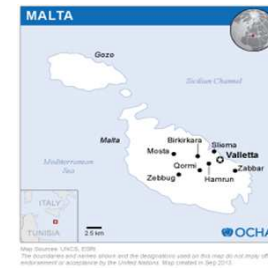
UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	423 282
- Urban	[%]	95.1
- Rural	[%]	4.9
Land area	[km²]	320.0
Pop.Density	[km²/Hab]	1 322.8
GINI	[value]	
HDI	[value]	0.83
Exposed Value	[million US$]	36 990
- Fiscal	[million US$]	2 642

Economic Indicators

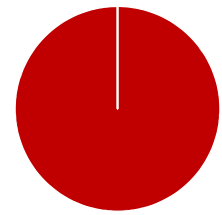
GDP Gross Domestic Product	[million US$]	9 642.3
GDP per capita	[US$]	22 779.9
GNE Gross National Expenditure	[million US$]	8 864.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 125.0
GFCF Gross Fixed Capital Formation	[million US$]	1 333.6
TR Total Reserves	[million US$]	596.9
Public spending on education	[% GDP]	6.9
Health Expenditure	[% GDP]	9.1



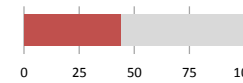
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	13.3	0.36	122.1	348.8	722.3	1 434.7
(Fiscal)	0.9	0.34	8.2	23.5	48.7	96.7
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	13.3	0.36				
Fiscal	0.9	0.34				

AAL Distribution by Hazard



Disaster Risk Development Implications



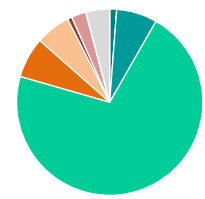
DRDI **43.87**

Ranking		
World	120	168
Region	1	51
Economy	21	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	30.0	0.0	0.05
	Middle low	533.2	0.2	0.29
	Middle high	2 630.6	0.9	0.36
	High	25 922.3	9.5	0.37
Services	Commercial	2 602.2	0.9	0.36
	Industrial	2 266.5	0.8	0.36
Education	Private	379.2	0.1	0.27
	Public	1 005.3	0.3	0.34
Health	Private	13.9	0.0	0.00
	Public	45.8	0.0	0.10
Government	Assets	1 561.3	0.5	0.35
	National	36 990.3	13.3	0.36
	Fiscal	2 642.4	0.9	0.34

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

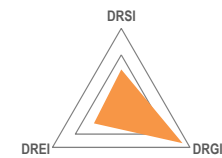
AAL/SE **DRSI** **42.2**

Disaster Risk Growth & Financial Implications

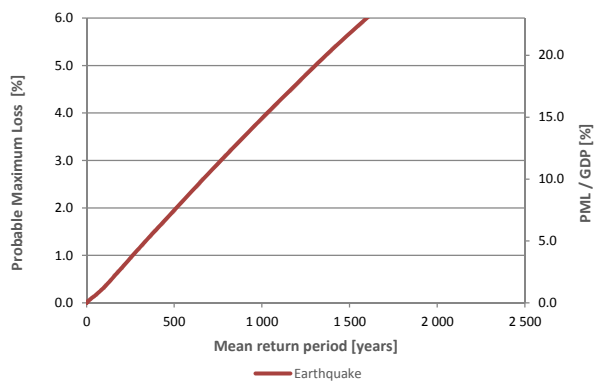
AAL/TR 0.02
AAL/GFCF 0.01
DRGI **48.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **41.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.01			
(Fiscal)	0.00			
AAL/GNE	0.00			
(Fiscal)	0.00			
AAL/TR	0.02			
(Fiscal)	0.00			
AAL/GFCF	0.01			
(Fiscal)	0.00			
AAL/SE				
(Fiscal)				
PML250/GNE	0.01			
(Fiscal)	0.00			
PML250/GDP	0.01			
(Fiscal)	0.00			

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CAPRA Team

Marshall Islands

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	52 634
- Urban	[%]	72.2
- Rural	[%]	27.8
Land area	[km²]	180.0
Pop.Density	[km²/Hab]	292.4
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	766
- Fiscal	[million US$]	160

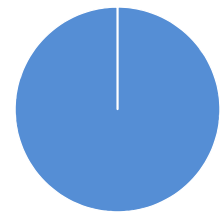
Economic Indicators

GDP Gross Domestic Product	[million US$]	190.9
GDP per capita	[US$]	3 627.2
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	15.6

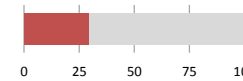
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	0.3	0.33	4.7	6.0	6.3	6.8
(Fiscal)	0.1	0.31	1.0	1.3	1.3	1.4
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	0.3	0.33				
Fiscal	0.1	0.31				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **29.6**

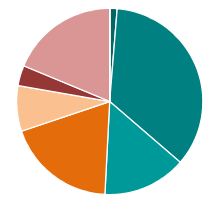
Ranking

SIDS Country **39** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	16.3	0.0	0.17
	Middle low	248.9	0.1	0.31
	Middle high	112.7	0.0	0.28
	High			
Services	Commercial	143.5	0.0	0.29
	Industrial	65.8	0.0	0.26
Education	Private	35.8	0.0	0.22
	Public	141.8	0.0	0.29
Health	Private	0.0	0.0	0.00
	Public	1.6	0.0	0.00
Government	Assets			
National		766.3	0.2	0.28
Fiscal		159.6	0.0	0.27

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

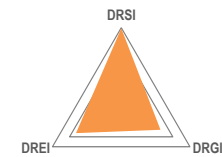
AAL/SE — DRSI **39.7**

Disaster Risk Growth & Financial Implications

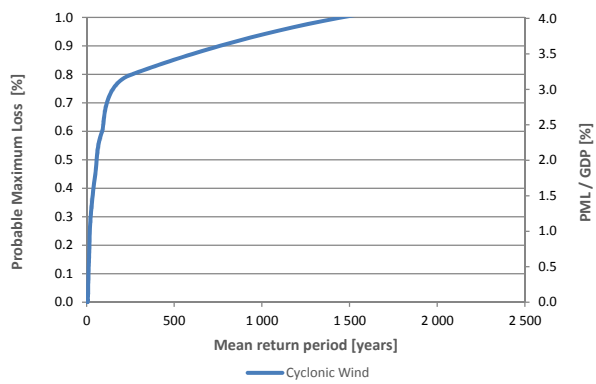
AAL/TR
AAL/GFCF — DRGI **22.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS — DREI **26.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP		0.02		
(Fiscal)		0.01		

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CAPRA Team

Martinique

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	392 291
- Urban	[%]	89.1
- Rural	[%]	10.9
Land area	[km²]	1 128.0
Pop.Density	[km²/Hab]	347.8
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	39 560
- Fiscal	[million US$]	1 671

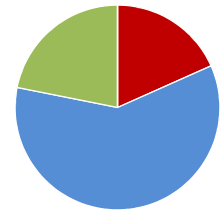
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

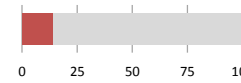
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	78.9	1.99	1 670.3	3 439.6	5 272.0	7 232.1
(Fiscal)	3.1	1.88	67.5	140.8	216.0	294.6
Cyclonic Wind	257.4	6.51	6 707.9	13 762.9	17 279.5	19 555.7
(Fiscal)	10.3	6.13	266.5	548.4	692.5	785.0
Storm Surge	94.1	2.38	2 199.0	2 821.4	3 361.5	3 587.8
(Fiscal)	3.5	2.12	82.3	106.1	127.2	135.9
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	430.4	10.88				
Fiscal	16.9	10.13				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **14.08**

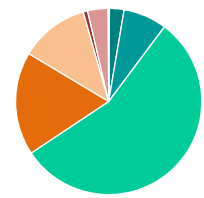
Ranking

SIDS Country **46** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	121.4	0.5	3.76
	Middle low	1 076.6	8.5	7.88
	Middle high	3 008.6	25.4	8.44
	High	21 620.4	186.5	8.62
Services	Commercial	7 030.2	60.3	8.57
	Industrial	4 729.2	40.3	8.53
Education	Private	406.5	2.6	6.40
	Public	1 486.6	12.1	8.12
Health	Private	17.3	0.0	0.00
	Public	63.2	0.2	2.67
Government	Assets			
	National	39 560.0	336.3	8.50
	Fiscal	1 671.2	12.7	7.60

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

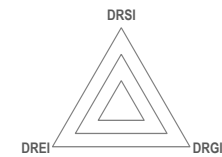
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

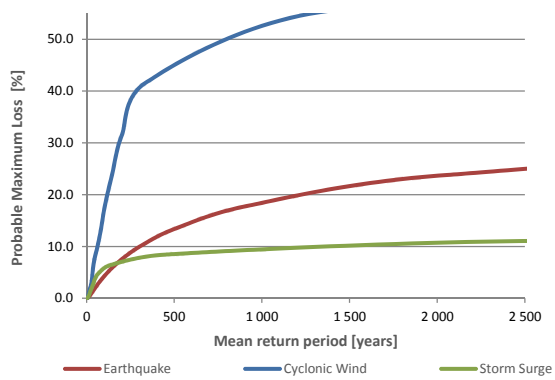
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS **DREI** **42.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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CAPRA Team

Mauritania

Africa

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	3 889 880
- Urban	[%]	58.6
- Rural	[%]	41.4
Land area	[km²]	1 030 700.0
Pop.Density	[km²/Hab]	3.8
GINI	[value]	40.40
HDI	[value]	0.49
Exposed Value	[million US$]	12 011
- Fiscal	[million US$]	4 889

Economic Indicators

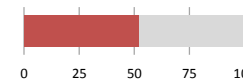
GDP Gross Domestic Product	[million US$]	4 158.2
GDP per capita	[US$]	1 069.0
GNE Gross National Expenditure	[million US$]	4 169.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	428.7
GFCF Gross Fixed Capital Formation	[million US$]	1 579.0
TR Total Reserves	[million US$]	968.6
Public spending on education	[% GDP]	3.7
Health Expenditure	[% GDP]	6.4

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.2	0.02	4.3	9.5	17.4	31.0
(Fiscal)	0.1	0.02	1.8	4.0	7.4	13.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	18.9	1.58				
(Fiscal)	9.5	1.94				
National	19.1	1.59				
Fiscal	9.6	1.96				

AAL Distribution by Hazard

Disaster Risk Development Implications



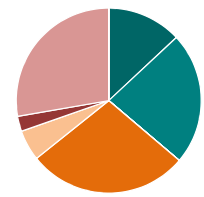
DRDI **51.92**

Ranking		
World	63	168
Region	19	57
Economy	26	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 625.4	0.0	0.01
	Middle low	2 750.6	0.0	0.01
	Middle high			
	High			
Services	Commercial	3 263.2	0.0	0.01
	Industrial	727.4	0.0	0.01
Education	Private	379.8	0.0	0.01
	Public	3 261.9	0.0	0.01
Health	Private	0.8	0.0	0.00
	Public	1.6	0.0	0.00
Government	Assets			
	National	12 010.8	0.2	0.01
	Fiscal	4 889.0	0.1	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

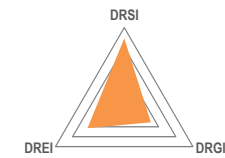
AAL/SE **DRSI** **57.3**

Disaster Risk Growth & Financial Implications

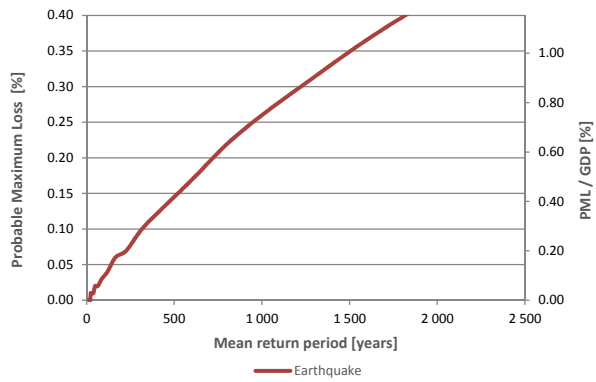
AAL/TR 0.02
AAL/GFCF 0.01
DRGI **47.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.04
DREI **50.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.04
(Fiscal)	0.00				0.02
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.02
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Mauritius

Africa

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Brief Country Risk Profile

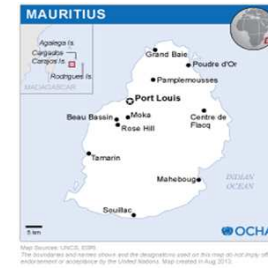
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 296 303
- Urban	[%]	40.0
- Rural	[%]	60.0
Land area	[km²]	2 030.0
Pop.Density	[km²/Hab]	638.6
GINI	[value]	35.90
HDI	[value]	0.77
Exposed Value	[million US$]	44 218
- Fiscal	[million US$]	5 914

Economic Indicators

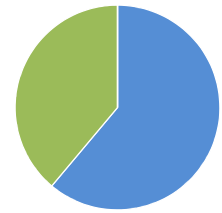
GDP Gross Domestic Product	[million US$]	11 929.3
GDP per capita	[US$]	9 202.5
GNE Gross National Expenditure	[million US$]	13 384.4
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 625.2
GFCF Gross Fixed Capital Formation	[million US$]	2 528.3
TR Total Reserves	[million US$]	3 490.8
Public spending on education	[% GDP]	3.5
Health Expenditure	[% GDP]	4.8



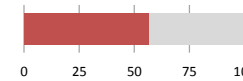
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	57.2	1.29	1 238.7	1 600.6	1 912.8	2 032.4
(Fiscal)	6.2	1.04	141.4	186.4	203.9	239.0
Storm Surge	36.4	0.82	382.8	495.3	531.6	604.1
(Fiscal)	8.8	1.49	80.9	105.0	125.8	134.7
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	93.5	2.11				
Fiscal	15.0	2.53				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **56.57**

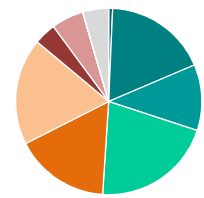
Ranking

SIDS Country **21** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	555.9	0.4	0.68
	Middle low	7 512.1	10.2	1.36
	Middle high	5 119.0	6.6	1.28
	High	8 642.5	12.0	1.39
Services	Commercial	7 073.4	9.4	1.33
	Industrial	7 748.2	10.6	1.37
Education	Private	2 156.6	2.2	1.02
	Public	2 858.6	3.2	1.12
Health	Private	52.9	0.01	0.26
	Public	31.6	0.01	0.19
Government	Assets	2 467.5	2.6	1.04
National		44 218.3	57.2	1.29
Fiscal		5 913.6	6.1	1.04

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

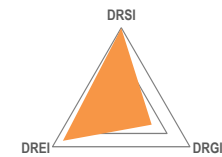
AAL/SE — **DRSI** **58.0**

Disaster Risk Growth & Financial Implications

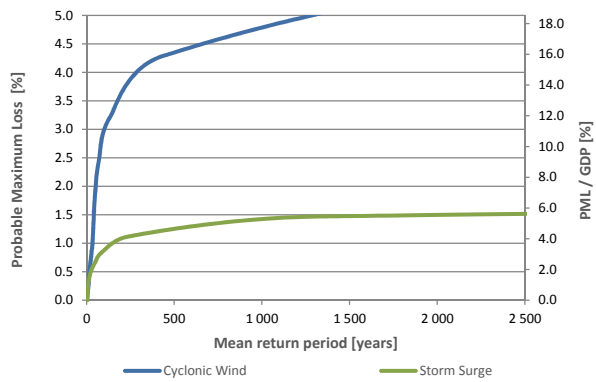
AAL/TR 0.03
AAL/GFCF 0.04
DRGI **54.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.06
DREI **57.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS		0.04	0.02	
(Fiscal)		0.004	0.01	
AAL/GNE		0.004	0.003	
(Fiscal)		0.000	0.001	
AAL/TR		0.02	0.01	
(Fiscal)		0.002	0.003	
AAL/GFCF		0.02	0.01	
(Fiscal)		0.002	0.003	
AAL/SE				
(Fiscal)				
PML250/GNE		0.09	0.03	
(Fiscal)		0.01	0.01	
PML250/GDP		0.10	0.03	
(Fiscal)		0.01	0.01	

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CAPRA Team

Mayotte

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	212 600
- Urban	[%]	50.1
- Rural	[%]	49.9
Land area	[km²]	374.0
Pop.Density	[km²/Hab]	568.4
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	6 949
- Fiscal	[million US$]	457

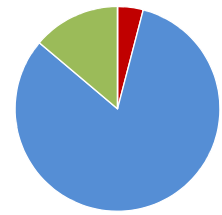
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

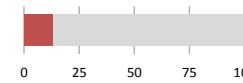
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1.8	0.26	8.0	29.7	96.0	299.8
(Fiscal)	0.1	0.26	0.5	2.0	6.3	20.0
Cyclonic Wind	36.3	5.23	805.9	981.9	1 168.6	1 211.9
(Fiscal)	2.5	5.40	55.0	67.2	80.2	82.8
Storm Surge	6.1	0.88	196.1	244.8	267.5	312.0
(Fiscal)	0.6	1.29	15.5	17.8	20.7	21.5
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	44.2	6.36				
Fiscal	3.2	6.95				

AAL Distribution by Hazard



Disaster Risk Development Implications



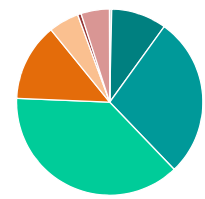
DRDI **13.27**

Ranking		
World	158	168
Region	42	57
Economy	47	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	75.9	0.1	1.75
	Middle low	672.6	3.7	5.44
	Middle high	1 879.6	10.6	5.65
	High	2 517.1	14.4	5.72
Services	Commercial	933.8	5.1	5.51
	Industrial	384.2	2.0	5.22
Education	Private	100.1	0.2	2.36
	Public	366.1	1.9	5.16
Health	Private	4.2	0.0	0.00
	Public	15.6	0.0	0.55
Government	Assets			
National		6 949.0	38.1	5.48
Fiscal		457.5	2.0	4.43

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

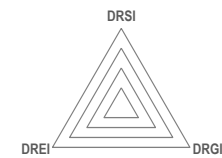
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

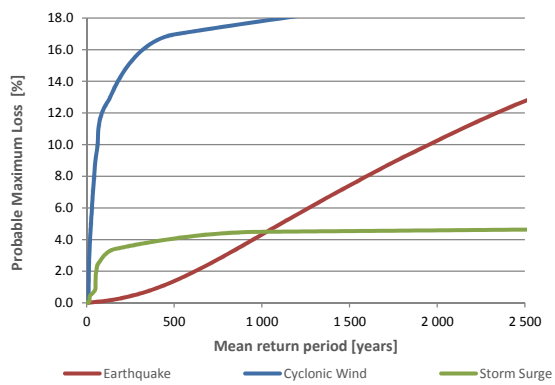
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS **DREI** **39.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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CAPRA Team

Mexico

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	122 332 400
- Urban	[%]	78.7
- Rural	[%]	21.3
Land area	[km²]	1 943 950.0
Pop.Density	[km²/Hab]	62.9
GINI	[value]	48.00
HDI	[value]	0.76
Exposed Value	[million US$]	4 581 705
- Fiscal	[million US$]	662 635

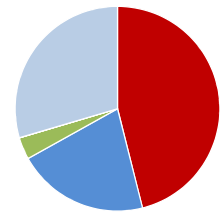
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 260 914.6
GDP per capita	[US$]	10 307.3
GNE Gross National Expenditure	[million US$]	1 269 260.0
SE Social Expenditure	[million US$]	0.2
GS Gross Savings	[million US$]	265 060.5
GFCF Gross Fixed Capital Formation	[million US$]	265 421.8
TR Total Reserves	[million US$]	180 200.0
Public spending on education	[% GDP]	5.2
Health Expenditure	[% GDP]	6.2

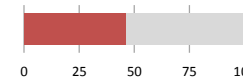
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1 354.7	0.30	8 506.4	16 842.9	28 285.1	47 052.1
(Fiscal)	154.0	0.23	1 003.0	2 006.1	3 399.1	5 737.3
Cyclonic Wind	613.0	0.14	12 954.0	18 031.6	21 346.7	25 828.2
(Fiscal)	85.1	0.13	1 776.3	2 480.1	2 994.3	3 682.5
Storm Surge	103.1	0.02	1 486.0	3 334.3	4 053.4	4 285.1
(Fiscal)	14.1	0.02	207.0	469.2	566.7	607.8
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	870.1	0.19				
(Fiscal)	124.1	0.19				
National	2 940.8	0.65				
Fiscal	377.3	0.57				

AAL Distribution by Hazard



Disaster Risk Development Implications



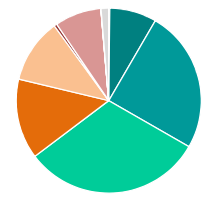
DRDI **46.28**

Ranking		
World	101	168
Region	15	46
Economy	22	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	19 241.5	3.8	0.19
	Middle low	382 055.9	161.4	0.42
	Middle high	935 649.6	489.6	0.52
	High	1 119 397.0	617.8	0.55
Services	Commercial	764 440.4	275.9	0.36
	Industrial	652 599.1	220.9	0.34
Education	Private	63 054.3	10.2	0.16
	Public	506 869.8	160.3	0.32
Health	Private	1 874.2	0.1	0.04
	Public	1 550.9	0.1	0.03
Government	Assets	134 972.7	26.4	0.20
National		4 581 705.4	1 966.4	0.43
Fiscal		662 634.9	190.6	0.29

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

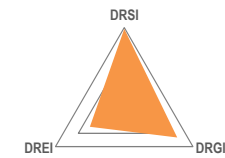
AAL/SE 18061.09 **DRSI** **49.8**

Disaster Risk Growth & Financial Implications

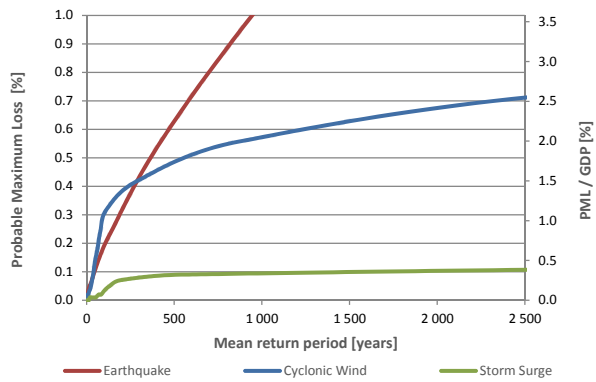
AAL/TR 0.02
AAL/GFCF 0.01 **DRGI** **46.6**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **42.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/GNE	0.00	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/TR	0.01	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/GFCF	0.01	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/SE	8319.66	3764.90	632.89		5343.64
(Fiscal)	945.49	522.71	86.72		762.29
PML250/GNE	0.01	0.01	0.00		
(Fiscal)	0.00	0.00	0.00		
PML250/GDP	0.01	0.01	0.00		
(Fiscal)	0.00	0.00	0.00		

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CAPRA Team

Micronesia

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

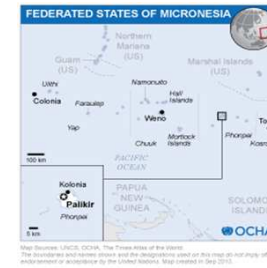
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	103 549
- Urban	[%]	22.3
- Rural	[%]	77.7
Land area	[km²]	700.0
Pop.Density	[km²/Hab]	147.9
GINI	[value]	61.10
HDI	[value]	0.63
Exposed Value	[million US$]	1 348
- Fiscal	[million US$]	495

Economic Indicators

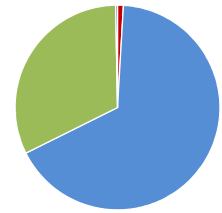
GDP Gross Domestic Product	[million US$]	316.2
GDP per capita	[US$]	3 054.1
GNE Gross National Expenditure	[million US$]	192.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	37.8
TR Total Reserves	[million US$]	84.3
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	12.8



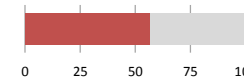
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.04	0.8	2.0	3.7	6.1
(Fiscal)	0.0	0.04	0.3	0.8	1.4	2.4
Cyclonic Wind	4.3	3.20	87.9	137.9	172.5	188.2
(Fiscal)	1.6	3.21	32.1	51.1	64.2	70.5
Storm Surge	2.1	1.54	68.0	81.4	94.6	100.1
(Fiscal)	0.8	1.56	25.5	31.0	36.9	38.0
Tsunami	0.0	0.01	0.1	1.0	2.0	3.4
(Fiscal)	0.0	0.04	0.2	0.8	1.3	2.7
National	6.5	4.79				
Fiscal	2.4	4.85				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **56.5**

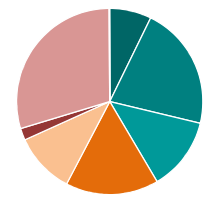
Ranking

SIDS Country **22** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	103.2	0.3	3.07
	Middle low	281.1	0.9	3.34
	Middle high	173.8	0.6	3.21
	High			
Services	Commercial	216.8	0.7	3.26
	Industrial	146.2	0.5	3.16
Education	Private	34.7	0.1	2.60
	Public	387.1	1.3	3.34
Health	Private	0.3	0.0	0.0
	Public	4.6	0.003	0.68
Government	Assets			
National		1 347.8	4.4	3.24
Fiscal		494.8	1.6	3.26

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

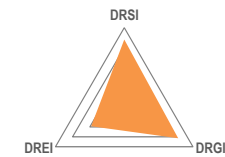
AAL/SE **DRSI** **68.1**

Disaster Risk Growth & Financial Implications

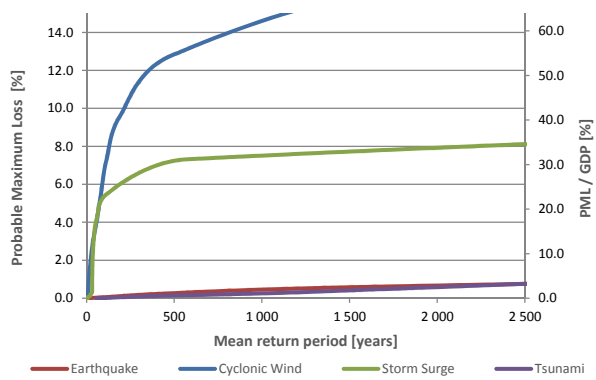
AAL/TR 0.08
AAL/GFCF 0.17
DRGI **62.9**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS
DREI **38.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE	0.000	0.02	0.01	0.000
(Fiscal)	0.000	0.01	0.00	0.000
AAL/TR	0.001	0.05	0.02	0.000
(Fiscal)	0.000	0.02	0.01	0.000
AAL/GFCF	0.002	0.11	0.05	0.001
(Fiscal)	0.001	0.04	0.02	0.001
AAL/SE				
(Fiscal)				
PML250/GNE	0.004	0.46	0.35	0.001
(Fiscal)	0.001	0.17	0.13	0.001
PML250/GDP	0.002	0.28	0.22	0.000
(Fiscal)	0.001	0.10	0.08	0.001

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CAPRA Team

Moldova

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	3 559 000
- Urban	[%]	44.9
- Rural	[%]	55.1
Land area	[km²]	32 860.0
Pop.Density	[km²/Hab]	108.3
GINI	[value]	30.60
HDI	[value]	0.66
Exposed Value	[million US$]	33 769
- Fiscal	[million US$]	12 036

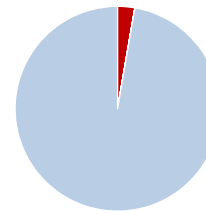
Economic Indicators

GDP Gross Domestic Product	[million US$]	7 969.6
GDP per capita	[US$]	2 239.3
GNE Gross National Expenditure	[million US$]	10 972.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 225.0
GFCF Gross Fixed Capital Formation	[million US$]	1 821.1
TR Total Reserves	[million US$]	2 820.6
Public spending on education	[% GDP]	8.4
Health Expenditure	[% GDP]	11.7

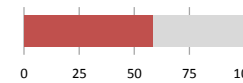
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2.8	0.08	35.7	103.0	211.3	396.1
(Fiscal)	1.0	0.08	12.4	35.9	73.8	138.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	101.1	2.99				
(Fiscal)	35.5	2.95				
National	103.9	3.08				
Fiscal	36.5	3.03				

AAL Distribution by Hazard



Disaster Risk Development Implications



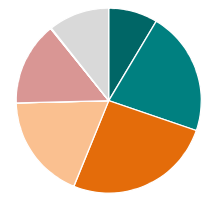
DRDI **58.52**

Ranking		
World	29	168
Region	2	51
Economy	11	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3 170.4	0.2	0.07
	Middle low	7 083.6	0.6	0.08
	Middle high			
	High			
Services	Commercial	8 356.3	0.7	0.08
	Industrial	6 158.3	0.5	0.08
Education	Private	35.0	0.0	0.01
	Public	4 970.3	0.4	0.08
Health	Private	100.1	0.0	0.02
	Public	97.0	0.0	0.02
Government	Assets	3 798.3	0.3	0.07
	National	33 769.1	2.6	0.08
	Fiscal	12 035.9	0.9	0.07

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

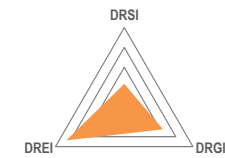
AAL/SE **DRSI** **56.3**

Disaster Risk Growth & Financial Implications

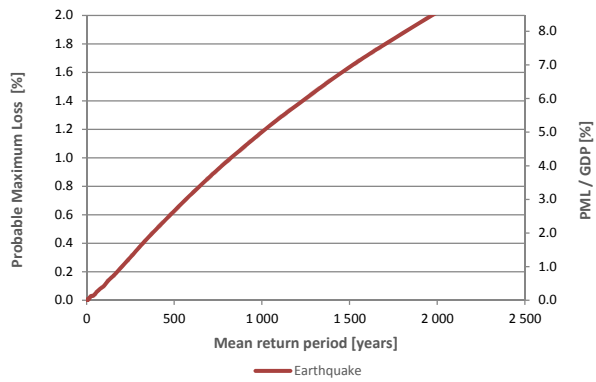
AAL/TR 0.04
AAL/GFCF 0.06
DRGI **58.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.08
DREI **60.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.08
(Fiscal)	0.00				0.03
AAL/GNE	0.00				0.01
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.04
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.06
(Fiscal)	0.00				0.02
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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CAPRA Team

Monaco

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	37 831
- Urban	[%]	100.0
- Rural	[%]	0.0
Land area	[km²]	2.0
Pop.Density	[km²/Hab]	18 915.5
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	20 716
- Fiscal	[million US$]	476

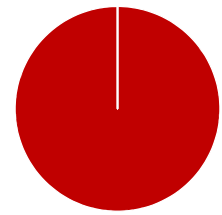
Economic Indicators

GDP Gross Domestic Product	[million US$]	6 074.5
GDP per capita	[US$]	163 025.9
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	1.6
Health Expenditure	[% GDP]	4.4

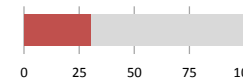
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	11.7	0.56	88.1	365.3	940.5	2 004.4
(Fiscal)	0.3	0.57	1.9	8.0	21.3	46.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	11.7	0.56				
Fiscal	0.3	0.57				

AAL Distribution by Hazard



Disaster Risk Development Implications



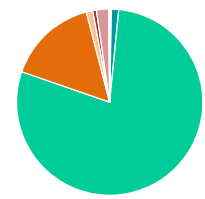
DRDI **30.4**

Ranking		
World	148	168
Region	35	51
Economy	36	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3.5	0.0	0.00
	Middle low	62.1	0.0	0.52
	Middle high	261.7	0.1	0.56
	High	16 300.4	9.2	0.57
Services	Commercial	3 243.8	1.8	0.56
	Industrial	230.3	0.1	0.56
Education	Private	136.0	0.1	0.56
	Public	450.6	0.3	0.56
Health	Private	6.0	0.0	0.32
	Public	21.9	0.0	0.52
Government	Assets			
	National	20 716.4	11.7	0.56
	Fiscal	476.0	0.3	0.56

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

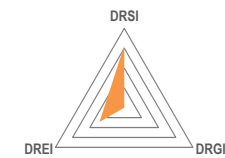
AAL/SE **DRSI** **62.4**

Disaster Risk Growth & Financial Implications

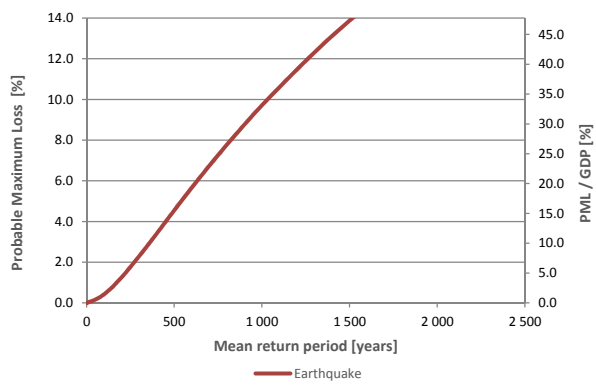
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **28.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP	0.01			
(Fiscal)	0.00			

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CAPRA Team

Mongolia

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 839 073
- Urban	[%]	70.4
- Rural	[%]	29.6
Land area	[km²]	1 553 560.0
Pop.Density	[km²/Hab]	1.8
GINI	[value]	36.50
HDI	[value]	0.70
Exposed Value	[million US$]	36 927
- Fiscal	[million US$]	9 515

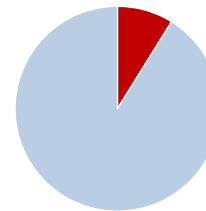
Economic Indicators

GDP Gross Domestic Product	[million US$]	11 516.4
GDP per capita	[US$]	4 056.4
GNE Gross National Expenditure	[million US$]	14 036.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	3 135.3
GFCF Gross Fixed Capital Formation	[million US$]	5 086.0
TR Total Reserves	[million US$]	2 247.9
Public spending on education	[% GDP]	5.5
Health Expenditure	[% GDP]	6.3

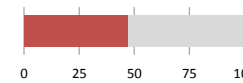
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.8	0.10	44.6	90.4	142.0	211.9
(Fiscal)	1.1	0.12	13.0	26.0	40.3	60.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	39.4	1.08				
(Fiscal)	10.7	1.12				
National	43.2	1.18				
Fiscal	11.8	1.24				

AAL Distribution by Hazard



Disaster Risk Development Implications



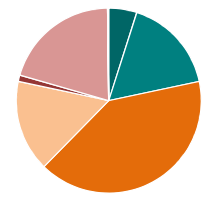
DRDI **47.14**

Ranking		
World	95	168
Region	33	48
Economy	29	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 917.8	0.2	0.09
	Middle low	6 272.8	0.6	0.09
	Middle high			
	High			
Services	Commercial	14 689.8	1.4	0.10
	Industrial	5 949.2	0.6	0.09
Education	Private	477.2	0.04	0.08
	Public	7 483.2	0.7	0.09
Health	Private	22.7	0.001	0.02
	Public	114.0	0.007	0.06
Government	Assets			
	National	36 926.7	3.5	0.09
	Fiscal	9 515.1	0.9	0.09

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

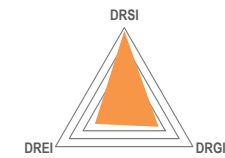
AAL/SE **DRSI** **48.8**

Disaster Risk Growth & Financial Implications

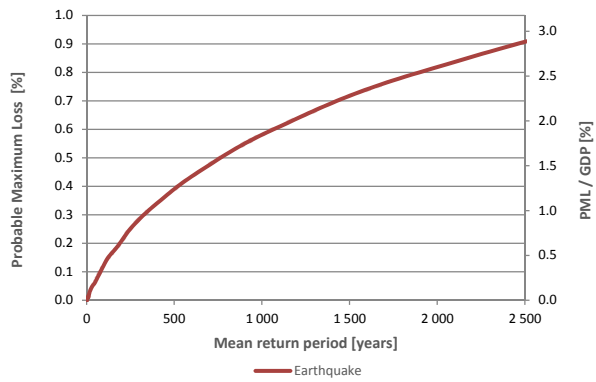
AAL/TR 0.02
AAL/GFCF 0.01
DRGI **46.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **46.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.001				0.01
(Fiscal)	0.000				0.003
AAL/GNE	0.000				0.003
(Fiscal)	0.000				0.001
AAL/TR	0.002				0.02
(Fiscal)	0.001				0.005
AAL/GFCF	0.001				0.01
(Fiscal)	0.000				0.002
AAL/SE					
(Fiscal)					
PML250/GNE	0.003				
(Fiscal)	0.001				
PML250/GDP	0.004				
(Fiscal)	0.001				

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CAPRA Team

Montenegro

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	621 383
- Urban	[%]	63.6
- Rural	[%]	36.4
Land area	[km²]	13 450.0
Pop.Density	[km²/Hab]	46.2
GINI	[value]	30.60
HDI	[value]	0.79
Exposed Value	[million US$]	8 894
- Fiscal	[million US$]	949

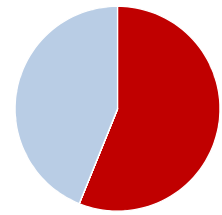
Economic Indicators

GDP Gross Domestic Product	[million US$]	4 416.1
GDP per capita	[US$]	7 106.9
GNE Gross National Expenditure	[million US$]	5 312.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	34.9
GFCF Gross Fixed Capital Formation	[million US$]	847.7
TR Total Reserves	[million US$]	584.0
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	7.6

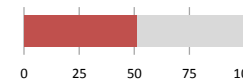
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	5.1	0.57	47.6	101.9	170.7	271.8
(Fiscal)	0.6	0.66	5.9	12.6	21.0	33.1
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	4.0	0.45				
(Fiscal)	0.5	0.51				
National	9.1	1.02				
Fiscal	1.1	1.17				

AAL Distribution by Hazard



Disaster Risk Development Implications



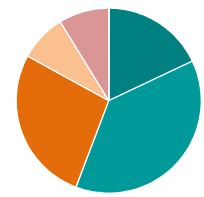
DRDI **51.44**

Ranking		
World	68	168
Region	12	51
Economy	13	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	58.2	0.0	0.08
	Middle low	1 610.2	0.9	0.56
	Middle high	3 160.0	1.9	0.61
	High			
Services	Commercial	2 343.9	1.4	0.59
	Industrial	822.2	0.4	0.51
Education	Private			
	Public	873.3	0.4	0.51
Health	Private	8.5	0.0	0.01
	Public	17.3	0.0	0.03
Government	Assets			
National		8 893.6	5.1	0.57
Fiscal		948.8	0.4	0.47

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

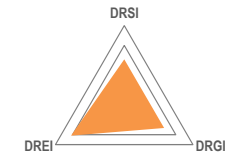
AAL/SE **DRSI** **46.0**

Disaster Risk Growth & Financial Implications

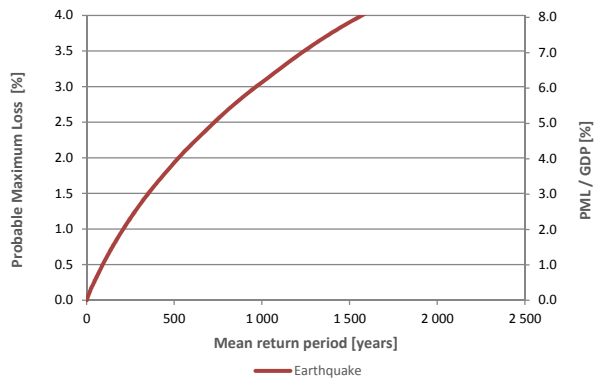
AAL/TR 0.02
AAL/GFCF 0.01
DRGI **46.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.26
DREI **61.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.15				0.11
(Fiscal)	0.02				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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CAPRA Team

Montserrat

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

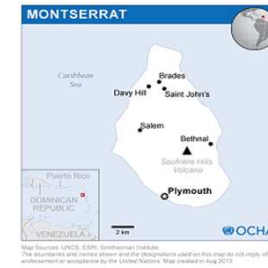
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	5 215
- Urban	[%]	14.2
- Rural	[%]	85.8
Land area	[km²]	102.0
Pop.Density	[km²/Hab]	51.1
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	158
- Fiscal	[million US$]	9

Economic Indicators

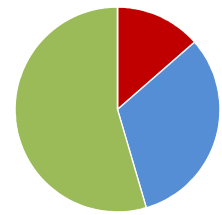
GDP Gross Domestic Product	[million US$]	
GDP per capita	[US$]	
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	



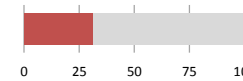
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1.1	6.88	21.5	33.8	42.6	51.5
(Fiscal)	0.1	6.36	1.4	2.2	2.8	3.4
Cyclonic Wind	2.6	16.16	64.7	85.4	94.5	111.0
(Fiscal)	0.2	15.91	3.8	5.1	5.7	6.6
Storm Surge	4.4	27.65	59.6	69.8	69.8	69.8
(Fiscal)	0.3	27.57	3.6	4.2	4.2	4.2
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	8.0	50.69				
Fiscal	0.5	49.84				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **31.21**

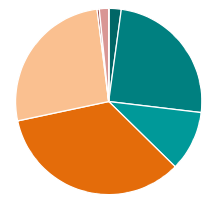
Ranking

SIDS Country **36** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4.8	0.1	16.51
	Middle low	37.8	0.9	23.91
	Middle high	16.8	0.4	22.76
	High			
Services	Commercial	52.1	1.3	24.09
	Industrial	40.2	1.0	23.92
Education	Private	2.0	0.0	7.16
	Public	4.6	0.1	12.88
Health	Private	0.0	0.0	0.00
	Public	0.0	0.0	0.00
Government	Assets			
	National	158.4	3.7	23.08
	Fiscal	9.4	0.1	14.71

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

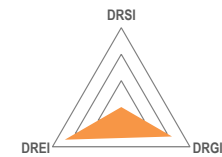
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

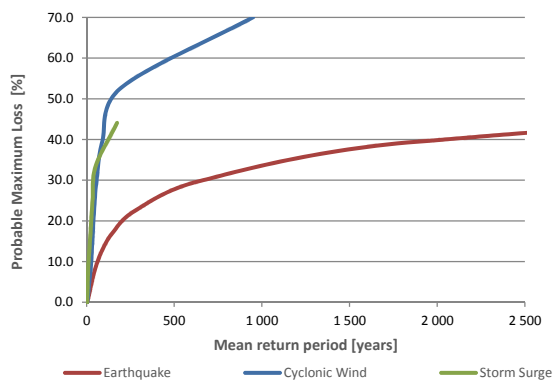
AAL/TR
AAL/GFCF **DRGI** **44.4**

Disaster Risk Economic Implications

AAL/PC 0.05
AAL/GS **DREI** **49.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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CAPRA Team

Morroco

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	33 008 150
- Urban	[%]	59.2
- Rural	[%]	40.8
Land area	[km^2]	446 300.0
Pop.Density	[km^2/Hab]	74.0
GINI	[value]	40.80
HDI	[value]	0.62
Exposed Value	[million US$]	376 240
- Fiscal	[million US$]	112 661

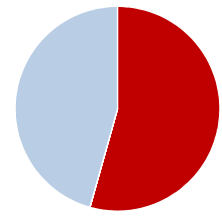
Economic Indicators

GDP Gross Domestic Product	[million US$]	103 835.7
GDP per capita	[US$]	3 092.6
GNE Gross National Expenditure	[million US$]	117 556.2
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	24 187.7
GFCF Gross Fixed Capital Formation	[million US$]	31 321.4
TR Total Reserves	[million US$]	19 257.7
Public spending on education	[% GDP]	5.4
Health Expenditure	[% GDP]	6.4

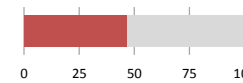
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	157.3	0.42	2 168.5	3 753.0	5 288.2	7 166.2
(Fiscal)	47.1	0.42	653.0	1 133.9	1 599.2	2 173.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	132.0	0.35				
(Fiscal)	38.4	0.34				
National	289.3	0.77				
Fiscal	85.5	0.76				

AAL Distribution by Hazard



Disaster Risk Development Implications



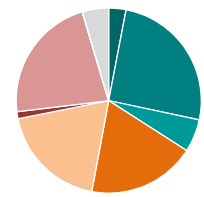
DRDI **46.69**

Ranking		
World	99	168
Region	3	57
Economy	30	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	12 928.2	4.7	0.36
	Middle low	96 310.5	39.6	0.41
	Middle high	23 246.5	8.9	0.38
	High			
Services	Commercial	68 749.5	29.5	0.43
	Industrial	68 900.7	29.6	0.43
Education	Private	6 169.7	1.9	0.31
	Public	80 651.5	34.9	0.43
Health	Private	202.4	0.03	0.17
	Public	115.7	0.02	0.15
Government	Assets	18 965.6	7.2	0.38
	National	376 240.3	156.3	0.42
	Fiscal	112 661.0	46.7	0.41

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

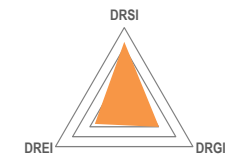
AAL/SE **DRSI** **51.4**

Disaster Risk Growth & Financial Implications

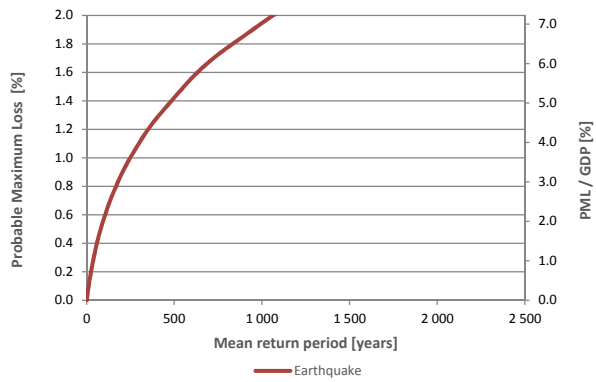
AAL/TR 0.02
AAL/GFCF 0.01
DRGI **45.1**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **43.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.01				
PML250/GDP	0.02				
(Fiscal)	0.01				

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CAPRA Team

Mozambique

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	25 833 752
- Urban	[%]	31.7
- Rural	[%]	68.3
Land area	[km²]	786 380.0
Pop.Density	[km²/Hab]	32.9
GINI	[value]	45.60
HDI	[value]	0.39
Exposed Value	[million US$]	36 511
- Fiscal	[million US$]	25 605

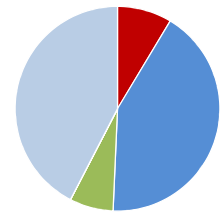
Economic Indicators

GDP Gross Domestic Product	[million US$]	15 630.3
GDP per capita	[US$]	605.0
GNE Gross National Expenditure	[million US$]	17 220.4
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	2 101.1
GFCF Gross Fixed Capital Formation	[million US$]	2 723.4
TR Total Reserves	[million US$]	3 353.3
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	6.4

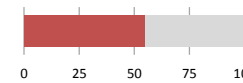
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	7.9	0.22	83.6	178.3	290.7	437.7
(Fiscal)	5.8	0.23	61.8	131.4	214.3	320.5
Cyclonic Wind	38.7	1.06	496.8	658.4	740.0	870.7
(Fiscal)	28.7	1.12	368.7	487.9	555.0	643.5
Storm Surge	6.4	0.17	89.6	126.5	154.5	177.9
(Fiscal)	4.5	0.17	62.8	89.0	108.8	126.4
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	39.0	1.07				
(Fiscal)	30.8	1.20				
National	92.0	2.53				
Fiscal	69.8	2.73				

AAL Distribution by Hazard



Disaster Risk Development Implications



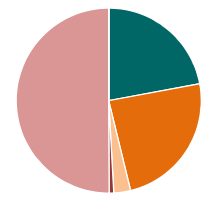
DRDI **54.82**

Ranking		
World	40	168
Region	10	57
Economy	17	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	8 142.7	9.7	1.19
	Middle low			
	Middle high			
	High			
Services	Commercial	8 865.9	10.6	1.20
	Industrial	1 483.7	1.3	0.87
Education	Private	547.3	0.4	0.64
	Public	17 439.3	22.1	1.27
Health	Private	8.6	0.0	0.14
	Public	23.1	0.0	0.23
Government	Assets			
	National	36 510.6	44.1	1.21
	Fiscal	25 605.0	31.8	1.24

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

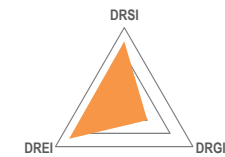
AAL/SE **DRSI** **57.4**

Disaster Risk Growth & Financial Implications

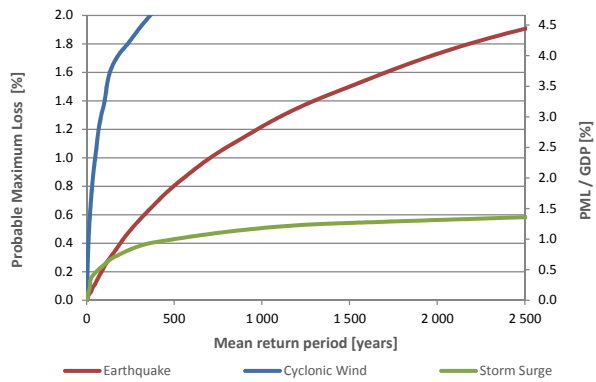
AAL/TR 0.03
AAL/GFCF 0.03
DRGI **50.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.04
DREI **57.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00	0.02	0.00		0.02
(Fiscal)	0.00	0.01	0.00		0.01
AAL/GNE	0.00	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/TR	0.00	0.01	0.00		0.01
(Fiscal)	0.00	0.01	0.00		0.01
AAL/GFCF	0.00	0.01	0.00		0.01
(Fiscal)	0.00	0.01	0.00		0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.00	0.03	0.01		
(Fiscal)	0.00	0.02	0.00		
PML250/GDP	0.01	0.03	0.01		
(Fiscal)	0.00	0.02	0.00		

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CAPRA Team

Myanmar

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	53 259 016
- Urban	[%]	33.0
- Rural	[%]	67.0
Land area	[km²]	653 290.0
Pop.Density	[km²/Hab]	81.5
GINI	[value]	
HDI	[value]	0.52
Exposed Value	[million US$]	195 631
- Fiscal	[million US$]	93 470

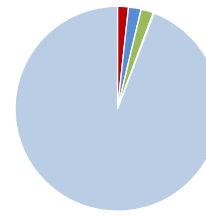
Economic Indicators

GDP Gross Domestic Product	[million US$]	
GDP per capita	[US$]	
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	7 352.9
Public spending on education	[% GDP]	0.8
Health Expenditure	[% GDP]	1.8

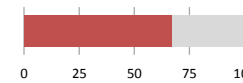
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	35.6	0.18	595.5	1 216.0	1 914.0	2 746.7
(Fiscal)	14.5	0.16	246.6	516.2	822.8	1 204.9
Cyclonic Wind	41.8	0.21	405.5	486.3	504.2	540.0
(Fiscal)	534.7	5.72	4 769.0	4 963.5	5 065.8	5 270.6
Storm Surge	40.6	0.21	570.5	602.7	623.9	666.1
(Fiscal)	18.7	0.20	257.1	280.9	320.7	331.8
Tsunami	3.3	0.02	0.0	14.3	154.6	578.5
(Fiscal)	1.7	0.02	0.0	20.5	131.4	390.4
Flood	1 956.7	10.01				
(Fiscal)	895.9	9.58				
National	2 077.9	10.63				
Fiscal	1 465.5	15.68				

AAL Distribution by Hazard



Disaster Risk Development Implications



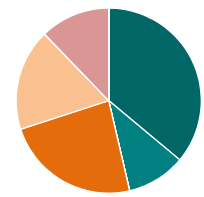
DRDI **67.1**

Ranking		
World	8	168
Region	5	48
Economy	5	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	68 992.8	27.6	0.40
	Middle low	20 970.9	7.9	0.38
	Middle high			
	High			
Services	Commercial	45 803.4	18.0	0.39
	Industrial	34 850.6	13.6	0.39
Education	Private	455.9	0.1	0.11
	Public	24 466.5	9.3	0.38
Health	Private	80.5	0.0	0.05
	Public	10.6	0.0	0.00
Government	Assets			
National		195 631.1	76.4	0.39
Fiscal		93 469.9	36.9	0.39

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **81.0**

Disaster Risk Growth & Financial Implications

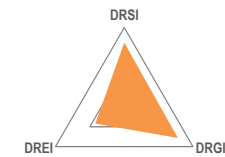
AAL/TR 0.28 **DRGI** **78.1**

AAL/GFCF

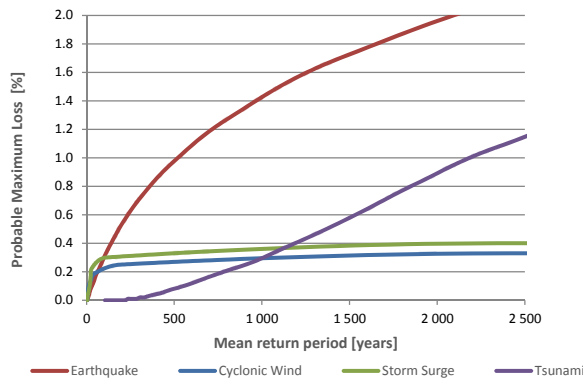
Disaster Risk Economic Implications

AAL/PC 0.01 **DREI** **42.1**

AAL/GS



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE					
(Fiscal)					
AAL/TR	0.00	0.01	0.01	0.00	0.27
(Fiscal)	0.00	0.07	0.00	0.00	0.12
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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CAPRA Team

Namibia

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 303 315
- Urban	[%]	44.7
- Rural	[%]	55.3
Land area	[km²]	823 290.0
Pop.Density	[km²/Hab]	2.8
GINI	[value]	61.30
HDI	[value]	0.62
Exposed Value	[million US$]	42 181
- Fiscal	[million US$]	10 032

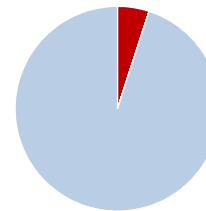
Economic Indicators

GDP Gross Domestic Product	[million US$]	13 113.1
GDP per capita	[US$]	5 693.1
GNE Gross National Expenditure	[million US$]	15 480.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	2 218.4
GFCF Gross Fixed Capital Formation	[million US$]	3 368.8
TR Total Reserves	[million US$]	1 511.2
Public spending on education	[% GDP]	8.4
Health Expenditure	[% GDP]	8.4

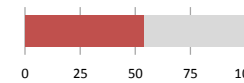
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.4	0.08	48.6	121.1	232.6	416.3
(Fiscal)	0.8	0.08	11.8	29.4	56.8	102.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	64.6	1.53				
(Fiscal)	15.8	1.57				
National	67.9	1.62				
Fiscal	16.6	1.65				

AAL Distribution by Hazard



Disaster Risk Development Implications



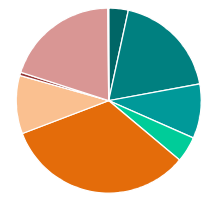
DRDI **53.79**

Ranking		
World	48	168
Region	12	57
Economy	16	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 826.9	0.1	0.05
	Middle low	7 726.3	0.5	0.07
	Middle high	4 254.3	0.3	0.06
	High	2 281.1	0.1	0.05
Services	Commercial	12 948.5	0.9	0.07
	Industrial	4 501.9	0.3	0.06
Education	Private	388.6	0.02	0.04
	Public	8 147.0	0.5	0.07
Health	Private	48.7	0.00	0.03
	Public	58.1	0.00	0.03
Government	Assets			
National		42 181.5	2.7	0.06
Fiscal		10 032.0	0.6	0.06

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

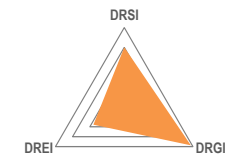
AAL/SE **DRSI** **54.0**

Disaster Risk Growth & Financial Implications

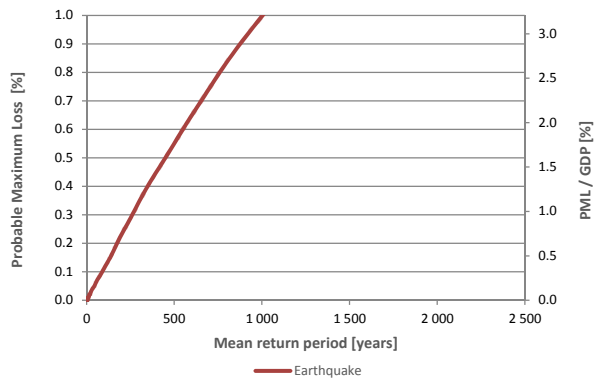
AAL/TR 0.04
AAL/GFCF 0.02
DRGI **55.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03
DREI **51.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.03
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.04
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.02
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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CAPRA Team

Nepal

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	27 797 456
- Urban	[%]	17.9
- Rural	[%]	82.1
Land area	[km²]	143 350.0
Pop.Density	[km²/Hab]	193.9
GINI	[value]	32.80
HDI	[value]	0.54
Exposed Value	[million US$]	54 020
- Fiscal	[million US$]	20 148

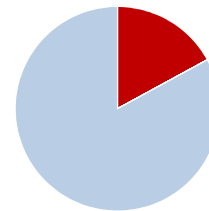
Economic Indicators

GDP Gross Domestic Product	[million US$]	19 294.3
GDP per capita	[US$]	694.1
GNE Gross National Expenditure	[million US$]	24 466.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	7 634.4
GFCF Gross Fixed Capital Formation	[million US$]	4 356.1
TR Total Reserves	[million US$]	6 700.5
Public spending on education	[% GDP]	4.7
Health Expenditure	[% GDP]	5.5

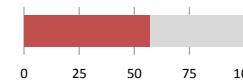
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	29.5	0.55	586.1	1 383.2	2 350.6	3 681.0
(Fiscal)	10.7	0.53	210.0	500.6	856.4	1 331.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	143.3	2.65				
(Fiscal)	57.8	2.87				
National	172.8	3.20				
Fiscal	68.5	3.40				

AAL Distribution by Hazard



Disaster Risk Development Implications



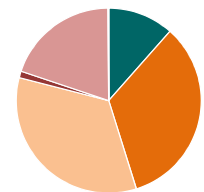
DRDI **57.15**

Ranking		
World	34	168
Region	14	48
Economy	15	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	10 074.0	3.4	0.34
	Middle low			
	Middle high			
	High			
Services	Commercial	16 223.0	9.9	0.61
	Industrial	16 308.5	9.9	0.61
Education	Private	1 162.1	0.3	0.29
	Public	9 974.5	5.8	0.58
Health	Private	177.7	0.0	0.13
	Public	99.7	0.0	0.10
Government	Assets			
	National	54 019.5	29.3	0.54
	Fiscal	20 148.3	9.2	0.45

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

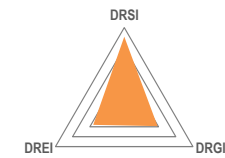
AAL/SE **DRSI** **62.7**

Disaster Risk Growth & Financial Implications

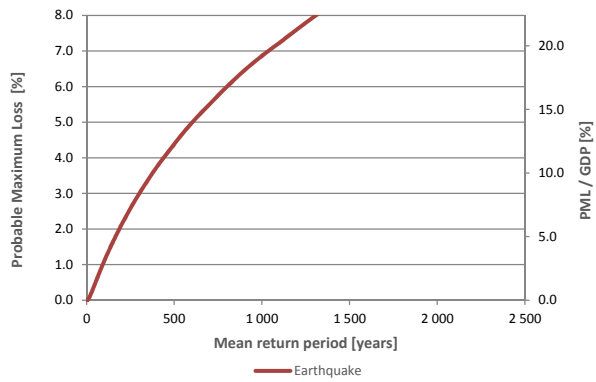
AAL/TR 0.03
AAL/GFCF 0.04
DRGI **54.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **54.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.02
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.01
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.02
(Fiscal)	0.00				0.01
AAL/GFCF	0.01				0.03
(Fiscal)	0.00				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.01				
PML250/GDP	0.03				
(Fiscal)	0.01				

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CAPRA Team

Netherlands

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	16 804 224
- Urban	[%]	89.3
- Rural	[%]	10.7
Land area	[km²]	33 720.0
Pop.Density	[km²/Hab]	498.3
GINI	[value]	28.80
HDI	[value]	0.92
Exposed Value	[million US$]	3 412 545
- Fiscal	[million US$]	110 563

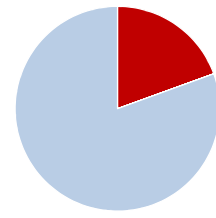
Economic Indicators

GDP Gross Domestic Product	[million US$]	853 539.4
GDP per capita	[US$]	50 793.1
GNE Gross National Expenditure	[million US$]	765 364.1
SE Social Expenditure	[million US$]	0.2
GS Gross Savings	[million US$]	228 300.6
GFCF Gross Fixed Capital Formation	[million US$]	155 740.0
TR Total Reserves	[million US$]	46 309.2
Public spending on education	[% GDP]	5.9
Health Expenditure	[% GDP]	12.4

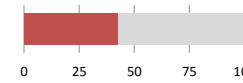
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	237.8	0.07	4 270.6	10 740.6	19 213.5	31 645.2
(Fiscal)	7.4	0.07	132.1	331.8	594.5	980.9
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	984.0	0.29				
(Fiscal)	29.6	0.27				
National	1 221.9	0.36				
Fiscal	37.0	0.33				

AAL Distribution by Hazard



Disaster Risk Development Implications



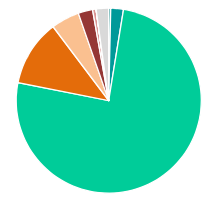
DRDI **42.45**

Ranking		
World	126	168
Region	25	51
Economy	22	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

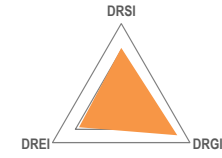
Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 069.1	0.0	0.00
	Middle low	19 826.2	0.8	0.04
	Middle high	84 595.2	5.3	0.06
	High	2 565 212.0	179.4	0.07
Services	Commercial	377 629.0	27.6	0.07
	Industrial	164 314.1	11.7	0.07
Education	Private	89 861.1	6.0	0.07
	Public	27 814.4	1.4	0.05
Health	Private	543.9	0.0	0.00
	Public	2 499.2	0.0	0.02
Government	Assets	79 180.8	5.2	0.07
	National	3 412 544.9	237.4	0.07
	Fiscal	110 563.5	6.6	0.06

AAL Distribution by Sector

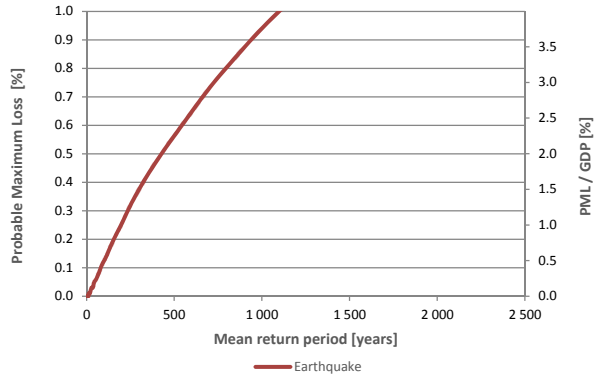


DRDI Components

Disaster Risk Social Implications			
AAL/SE	5245.54	**DRSI**	**41.6**
Disaster Risk Growth & Financial Implications			
AAL/TR	0.03	**DRGI**	**48.9**
AAL/GFCF	0.01		
Disaster Risk Economic Implications			
AAL/PC	0.00	**DREI**	**36.8**
AAL/GS	0.01		



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.02
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE	1020.99				4224.55
(Fiscal)	31.94				126.90
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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CAPRA Team

New Caledonia

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	262 000
- Urban	[%]	69.1
- Rural	[%]	30.9
Land area	[km²]	18 280.0
Pop.Density	[km²/Hab]	14.3
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	17 114
- Fiscal	[million US$]	384

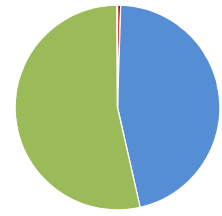
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 682.3
GDP per capita	[US$]	12 579.6
GNE Gross National Expenditure	[million US$]	3 665.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	832.1
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	

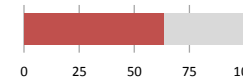
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2.4	0.14	35.3	91.3	155.6	257.2
(Fiscal)	0.1	0.16	0.9	2.4	4.0	6.5
Cyclonic Wind	222.0	12.97	4 515.5	5 582.4	6 706.5	6 900.0
(Fiscal)	5.5	14.35	111.0	137.5	164.0	169.6
Storm Surge	258.2	15.09	1 312.5	1 325.7	1 347.5	1 391.2
(Fiscal)	7.7	20.15	30.6	30.7	30.9	31.2
Tsunami	0.4	0.02	3.2	4.7	8.2	32.2
(Fiscal)	0.0	0.03	0.1	0.1	0.3	1.3
National	482.9	28.22				
Fiscal	13.3	34.68				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **63.72**

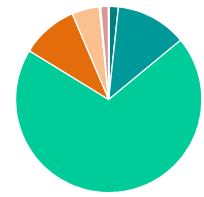
Ranking

SIDS Country **16** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	22.9	0.1	4.19
	Middle low	405.4	3.7	9.02
	Middle high	2 240.6	27.7	12.36
	High	11 157.4	156.4	14.02
Services	Commercial	1 834.6	22.1	12.02
	Industrial	993.5	10.8	10.83
Education	Private	94.7	0.6	5.87
	Public	346.5	3.0	8.67
Health	Private	4.0	0.01	2.39
	Public	14.7	0.1	3.45
Government	Assets			
National		17 114.4	224.3	13.11
Fiscal		384.1	3.2	8.21

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **99.5**

Disaster Risk Growth & Financial Implications

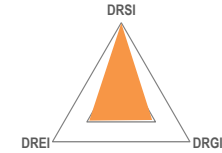
AAL/TR

AAL/GFCF 0.58 **DRGI** **45.1**

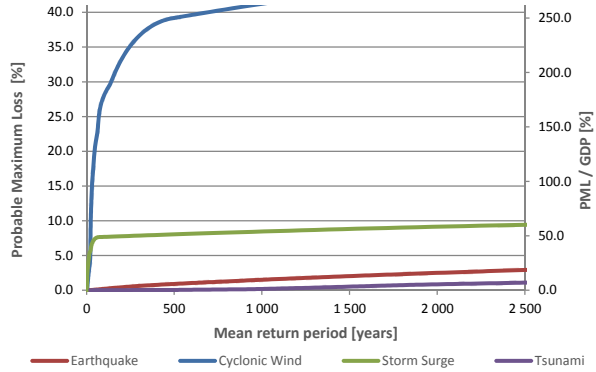
Disaster Risk Economic Implications

AAL/PC 0.03

AAL/GS **DREI** **46.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE	0.00	0.06	0.07	0.00
(Fiscal)	0.00	0.00	0.00	0.00
AAL/TR				
(Fiscal)				
AAL/GFCF	0.00	0.27	0.31	0.00
(Fiscal)	0.00	0.01	0.01	0.00
AAL/SE				
(Fiscal)				
PML250/GNE	0.01	1.23	0.36	0.00
(Fiscal)	0.00	0.03	0.01	0.00
PML250/GDP	0.01	1.68	0.49	0.00
(Fiscal)	0.00	0.04	0.01	0.00

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CAPRA Team

New Zealand

Oceania

GAR Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	4 470 800
- Urban	[%]	86.2
- Rural	[%]	13.8
Land area	[km²]	263 310.0
Pop.Density	[km²/Hab]	17.0
GINI	[value]	
HDI	[value]	0.91
Exposed Value	[million US$]	681 962
- Fiscal	[million US$]	36 610

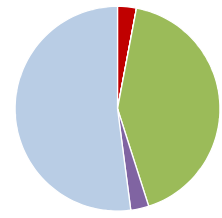
Economic Indicators

GDP Gross Domestic Product	[million US$]	185 787.8
GDP per capita	[US$]	41 555.8
GNE Gross National Expenditure	[million US$]	182 403.6
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	27 865.6
GFCF Gross Fixed Capital Formation	[million US$]	38 213.7
TR Total Reserves	[million US$]	16 317.8
Public spending on education	[% GDP]	7.4
Health Expenditure	[% GDP]	10.3

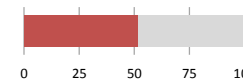
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	22.8	0.03	365.5	952.5	1 722.8	2 855.7
(Fiscal)	1.5	0.04	24.9	64.4	115.4	190.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	23.9	0.65	968.3	1 186.4	1 312.3	1 513.6
Storm Surge	323.4	0.48	3 830.1	3 830.3	3 830.8	3 831.8
(Fiscal)	26.8	0.73	190.0	190.0	190.1	190.2
Tsunami	21.9	0.03	353.6	869.8	1 665.0	4 164.2
(Fiscal)	1.1	0.03	20.5	42.9	83.7	197.9
Flood	400.0	0.59				
(Fiscal)	18.1	0.49				
National	768.1	1.13				
Fiscal	71.3	1.95				

AAL Distribution by Hazard



Disaster Risk Development Implications



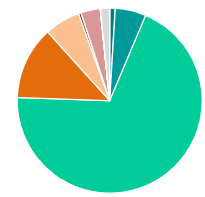
DRDI **51.48**

Ranking		
World	67	168
Region	1	48
Economy	8	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	508.7	0.0	0.01
	Middle low	8 893.7	0.2	0.03
	Middle high	42 699.3	1.3	0.03
	High	475 340.7	16.4	0.03
Services	Commercial	74 585.5	3.0	0.04
	Industrial	38 970.1	1.5	0.04
Education	Private	4 646.3	0.1	0.02
	Public	22 833.4	0.8	0.04
Health	Private	216.7	0.0	0.00
	Public	822.9	0.0	0.01
Government	Assets	12 445.1	0.4	0.03
National		681 962.4	23.7	0.03
Fiscal		36 610.1	1.2	0.03

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE 14718.38 **DRSI** **48.4**

Disaster Risk Growth & Financial Implications

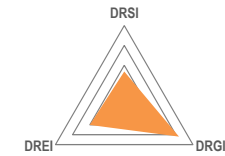
AAL/TR 0.05

AAL/GFCF 0.02 **DRGI** **56.0**

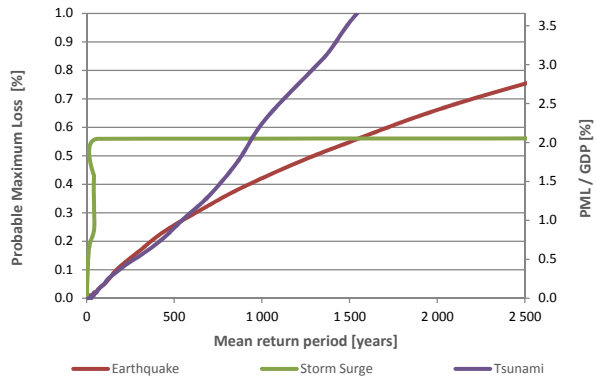
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS 0.03 **DREI** **50.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00		0.01	0.00	0.01
(Fiscal)	0.00	0.00	0.00	0.00	0.00
AAL/GNE	0.00		0.00	0.00	0.00
(Fiscal)	0.00	0.00	0.00	0.00	0.00
AAL/TR	0.00		0.02	0.00	0.02
(Fiscal)	0.00	0.00	0.00	0.00	0.00
AAL/GFCF	0.00		0.01	0.00	0.01
(Fiscal)	0.00	0.00	0.00	0.00	0.00
AAL/SE	437.09		6197.39	419.46	7664.44
(Fiscal)	28.36	457.21	513.16	21.08	346.64
PML250/GNE	0.00		0.02	0.00	
(Fiscal)	0.00	0.01	0.00	0.00	
PML250/GDP	0.00		0.02	0.00	
(Fiscal)	0.00	0.01	0.00	0.00	

CIMNE International Centre for Numerical Methods in Engineering

INGENIAR Ltd

CAPRA Team

Nicaragua

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	6 080 478
- Urban	[%]	58.1
- Rural	[%]	41.9
Land area	[km²]	120 340.0
Pop.Density	[km²/Hab]	50.5
GINI	[value]	45.70
HDI	[value]	0.61
Exposed Value	[million US$]	35 985
- Fiscal	[million US$]	7 671

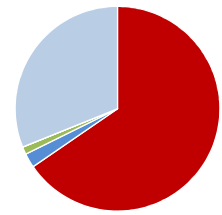
Economic Indicators

GDP Gross Domestic Product	[million US$]	11 255.6
GDP per capita	[US$]	1 851.1
GNE Gross National Expenditure	[million US$]	12 562.4
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 894.5
GFCF Gross Fixed Capital Formation	[million US$]	2 574.1
TR Total Reserves	[million US$]	1 993.0
Public spending on education	[% GDP]	4.6
Health Expenditure	[% GDP]	8.2

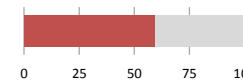
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	72.5	2.02	614.5	1 042.5	1 492.6	2 049.7
(Fiscal)	20.8	2.71	160.4	266.4	371.8	501.9
Cyclonic Wind	2.5	0.07	83.2	172.0	223.2	268.3
(Fiscal)	0.9	0.11	28.3	59.2	77.8	89.7
Storm Surge	1.3	0.04	53.7	91.1	101.4	105.2
(Fiscal)	0.3	0.04	11.6	19.4	22.0	22.9
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	34.5	0.96				
(Fiscal)	9.9	1.29				
National	110.8	3.08				
Fiscal	31.9	4.15				

AAL Distribution by Hazard



Disaster Risk Development Implications



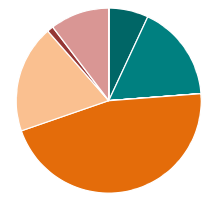
DRDI **59.6**

Ranking		
World	26	168
Region	7	46
Economy	13	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3 286.3	5.2	1.58
	Middle low	6 295.2	12.6	2.00
	Middle high			
	High			
Services	Commercial	14 200.0	34.3	2.42
	Industrial	6 852.3	14.1	2.06
Education	Private	958.2	0.8	0.85
	Public	4 374.6	7.7	1.77
Health	Private	8.5	0.0	0.11
	Public	10.4	0.0	0.11
Government	Assets			
	National	35 985.5	74.8	2.08
	Fiscal	7 671.3	12.9	1.69

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

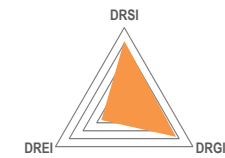
AAL/SE **DRSI** **60.1**

Disaster Risk Growth & Financial Implications

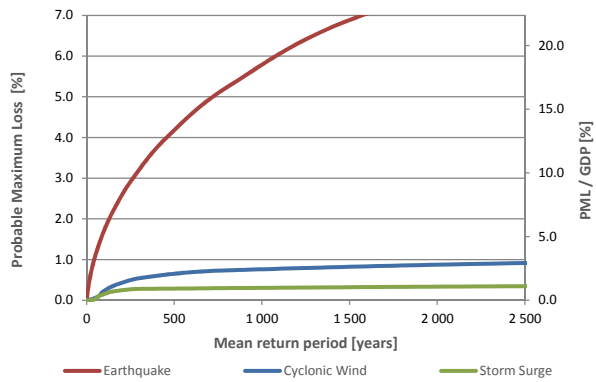
AAL/TR 0.06
AAL/GFCF 0.04 **DRGI** **59.9**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.06 **DREI** **58.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.04	0.00	0.00		0.02
(Fiscal)	0.01	0.00	0.00		0.01
AAL/GNE	0.01	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/TR	0.04	0.00	0.00		0.02
(Fiscal)	0.01	0.00	0.00		0.00
AAL/GFCF	0.03	0.00	0.00		0.01
(Fiscal)	0.01	0.00	0.00		0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.05	0.01	0.00		
(Fiscal)	0.01	0.00	0.00		
PML250/GDP	0.05	0.01	0.00		
(Fiscal)	0.01	0.00	0.00		

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Niger

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	17 831 270
- Urban	[%]	18.2
- Rural	[%]	81.8
Land area	[km²]	1 266 700.0
Pop.Density	[km²/Hab]	14.1
GINI	[value]	31.10
HDI	[value]	0.34
Exposed Value	[million US$]	12 743
- Fiscal	[million US$]	5 637

Economic Indicators

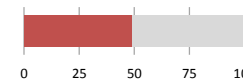
GDP Gross Domestic Product	[million US$]	7 407.4
GDP per capita	[US$]	415.4
GNE Gross National Expenditure	[million US$]	8 745.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 150.9
GFCF Gross Fixed Capital Formation	[million US$]	2 551.4
TR Total Reserves	[million US$]	1 166.6
Public spending on education	[% GDP]	4.4
Health Expenditure	[% GDP]	7.2

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	19.3	1.52				
(Fiscal)	9.3	1.65				
National	19.3	1.52				
Fiscal	9.3	1.65				

AAL Distribution by Hazard

Disaster Risk Development Implications



DRDI **48.9**

Ranking		
World	86	168
Region	24	57
Economy	32	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	2 902.6	0.0	0.00
	Middle low			
	Middle high			
	High			
Services	Commercial	5 262.6	0.0	0.00
	Industrial	1 674.3	0.0	0.00
Education	Private	167.2	0.0	0.00
	Public	2 731.9	0.0	0.00
Health	Private	2.1	0.0	0.00
	Public	2.2	0.0	0.00
Government	Assets			
National		12 742.9	0.0	0.00
Fiscal		5 636.8	0.0	0.00

AAL Distribution by Sector

DRDI Components

Disaster Risk Social Implications

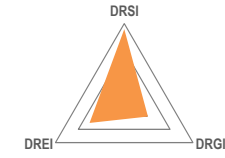
AAL/SE — DRSI **54.0**

Disaster Risk Growth & Financial Implications

AAL/TR 0.02
AAL/GFCF 0.01
DRGI **45.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **47.6**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.02
(Fiscal)					0.01
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.02
(Fiscal)					0.01
AAL/GFCF					0.01
(Fiscal)					0.00
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Nigeria

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	173 615 344
- Urban	[%]	46.1
- Rural	[%]	53.9
Land area	[km²]	910 770.0
Pop.Density	[km²/Hab]	190.6
GINI	[value]	42.90
HDI	[value]	0.50
Exposed Value	[million US$]	594 874
- Fiscal	[million US$]	224 449

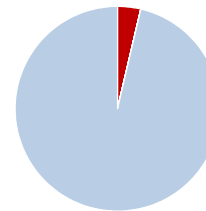
Economic Indicators

GDP Gross Domestic Product	[million US$]	521 803.3
GDP per capita	[US$]	3 005.5
GNE Gross National Expenditure	[million US$]	495 416.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	154 259.2
GFCF Gross Fixed Capital Formation	[million US$]	75 511.1
TR Total Reserves	[million US$]	47 548.4
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	6.1

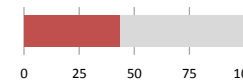
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	20.6	0.03	333.4	799.7	1 556.2	2 866.7
(Fiscal)	7.8	0.03	126.3	302.9	589.4	1 085.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	543.4	0.92				
(Fiscal)	227.1	1.01				
National	564.1	0.95				
Fiscal	234.9	1.05				

AAL Distribution by Hazard



Disaster Risk Development Implications



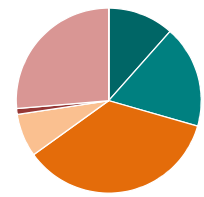
DRDI **43.36**

Ranking		
World	122	168
Region	35	57
Economy	40	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	72 794.2	2.1	0.03
	Middle low	107 151.0	3.2	0.03
	Middle high			
	High			
Services	Commercial	199 881.0	6.4	0.03
	Industrial	51 056.8	1.4	0.03
Education	Private	12 196.7	0.2	0.02
	Public	151 589.8	4.7	0.03
Health	Private	139.4	0.0	0.00
	Public	65.3	0.0	0.00
Government	Assets			
	National	594 874.2	18.0	0.03
	Fiscal	224 449.4	6.8	0.03

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

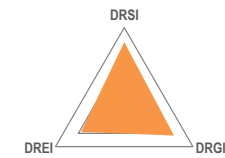
AAL/SE **DRSI** **48.9**

Disaster Risk Growth & Financial Implications

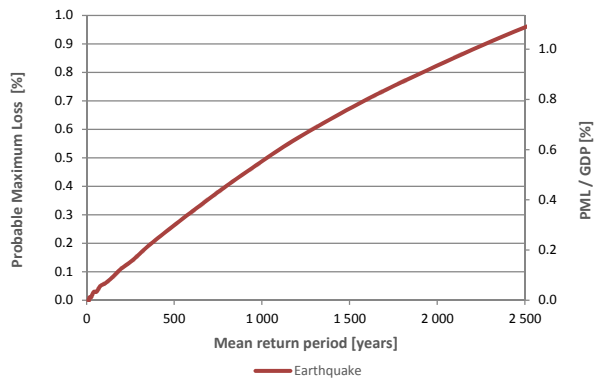
AAL/TR 0.01
AAL/GFCF 0.01
DRGI **43.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00
DREI **37.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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North Korea

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Brief Country Risk Profile

UNISDR
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National Information

Population	[Hab]	24 895 480
- Urban	[%]	60.6
- Rural	[%]	39.4
Land area	[km²]	120 410.0
Pop.Density	[km²/Hab]	206.8
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	78 052
- Fiscal	[million US$]	28 630

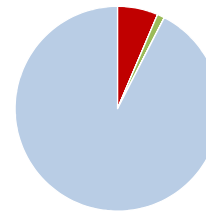
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

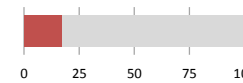
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	10.9	0.14	159.5	377.6	670.5	1 121.3
(Fiscal)	4.0	0.14	58.0	137.8	244.9	409.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	2.0	0.03	21.0	22.3	23.5	25.8
(Fiscal)	0.7	0.03	7.9	8.3	8.8	9.7
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	157.2	2.02				
(Fiscal)	56.8	1.98				
National	170.0	2.18				
Fiscal	61.4	2.15				

AAL Distribution by Hazard



Disaster Risk Development Implications



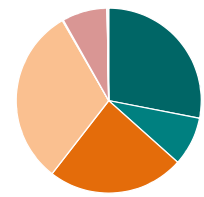
DRDI **17.2**

Ranking		
World	156	168
Region	46	48
Economy	30	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	21 098.5	2.9	0.14
	Middle low	7 504.9	0.9	0.12
	Middle high			
	High			
Services	Commercial	18 151.4	2.5	0.14
	Industrial	23 217.0	3.2	0.14
Education	Private	424.8	0.0	0.05
	Public	7 032.8	0.8	0.11
Health	Private	124.6	0.0	0.03
	Public	498.4	0.0	0.05
Government	Assets			
	National	78 052.5	10.3	0.13
	Fiscal	28 629.8	3.7	0.13

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

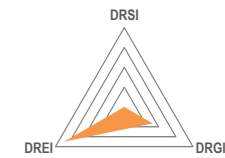
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

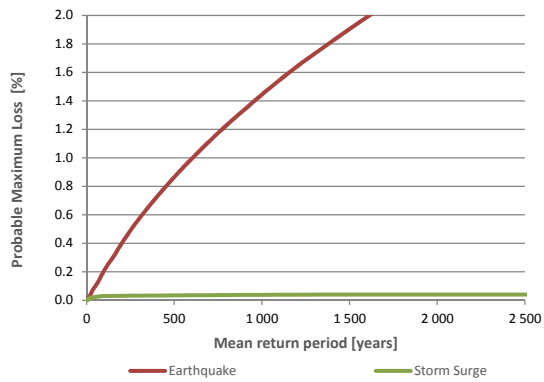
AAL/TR
AAL/GFCF **DRGI** **16.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **34.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE					
(Fiscal)					
AAL/TR					
(Fiscal)					
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Norway

Europe

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	5 084 190
- Urban	[%]	79.9
- Rural	[%]	20.1
Land area	[km²]	365 268.0
Pop.Density	[km²/Hab]	13.9
GINI	[value]	26.80
HDI	[value]	0.94
Exposed Value	[million US$]	1 936 701
- Fiscal	[million US$]	164 972

Economic Indicators

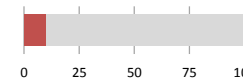
GDP Gross Domestic Product	[million US$]	512 580.4
GDP per capita	[US$]	100 818.5
GNE Gross National Expenditure	[million US$]	457 625.4
SE Social Expenditure	[million US$]	0.2
GS Gross Savings	[million US$]	196 132.5
GFCF Gross Fixed Capital Formation	[million US$]	116 071.1
TR Total Reserves	[million US$]	58 283.1
Public spending on education	[% GDP]	6.9
Health Expenditure	[% GDP]	9.0

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National						
Fiscal						

AAL Distribution by Hazard

Disaster Risk Development Implications



DRDI **9.77**

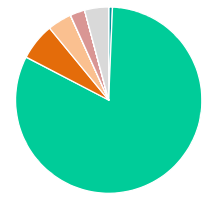
Ranking

World	161	168
Region	39	51
Economy	41	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	260.6	0.0	0.00
	Middle low	5 004.2	0.0	0.00
	Middle high	21 303.5	0.1	0.003
	High	1 501 709.0	8.2	0.01
Services	Commercial	142 879.1	0.6	0.004
	Industrial	97 576.4	0.4	0.004
Education	Private	3 025.3	0.00	0.00
	Public	65 120.9	0.3	0.004
Health	Private	231.1	0.0	0.00
	Public	1 159.1	0.0	0.00
Government	Assets	98 431.5	0.4	0.004
	National	1 936 700.6	10.0	0.01
	Fiscal	164 972.1	0.7	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

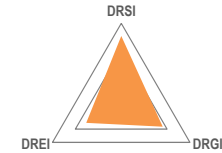
AAL/SE **DRSI** **12.6**

Disaster Risk Growth & Financial Implications

AAL/TR
AAL/GFCF **DRGI** **9.1**

Disaster Risk Economic Implications

AAL/PC
AAL/GS **DREI** **7.6**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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Oman

Asia

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	3 632 444
- Urban	[%]	76.7
- Rural	[%]	23.3
Land area	[km²]	309 500.0
Pop.Density	[km²/Hab]	11.7
GINI	[value]	
HDI	[value]	0.78
Exposed Value	[million US$]	202 597
- Fiscal	[million US$]	19 700

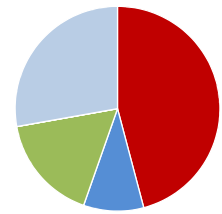
Economic Indicators

GDP Gross Domestic Product	[million US$]	79 655.9
GDP per capita	[US$]	21 929.0
GNE Gross National Expenditure	[million US$]	56 792.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	22 935.5
GFCF Gross Fixed Capital Formation	[million US$]	17 257.0
TR Total Reserves	[million US$]	15 951.0
Public spending on education	[% GDP]	4.3
Health Expenditure	[% GDP]	2.6

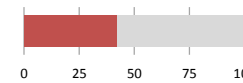
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	43.4	0.21	273.6	552.7	915.5	1 470.1
(Fiscal)	4.0	0.20	25.4	51.6	85.8	138.4
Cyclonic Wind	9.0	0.04	210.3	210.8	211.8	213.6
(Fiscal)	0.8	0.04	19.6	19.7	19.8	20.0
Storm Surge	15.9	0.08	405.7	481.6	498.3	531.8
(Fiscal)	1.5	0.08	39.0	46.2	48.0	51.6
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	26.3	0.13				
(Fiscal)	2.2	0.11				
National	94.5	0.47				
Fiscal	8.6	0.44				

AAL Distribution by Hazard



Disaster Risk Development Implications



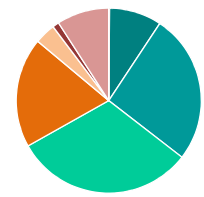
DRDI **42.08**

Ranking		
World	127	168
Region	38	12
Economy	23	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	791.7	0.1	0.11
	Middle low	18 787.2	4.8	0.25
	Middle high	52 399.4	13.7	0.26
	High	62 401.4	16.4	0.26
Services	Commercial	38 672.8	10.1	0.26
	Industrial	7 768.9	1.9	0.24
Education	Private	2 833.8	0.6	0.21
	Public	18 773.8	4.8	0.25
Health	Private	33.3	0.0	0.00
	Public	134.8	0.0	0.03
Government	Assets			
	National	202 596.8	52.3	0.26
	Fiscal	19 700.2	4.9	0.25

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

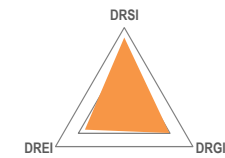
AAL/SE **DRSI** **52.5**

Disaster Risk Growth & Financial Implications

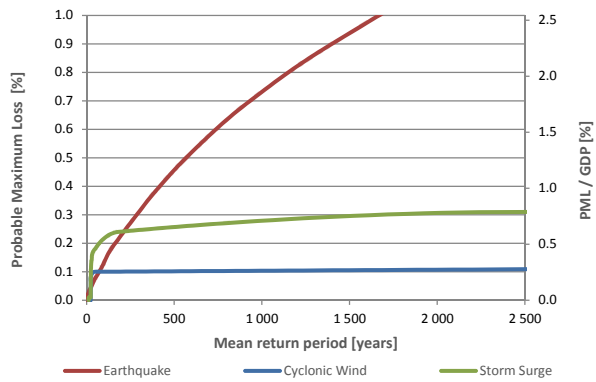
AAL/TR 0.01
AAL/GFCF 0.01 **DRGI** **39.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **34.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/GNE	0.00	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/TR	0.00	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/GFCF	0.00	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00	0.00	0.01		
(Fiscal)	0.00	0.00	0.00		
PML250/GDP	0.00	0.00	0.01		
(Fiscal)	0.00	0.00	0.00		

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CAPRA Team

Pakistan

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	182 142 592
- Urban	[%]	37.9
- Rural	[%]	62.1
Land area	[km²]	770 880.0
Pop.Density	[km²/Hab]	236.3
GINI	[value]	29.60
HDI	[value]	0.54
Exposed Value	[million US$]	503 751
- Fiscal	[million US$]	115 123

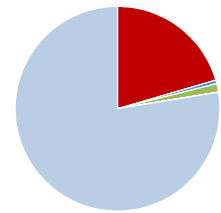
Economic Indicators

GDP Gross Domestic Product	[million US$]	232 286.8
GDP per capita	[US$]	1 275.3
GNE Gross National Expenditure	[million US$]	247 867.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	48 878.3
GFCF Gross Fixed Capital Formation	[million US$]	30 125.8
TR Total Reserves	[million US$]	7 651.3
Public spending on education	[% GDP]	2.1
Health Expenditure	[% GDP]	3.2

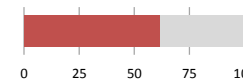
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	272.1	0.54	3 925.0	7 536.3	11 129.0	15 453.1
(Fiscal)	56.5	0.49	832.6	1 602.3	2 396.2	3 327.5
Cyclonic Wind	7.5	0.01	216.4	264.2	304.9	333.9
(Fiscal)	47.8	0.42	1 329.3	1 668.5	1 737.1	1 874.4
Storm Surge	18.1	0.04	294.4	344.0	344.0	344.0
(Fiscal)	3.8	0.03	60.1	62.2	65.8	72.8
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	1 029.8	2.05				
(Fiscal)	199.9	1.74				
National	1 327.5	2.64				
Fiscal	308.0	2.68				

AAL Distribution by Hazard



Disaster Risk Development Implications



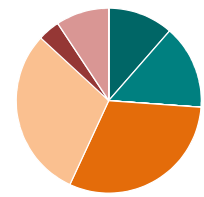
DRDI **61.67**

Ranking		
World	19	168
Region	11	48
Economy	9	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	69 403.5	31.8	0.46
	Middle low	87 719.4	41.0	0.47
	Middle high			
	High			
Services	Commercial	141 625.8	85.6	0.60
	Industrial	138 012.0	83.4	0.60
Education	Private	20 983.8	10.7	0.51
	Public	45 598.9	25.9	0.57
Health	Private	286.5	0.0	0.08
	Public	121.1	0.0	0.03
Government	Assets			
National		503 751.0	278.4	0.55
Fiscal		115 123.4	57.7	0.50

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

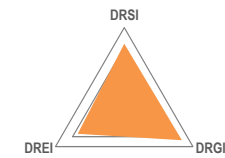
AAL/SE **DRSI** **63.7**

Disaster Risk Growth & Financial Implications

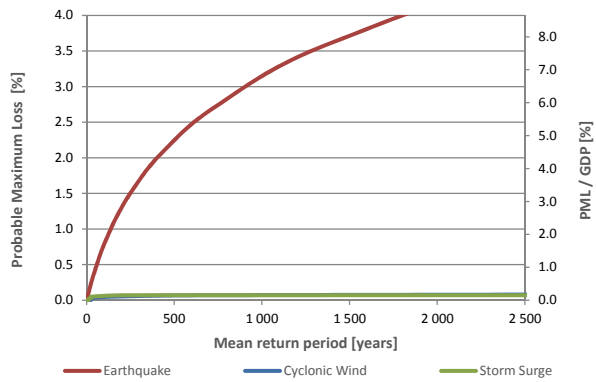
AAL/TR 0.17
AAL/GFCF 0.04 **DRGI** **67.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03 **DREI** **54.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01	0.00	0.00		0.02
(Fiscal)	0.00	0.00	0.00		0.00
AAL/GNE	0.00	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/TR	0.04	0.00	0.00		0.13
(Fiscal)	0.01	0.01	0.00		0.03
AAL/GFCF	0.01	0.00	0.00		0.03
(Fiscal)	0.00	0.00	0.00		0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.02	0.00	0.00		
(Fiscal)	0.00	0.01	0.00		
PML250/GDP	0.02	0.00	0.00		
(Fiscal)	0.00	0.01	0.00		

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CAPRA Team

Palau

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

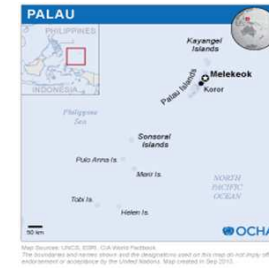
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	20 918
- Urban	[%]	85.8
- Rural	[%]	14.2
Land area	[km²]	460.0
Pop.Density	[km²/Hab]	45.5
GINI	[value]	
HDI	[value]	0.77
Exposed Value	[million US$]	780
- Fiscal	[million US$]	73

Economic Indicators

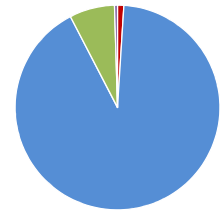
GDP Gross Domestic Product	[million US$]	247.0
GDP per capita	[US$]	11 810.1
GNE Gross National Expenditure	[million US$]	276.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	9.5



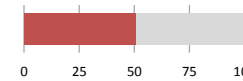
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.17	1.3	4.4	10.1	20.0
(Fiscal)	0.0	0.14	0.1	0.4	1.0	2.0
Cyclonic Wind	11.9	15.23	418.3	474.0	550.6	550.6
(Fiscal)	1.2	16.10	41.4	46.7	54.7	54.7
Storm Surge	0.9	1.19	33.6	38.1	42.4	47.1
(Fiscal)	0.1	1.24	3.1	3.6	4.0	4.5
Tsunami	0.1	0.08	0.0	1.1	3.6	10.8
(Fiscal)	0.0	0.14	0.0	0.6	1.4	2.3
National	13.0	16.67				
Fiscal	1.3	17.62				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **50.61**

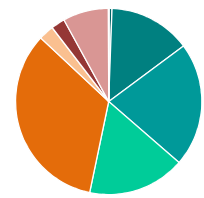
Ranking

SIDS Country **26** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	6.2	0.1	10.65
	Middle low	111.1	1.7	15.43
	Middle high	164.2	2.6	15.75
	High	130.5	2.0	15.54
Services	Commercial	253.0	4.0	15.98
	Industrial	25.1	0.3	12.64
Education	Private	23.0	0.3	12.54
	Public	64.7	1.0	14.74
Health	Private	0.5	0.0	0.00
	Public	1.7	0.01	3.40
Government	Assets			
National		780.1	12.0	15.39
Fiscal		72.7	1.0	14.12

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

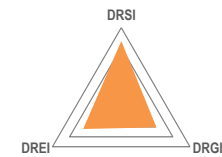
AAL/SE **DRSI** **66.6**

Disaster Risk Growth & Financial Implications

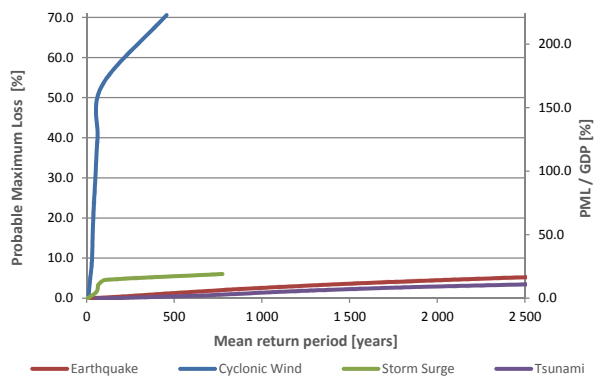
AAL/TR
AAL/GFCF **DRGI** **41.0**

Disaster Risk Economic Implications

AAL/PC 0.02
AAL/GS **DREI** **44.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE	0.00	0.04	0.00	0.00
(Fiscal)	0.00	0.00	0.00	0.00
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE	0.00	1.52	0.12	0.00
(Fiscal)	0.00	0.15	0.01	0.00
PML250/GDP	0.01	1.69	0.14	0.00
(Fiscal)	0.00	0.17	0.01	0.00

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CAPRA Team

Panama

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	3 864 170
- Urban	[%]	66.0
- Rural	[%]	34.0
Land area	[km²]	74 340.0
Pop.Density	[km²/Hab]	52.0
GINI	[value]	51.90
HDI	[value]	0.76
Exposed Value	[million US$]	124 730
- Fiscal	[million US$]	21 343

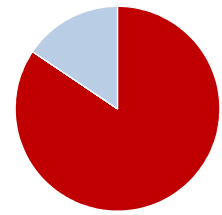
Economic Indicators

GDP Gross Domestic Product	[million US$]	42 648.1
GDP per capita	[US$]	11 036.8
GNE Gross National Expenditure	[million US$]	36 126.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	9 576.7
GFCF Gross Fixed Capital Formation	[million US$]	10 060.8
TR Total Reserves	[million US$]	2 848.0
Public spending on education	[% GDP]	3.5
Health Expenditure	[% GDP]	7.6

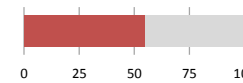
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	135.4	1.09	1 354.9	2 436.7	3 616.2	5 129.3
(Fiscal)	30.0	1.41	275.6	474.8	685.9	952.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	0.3	0.01	0.4	6.5	28.8	86.8
Flood	25.0	0.20				
(Fiscal)	5.8	0.27				
National	160.3	1.29				
Fiscal	36.1	1.69				

AAL Distribution by Hazard



Disaster Risk Development Implications



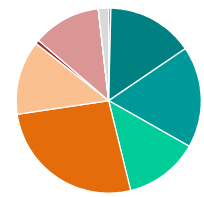
DRDI **55.05**

Ranking		
World	39	168
Region	10	46
Economy	6	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 526.6	0.5	0.32
	Middle low	18 489.3	20.5	1.11
	Middle high	20 988.9	24.0	1.14
	High	16 494.8	17.6	1.07
Services	Commercial	28 419.3	35.8	1.26
	Industrial	16 665.0	17.5	1.05
Education	Private	2 275.6	0.9	0.41
	Public	15 507.2	16.1	1.04
Health	Private	54.0	0.0	0.05
	Public	98.8	0.0	0.05
Government	Assets	4 210.2	2.4	0.58
	National	124 729.5	135.4	1.09
	Fiscal	21 342.8	19.1	0.89

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

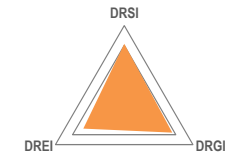
AAL/SE **DRSI** **61.6**

Disaster Risk Growth & Financial Implications

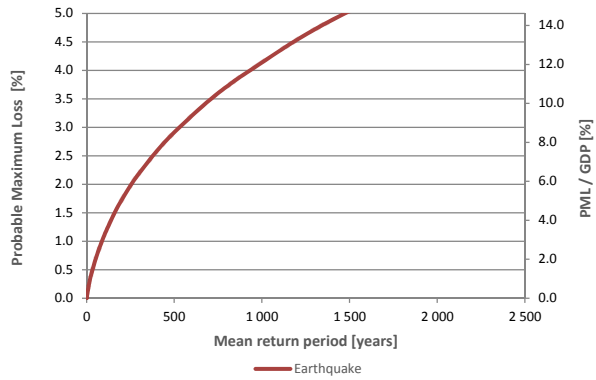
AAL/TR 0.06
AAL/GFCF 0.02
DRGI **55.9**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **47.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.00
(Fiscal)	0.00			0.00	0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00			0.00	0.00
AAL/TR	0.05				0.01
(Fiscal)	0.01			0.00	0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00			0.00	0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.04				
(Fiscal)	0.01			0.00	
PML250/GDP	0.03				
(Fiscal)	0.01			0.00	

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CAPRA Team

Papua New Guinea

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	7 321 262
- Urban	[%]	13.0
- Rural	[%]	87.0
Land area	[km²]	452 860.0
Pop.Density	[km²/Hab]	16.2
GINI	[value]	50.80
HDI	[value]	0.49
Exposed Value	[million US$]	47 088
- Fiscal	[million US$]	11 174

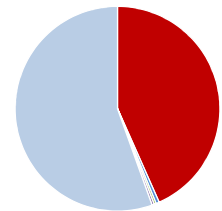
Economic Indicators

GDP Gross Domestic Product	[million US$]	15 289.4
GDP per capita	[US$]	2 088.4
GNE Gross National Expenditure	[million US$]	3 407.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 194.6
GFCF Gross Fixed Capital Formation	[million US$]	712.1
TR Total Reserves	[million US$]	2 850.6
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	5.2

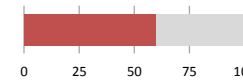
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	73.6	1.57	560.1	878.5	1 184.9	1 557.6
(Fiscal)	17.5	1.56	133.1	208.6	281.4	369.9
Cyclonic Wind	0.9	0.02	17.4	21.3	22.1	22.8
(Fiscal)	5.5	0.49	156.6	166.9	184.1	208.0
Storm Surge	0.6	0.01	16.3	19.8	20.1	20.7
(Fiscal)	0.3	0.03	10.1	12.5	12.6	12.7
Tsunami	0.6	0.01	9.4	34.6	58.2	100.7
(Fiscal)	0.3	0.02	5.6	13.8	22.8	38.7
Flood	94.2	2.00				
(Fiscal)	22.4	2.00				
National	169.8	3.61				
Fiscal	45.9	4.11				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **59.92**

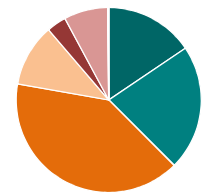
Ranking

SIDS country	20	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	7 343.5	11.1	1.51
	Middle low	10 268.2	15.7	1.53
	Middle high			
	High			
Services	Commercial	18 559.3	28.8	1.55
	Industrial	5 235.5	7.8	1.50
Education	Private	1 759.4	2.4	1.39
	Public	3 739.2	5.5	1.47
Health	Private	91.4	0.1	0.69
	Public	91.4	0.1	0.69
Government	Assets			
	National	47 087.8	71.5	1.52
	Fiscal	11 174.0	16.7	1.49

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

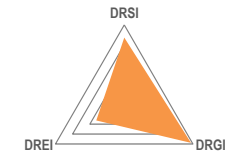
AAL/SE **DRSI** **60.7**

Disaster Risk Growth & Financial Implications

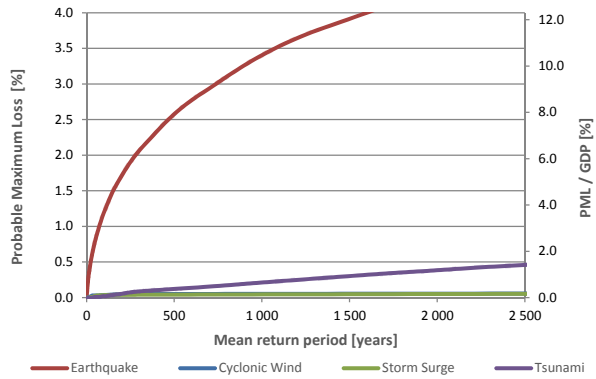
AAL/TR 0.06
AAL/GFCF 0.24 **DRGI** **61.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.14 **DREI** **57.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.06	0.00	0.00	0.00	0.08
(Fiscal)	0.01	0.00	0.00	0.00	0.02
AAL/GNE	0.02	0.00	0.00	0.00	0.03
(Fiscal)	0.01	0.00	0.00	0.00	0.01
AAL/TR	0.03	0.00	0.00	0.00	0.03
(Fiscal)	0.01	0.00	0.00	0.00	0.01
AAL/GFCF	0.10	0.00	0.00	0.00	0.13
(Fiscal)	0.02	0.01	0.00	0.00	0.03
AAL/SE					
(Fiscal)					
PML250/GNE	0.16	0.01	0.00	0.00	
(Fiscal)	0.04	0.05	0.00	0.00	
PML250/GDP	0.04	0.00	0.00	0.00	
(Fiscal)	0.01	0.01	0.00	0.00	

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CAPRA Team

Paraguay

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	6 802 295
- Urban	[%]	59.2
- Rural	[%]	40.8
Land area	[km^2]	397 300.0
Pop.Density	[km^2/Hab]	17.1
GINI	[value]	48.00
HDI	[value]	0.68
Exposed Value	[million US$]	92 658
- Fiscal	[million US$]	20 903

Economic Indicators

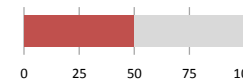
GDP Gross Domestic Product	[million US$]	29 009.4
GDP per capita	[US$]	4 264.7
GNE Gross National Expenditure	[million US$]	27 647.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	3 377.5
GFCF Gross Fixed Capital Formation	[million US$]	4 394.8
TR Total Reserves	[million US$]	5 872.9
Public spending on education	[% GDP]	4.8
Health Expenditure	[% GDP]	10.3

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	92.4	1.00				
(Fiscal)	24.1	1.15				
National	92.4	1.00				
Fiscal	24.1	1.15				

AAL Distribution by Hazard

Disaster Risk Development Implications



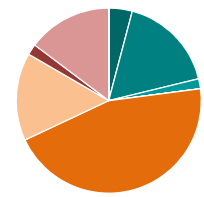
DRDI **49.88**

Ranking		
World	79	168
Region	14	46
Economy	24	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	6 266.6	0.01	0.00
	Middle low	16 541.9	0.02	0.00
	Middle high	3 007.7	0.0	0.00
	High			
Services	Commercial	33 679.3	0.1	0.00
	Industrial	15 068.3	0.02	0.00
Education	Private	3 397.3	0.0	0.00
	Public	14 594.0	0.02	0.00
Health	Private	60.2	0.0	0.00
	Public	42.5	0.0	0.00
Government	Assets			
	National	92 657.8	0.1	0.00
	Fiscal	20 903.0	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

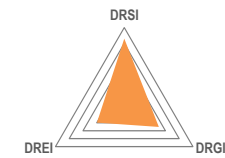
AAL/SE **DRSI** **52.6**

Disaster Risk Growth & Financial Implications

AAL/TR 0.02
AAL/GFCF 0.02
DRGI **49.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03
DREI **48.0**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.03
(Fiscal)					0.01
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.02
(Fiscal)					0.00
AAL/GFCF					0.02
(Fiscal)					0.01
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

Peru

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	30 375 604
- Urban	[%]	78.0
- Rural	[%]	22.0
Land area	[km²]	1 280 000.0
Pop.Density	[km²/Hab]	23.7
GINI	[value]	45.30
HDI	[value]	0.74
Exposed Value	[million US$]	695 119
- Fiscal	[million US$]	91 788

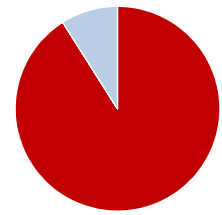
Economic Indicators

GDP Gross Domestic Product	[million US$]	202 349.9
GDP per capita	[US$]	6 661.6
GNE Gross National Expenditure	[million US$]	204 179.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	45 157.3
GFCF Gross Fixed Capital Formation	[million US$]	53 842.0
TR Total Reserves	[million US$]	65 766.1
Public spending on education	[% GDP]	2.8
Health Expenditure	[% GDP]	5.1

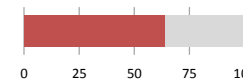
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3 669.6	5.30	22 235.8	37 136.5	52 240.6	69 450.5
(Fiscal)	548.6	5.98	3 084.5	5 075.4	7 077.5	9 316.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	1.0	0.01	3.2	27.3	64.7	174.2
Flood	361.9	0.52				
(Fiscal)	57.0	0.62				
National	4 031.4	5.82				
Fiscal	606.5	6.61				

AAL Distribution by Hazard



Disaster Risk Development Implications



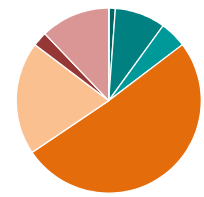
DRDI **64.05**

Ranking		
World	13	168
Region	4	46
Economy	6	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	16 672.1	41.8	2.51
	Middle low	118 088.2	324.9	2.75
	Middle high	64 060.0	171.6	2.68
	High			
Services	Commercial	283 528.0	1 866.9	6.58
	Industrial	118 162.1	725.5	6.14
Education	Private	19 323.2	93.2	4.82
	Public	74 878.5	445.1	5.94
Health	Private	169.1	0.2	0.94
	Public	237.5	0.3	1.31
Government	Assets			
National		695 118.7	3 669.5	5.28
Fiscal		91 788.1	487.2	5.31

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

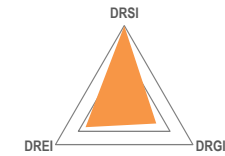
AAL/SE **DRSI** **66.0**

Disaster Risk Growth & Financial Implications

AAL/TR 0.06
AAL/GFCF 0.07
DRGI **62.8**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.09
DREI **63.4**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.08				0.01
(Fiscal)	0.01			0.00	0.00
AAL/GNE	0.02				0.00
(Fiscal)	0.00			0.00	0.00
AAL/TR	0.06				0.01
(Fiscal)	0.01			0.00	0.00
AAL/GFCF	0.07				0.01
(Fiscal)	0.01			0.00	0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.11				
(Fiscal)	0.02			0.00	
PML250/GDP	0.11				
(Fiscal)	0.02			0.00	

CIMNE
International Centre for Numerical Methods in Engineering
INGENIAR Ltd
CAPRA Team

Philippines

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	98 393 576
- Urban	[%]	44.6
- Rural	[%]	55.4
Land area	[km²]	298 170.0
Pop.Density	[km²/Hab]	330.0
GINI	[value]	43.00
HDI	[value]	0.66
Exposed Value	[million US$]	567 468
- Fiscal	[million US$]	141 961

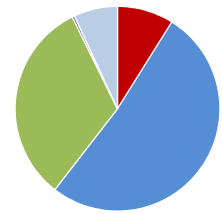
Economic Indicators

GDP Gross Domestic Product	[million US$]	272 066.6
GDP per capita	[US$]	2 765.1
GNE Gross National Expenditure	[million US$]	283 131.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	105 564.2
GFCF Gross Fixed Capital Formation	[million US$]	55 644.8
TR Total Reserves	[million US$]	83 182.4
Public spending on education	[% GDP]	2.7
Health Expenditure	[% GDP]	4.6

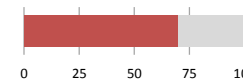
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	703.5	1.24	7 614.5	12 903.8	19 048.4	27 998.2
(Fiscal)	173.2	1.22	1 888.9	3 218.7	4 779.9	7 030.0
Cyclonic Wind	4 071.5	7.18	21 839.0	25 905.8	29 409.1	32 974.3
(Fiscal)	17 812.8	125.48	34 149.4	35 833.2	38 639.5	44 201.9
Storm Surge	2 541.6	4.48	3 827.9	4 008.1	4 308.6	4 909.4
(Fiscal)	629.2	4.43	974.5	1 012.7	1 076.4	1 203.7
Tsunami	30.6	0.05	304.1	1 486.6	3 058.3	5 650.4
(Fiscal)	8.5	0.06	91.7	427.2	852.4	1 576.2
Flood	545.4	0.96				
(Fiscal)	136.1	0.96				
National	7 892.7	13.92				
Fiscal	18 759.7	132.15				

AAL Distribution by Hazard



Disaster Risk Development Implications



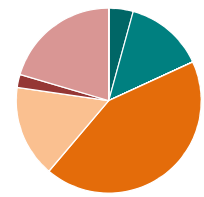
DRDI **69.67**

Ranking		
World	5	168
Region	2	48
Economy	2	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	31 121.9	203.5	6.54
	Middle low	92 234.4	662.5	7.18
	Middle high			
	High			
Services	Commercial	230 321.3	2 055.2	8.92
	Industrial	87 974.9	767.8	8.73
Education	Private	14 845.5	109.5	7.38
	Public	110 770.5	975.2	8.80
Health	Private	130.5	0.3	2.06
	Public	69.1	0.1	1.59
Government	Assets			
	National	567 468.1	4 774.1	8.41
	Fiscal	141 961.5	1 178.8	8.30

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

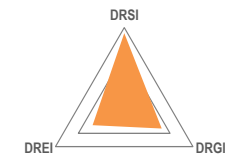
AAL/SE **DRSI** **73.9**

Disaster Risk Growth & Financial Implications

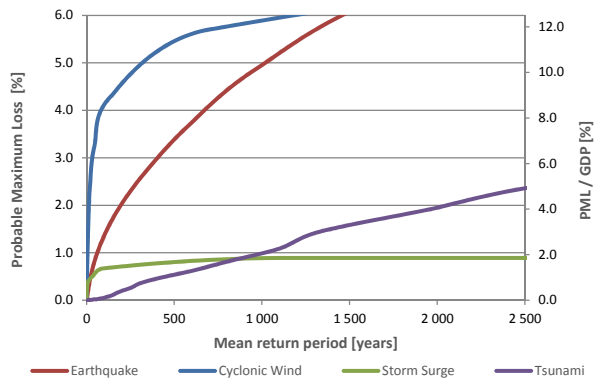
AAL/TR 0.09
AAL/GFCF 0.14 **DRGI** **68.2**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.07 **DREI** **66.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01	0.04	0.02	0.00	0.01
(Fiscal)	0.00	0.17	0.01	0.00	0.00
AAL/GNE	0.00	0.01	0.01	0.00	0.00
(Fiscal)	0.00	0.06	0.00	0.00	0.00
AAL/TR	0.01	0.05	0.03	0.00	0.01
(Fiscal)	0.00	0.21	0.01	0.00	0.00
AAL/GFCF	0.01	0.07	0.05	0.00	0.01
(Fiscal)	0.00	0.32	0.01	0.00	0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.03	0.08	0.01	0.00	
(Fiscal)	0.01	0.12	0.00	0.00	
PML250/GDP	0.03	0.08	0.01	0.00	
(Fiscal)	0.01	0.13	0.00	0.00	

CIMNE
International Centre for Numerical Methods in Engineering

INGENIAR Ltd

CAPRA Team

Poland

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	38 530 724
- Urban	[%]	60.6
- Rural	[%]	39.4
Land area	[km²]	306 220.0
Pop.Density	[km²/Hab]	125.8
GINI	[value]	32.70
HDI	[value]	0.83
Exposed Value	[million US$]	1 620 324
- Fiscal	[million US$]	154 257

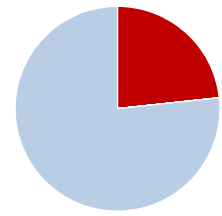
Economic Indicators

GDP Gross Domestic Product	[million US$]	525 866.0
GDP per capita	[US$]	13 648.0
GNE Gross National Expenditure	[million US$]	515 943.5
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	88 936.9
GFCF Gross Fixed Capital Formation	[million US$]	98 972.3
TR Total Reserves	[million US$]	106 221.5
Public spending on education	[% GDP]	5.2
Health Expenditure	[% GDP]	6.7

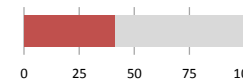
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	188.8	0.12	2 429.8	4 761.9	7 671.5	11 999.9
(Fiscal)	18.5	0.12	238.9	467.4	752.1	1 176.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	621.5	0.38				
(Fiscal)	65.4	0.42				
National	810.3	0.50				
Fiscal	83.9	0.54				

AAL Distribution by Hazard



Disaster Risk Development Implications



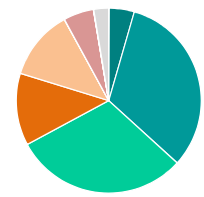
DRDI **41.17**

Ranking		
World	130	168
Region	28	51
Economy	27	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 243.9	0.1	0.03
	Middle low	80 231.4	8.3	0.10
	Middle high	505 006.4	60.9	0.12
	High	472 717.9	57.3	0.12
Services	Commercial	206 249.7	23.8	0.12
	Industrial	197 973.5	23.1	0.12
Education	Private	2 597.5	0.05	0.02
	Public	94 155.0	10.0	0.11
Health	Private	1 290.9	0.01	0.01
	Public	3 096.5	0.1	0.02
Government	Assets	52 761.4	4.9	0.09
	National	1 620 324.2	188.7	0.12
	Fiscal	154 256.8	15.1	0.10

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

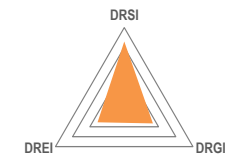
AAL/SE 5865.20 **DRSI** **42.3**

Disaster Risk Growth & Financial Implications

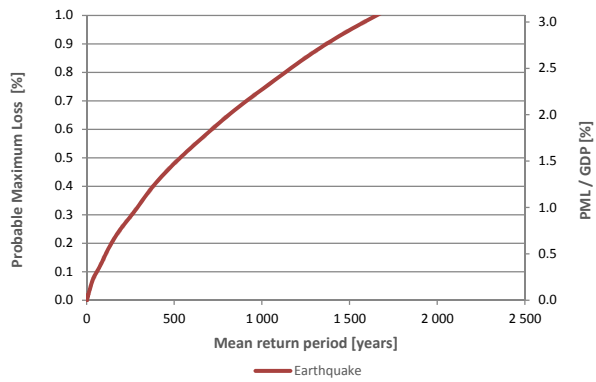
AAL/TR 0.01
AAL/GFCF 0.01 **DRGI** **40.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **40.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE	1366.61				4498.59
(Fiscal)	133.98				473.37
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

CIMNE
International Centre for Numerical Methods in Engineering
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CAPRA Team

Portugal

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	10 459 806
- Urban	[%]	62.3
- Rural	[%]	37.7
Land area	[km²]	91 590.0
Pop.Density	[km²/Hab]	114.2
GINI	[value]	
HDI	[value]	0.82
Exposed Value	[million US$]	1 055 053
- Fiscal	[million US$]	64 942

Economic Indicators

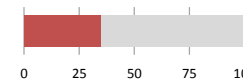
GDP Gross Domestic Product	[million US$]	227 323.7
GDP per capita	[US$]	21 733.1
GNE Gross National Expenditure	[million US$]	225 098.6
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	33 245.9
GFCF Gross Fixed Capital Formation	[million US$]	34 419.0
TR Total Reserves	[million US$]	17 589.3
Public spending on education	[% GDP]	5.6
Health Expenditure	[% GDP]	9.4

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	141.4	0.13				
(Fiscal)	7.5	0.12				
National	141.4	0.13				
Fiscal	7.5	0.12				

AAL Distribution by Hazard

Disaster Risk Development Implications



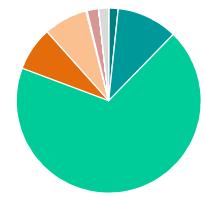
DRDI **35.06**

Ranking		
World	142	168
Region	33	51
Economy	33	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 356.3	0.0	0.00
	Middle low	23 947.6	0.1	0.00
	Middle high	113 412.6	0.8	0.01
	High	645 389.0	4.8	0.01
Services	Commercial	100 634.1	0.5	0.01
	Industrial	101 344.7	0.5	0.01
Education	Private	5 105.3	0.0	0.00
	Public	33 184.6	0.1	0.00
Health	Private	277.8	0.0	0.00
	Public	668.3	0.0	0.00
Government	Assets	29 732.9	0.1	0.00
	National	1 055 053.2	7.0	0.01
	Fiscal	64 942.0	0.3	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

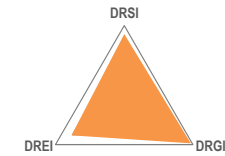
AAL/SE 2061.55 **DRSI** **35.7**

Disaster Risk Growth & Financial Implications

AAL/TR 0.01
AAL/GFCF 0.00 **DRGI** **38.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **30.7**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.00
(Fiscal)					0.00
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.01
(Fiscal)					0.00
AAL/GFCF					0.00
(Fiscal)					0.00
AAL/SE					2061.55
(Fiscal)					109.95
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

Puerto Rico

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	3 615 086
- Urban	[%]	93.7
- Rural	[%]	6.3
Land area	[km²]	8 870.0
Pop.Density	[km²/Hab]	407.6
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	259 035
- Fiscal	[million US$]	6 093

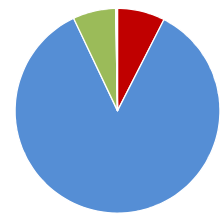
Economic Indicators

GDP Gross Domestic Product	[million US$]	103 134.8
GDP per capita	[US$]	28 529.0
GNE Gross National Expenditure	[million US$]	81 605.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	9 810.6
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	

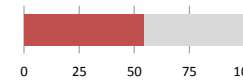
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	354.2	1.37	6 228.8	11 480.6	16 424.7	22 225.9
(Fiscal)	7.7	1.27	136.5	251.9	360.7	488.1
Cyclonic Wind	4 035.1	15.58	99 284.5	148 034.8	158 368.9	179 037.2
(Fiscal)	87.0	14.28	2 136.1	3 224.5	3 421.4	3 815.2
Storm Surge	320.0	1.24	5 430.5	8 170.4	9 207.4	10 585.8
(Fiscal)	7.7	1.26	129.9	196.8	220.3	254.2
Tsunami	3.7	0.01	0.0	0.0	14.7	320.0
(Fiscal)	0.2	0.03	0.0	0.0	2.1	32.1
Flood	9.9	0.04				
(Fiscal)	0.2	0.03				
National	4 722.9	18.23				
Fiscal	102.8	16.87				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **54.37**

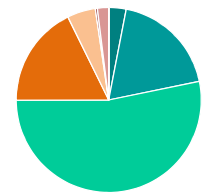
Ranking

SIDS country	25	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	458.3	1.4	2.96
	Middle low	8 137.6	131.6	16.17
	Middle high	48 021.2	822.6	17.13
	High	136 536.3	2 335.1	17.10
Services	Commercial	45 535.9	779.2	17.11
	Industrial	13 023.8	217.0	16.66
Education	Private	1 618.3	15.5	9.59
	Public	5 574.0	86.8	15.58
Health	Private	68.9	0.0	0.36
	Public	60.5	0.0	0.18
Government	Assets			
National		259 034.9	4 389.3	16.94
Fiscal		6 092.9	88.2	14.48

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE — **DRSI** **74.0**

Disaster Risk Growth & Financial Implications

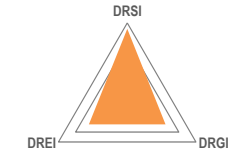
AAL/TR

AAL/GFCF 0.48 — **DRGI** **44.5**

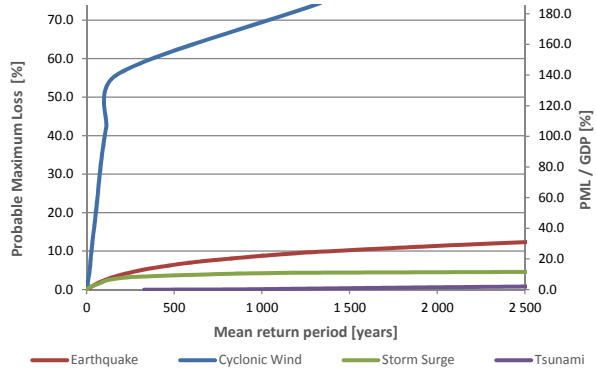
Disaster Risk Economic Implications

AAL/PC 0.02

AAL/GS — **DREI** **44.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE	0.00	0.05	0.00	0.00	0.00
(Fiscal)	0.00	0.00	0.00	0.00	0.00
AAL/TR					
(Fiscal)					
AAL/GFCF	0.04	0.41	0.03	0.00	0.00
(Fiscal)	0.00	0.01	0.00	0.00	0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.08	1.22	0.07		
(Fiscal)	0.00	0.03	0.00		
PML250/GDP	0.06	0.96	0.05		
(Fiscal)	0.00	0.02	0.00		

CIMNE — International Centre for Numerical Methods in Engineering

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Qatar

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 168 673
- Urban	[%]	99.1
- Rural	[%]	0.9
Land area	[km²]	11 610.0
Pop.Density	[km²/Hab]	186.8
GINI	[value]	
HDI	[value]	0.85
Exposed Value	[million US$]	624 846
- Fiscal	[million US$]	11 879

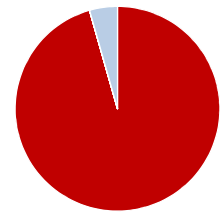
Economic Indicators

GDP Gross Domestic Product	[million US$]	203 235.2
GDP per capita	[US$]	93 714.1
GNE Gross National Expenditure	[million US$]	91 904.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	116 949.9
GFCF Gross Fixed Capital Formation	[million US$]	15 282.4
TR Total Reserves	[million US$]	42 082.2
Public spending on education	[% GDP]	2.5
Health Expenditure	[% GDP]	2.2

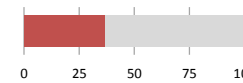
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	152.9	0.24	655.3	1 129.6	1 821.4	2 965.1
(Fiscal)	2.8	0.24	12.0	20.6	33.2	54.1
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	7.0	0.01				
(Fiscal)	0.1	0.01				
National	159.9	0.26				
Fiscal	2.9	0.25				

AAL Distribution by Hazard



Disaster Risk Development Implications



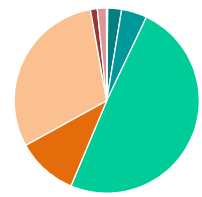
DRDI **36.88**

Ranking		
World	140	168
Region	42	12
Economy	31	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 310.2	0.3	0.22
	Middle low	15 259.6	3.7	0.24
	Middle high	27 975.7	6.8	0.24
	High	307 116.1	75.3	0.25
Services	Commercial	66 648.4	16.3	0.24
	Industrial	188 354.4	46.2	0.25
Education	Private	7 552.4	1.8	0.24
	Public	10 327.2	2.5	0.24
Health	Private	60.1	0.0	0.07
	Public	242.0	0.03	0.13
Government	Assets			
	National	624 846.0	152.9	0.24
	Fiscal	11 879.3	2.8	0.24

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

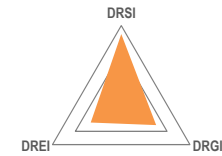
AAL/SE **DRSI** **53.6**

Disaster Risk Growth & Financial Implications

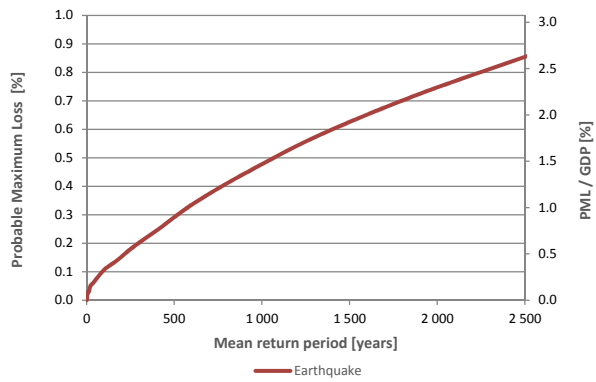
AAL/TR 0.00
AAL/GFCF 0.01 **DRGI** **30.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **26.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

CIMNE
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CAPRA Team

Reunion

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	828 581
- Urban	[%]	94.3
- Rural	[%]	5.7
Land area	[km²]	2 500.0
Pop.Density	[km²/Hab]	331.4
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	67 898
- Fiscal	[million US$]	3 420

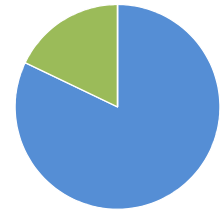
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

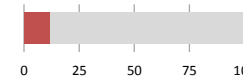
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	114.7	1.69	4 004.2	5 235.4	5 687.6	6 592.1
(Fiscal)	4.9	1.43	169.9	217.9	254.6	273.2
Storm Surge	25.0	0.37	686.7	881.8	1 059.4	1 147.2
(Fiscal)	1.7	0.50	38.6	49.3	55.0	64.2
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	139.6	2.06				
Fiscal	6.6	1.93				

AAL Distribution by Hazard



Disaster Risk Development Implications



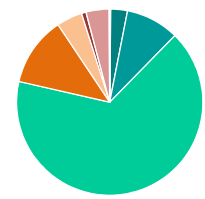
DRDI **11.56**

Ranking		
World	160	168
Region	44	57
Economy	49	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	259.6	0.2	0.77
	Middle low	2 301.8	3.3	1.44
	Middle high	6 432.6	10.6	1.65
	High	43 347.1	75.9	1.75
Services	Commercial	8 237.8	13.8	1.68
	Industrial	3 295.1	5.1	1.56
Education	Private	828.8	0.9	1.09
	Public	3 031.2	4.6	1.53
Health	Private	35.2	0.0	0.32
	Public	128.8	0.1	0.47
Government	Assets			
	National	67 898.0	114.6	1.69
	Fiscal	3 419.6	4.9	1.43

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

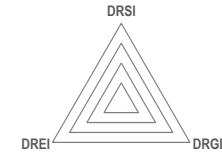
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

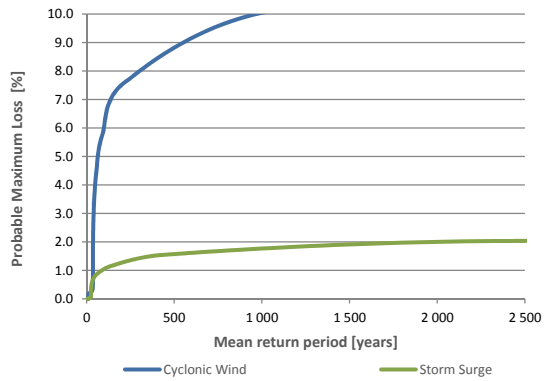
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **34.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	19 963 580
- Urban	[%]	54.2
- Rural	[%]	45.8
Land area	[km²]	230 020.0
Pop.Density	[km²/Hab]	86.8
GINI	[value]	
HDI	[value]	0.79
Exposed Value	[million US$]	556 517
- Fiscal	[million US$]	45 291

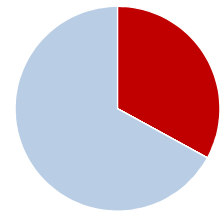
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

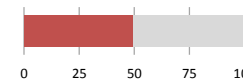
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	255.6	0.46	3 551.7	7 118.2	11 292.6	17 245.0
(Fiscal)	20.9	0.46	291.7	583.7	925.0	1 411.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	519.8	0.94				
(Fiscal)	42.5	0.94				
National	775.4	1.40				
Fiscal	63.5	1.40				

AAL Distribution by Hazard



Disaster Risk Development Implications



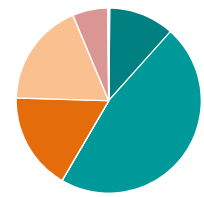
DRDI **49.27**

Ranking		
World	82	168
Region		51
Economy		23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 871.3	0.5	0.19
	Middle low	67 550.8	29.1	0.43
	Middle high	245 329.0	119.6	0.49
	High			
Services	Commercial	96 084.4	43.5	0.45
	Industrial	101 522.6	46.5	0.46
Education	Private	306.2	0.0	0.04
	Public	40 458.6	15.8	0.39
Health	Private	433.3	0.0	0.05
	Public	1 961.1	0.3	0.16
Government	Assets			
National		556 517.2	255.4	0.46
Fiscal		45 291.0	16.6	0.37

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

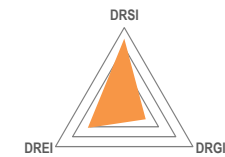
AAL/SE — **DRSI** 50.4

Disaster Risk Growth & Financial Implications

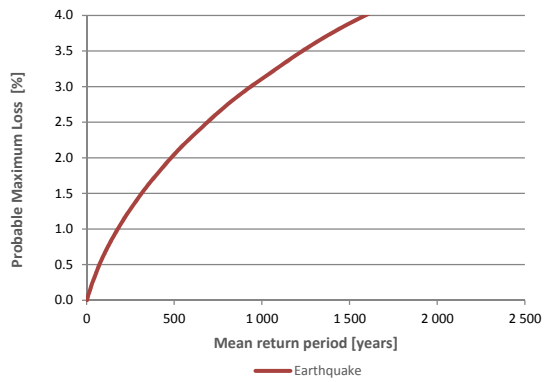
AAL/TR
AAL/GFCF — **DRGI** 48.3

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS — **DREI** 49.1



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE					
(Fiscal)					
AAL/TR					
(Fiscal)					
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	143 499 856
- Urban	[%]	73.9
- Rural	[%]	26.1
Land area	[km²]	16 376 870.0
Pop.Density	[km²/Hab]	8.8
GINI	[value]	39.60
HDI	[value]	0.78
Exposed Value	[million US$]	6 650 892
- Fiscal	[million US$]	891 624

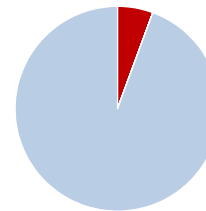
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 096 777.0
GDP per capita	[US$]	14 611.7
GNE Gross National Expenditure	[million US$]	1 973 571.7
SE Social Expenditure	[million US$]	0.4
GS Gross Savings	[million US$]	567 367.8
GFCF Gross Fixed Capital Formation	[million US$]	450 238.9
TR Total Reserves	[million US$]	509 692.1
Public spending on education	[% GDP]	4.1
Health Expenditure	[% GDP]	6.3

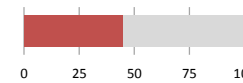
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	296.9	0.05	2 624.9	4 392.3	6 007.1	7 918.2
(Fiscal)	45.1	0.05	391.1	653.5	894.8	1 181.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	4 987.0	0.79				
(Fiscal)	859.2	0.96				
National	5 283.9	0.84				
Fiscal	904.3	1.01				

AAL Distribution by Hazard



Disaster Risk Development Implications



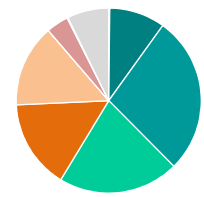
DRDI **44.69**

Ranking		
World	**113**	168
Region	**22**	51
Economy	**25**	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

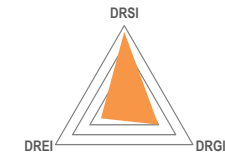
Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	28 861.5	0.5	0.02
	Middle low	677 983.1	29.0	0.04
	Middle high	1 729 385.0	82.2	0.05
	High	1 340 381.0	62.8	0.05
Services	Commercial	1 037 516.0	46.4	0.04
	Industrial	959 296.1	42.9	0.04
Education	Private	2 838.1	0.0	0.00
	Public	310 446.6	11.6	0.04
Health	Private	11 868.8	0.1	0.01
	Public	21 172.3	0.3	0.01
Government	Assets	531 143.4	21.6	0.04
	National	6 650 892.0	297.5	0.04
	Fiscal	891 623.8	34.0	0.04

AAL Distribution by Sector

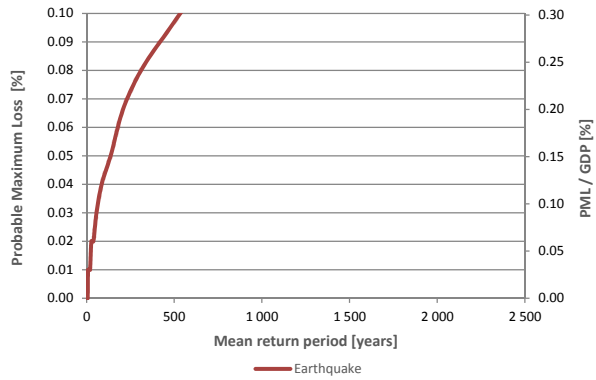


DRDI Components

Disaster Risk Social Implications			
AAL/SE	12552.58	**DRSI**	**47.4**
Disaster Risk Growth & Financial Implications			
AAL/TR	0.01	**DRGI**	**44.0**
AAL/GFCF	0.01		
Disaster Risk Economic Implications			
AAL/PC	0.00	**DREI**	**42.7**
AAL/GS	0.01		



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE	705.37				11847.21
(Fiscal)	107.09				2041.22
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

Rwanda

Africa

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Brief Country Risk Profile

UNISDR
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National Information

Population	[Hab]	11 776 522
- Urban	[%]	26.9
- Rural	[%]	73.1
Land area	[km²]	24 670.0
Pop.Density	[km²/Hab]	477.4
GINI	[value]	50.80
HDI	[value]	0.51
Exposed Value	[million US$]	13 198
- Fiscal	[million US$]	8 046

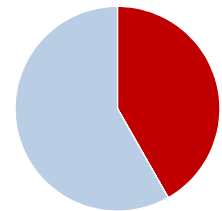
Economic Indicators

GDP Gross Domestic Product	[million US$]	7 521.3
GDP per capita	[US$]	638.7
GNE Gross National Expenditure	[million US$]	8 767.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 189.1
GFCF Gross Fixed Capital Formation	[million US$]	1 920.5
TR Total Reserves	[million US$]	1 070.5
Public spending on education	[% GDP]	5.1
Health Expenditure	[% GDP]	10.7

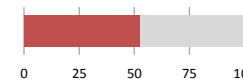
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	12.7	0.96	153.1	410.7	786.0	1 342.7
(Fiscal)	7.5	0.94	91.0	244.2	467.3	796.7
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	17.7	1.34				
(Fiscal)	10.7	1.33				
National	30.4	2.30				
Fiscal	18.3	2.27				

AAL Distribution by Hazard



Disaster Risk Development Implications



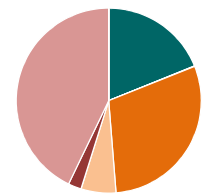
DRDI **52.79**

Ranking		
World	55	168
Region	16	57
Economy	24	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 463.8	2.4	0.97
	Middle low	89.2	0.0	0.12
	Middle high			
	High			
Services	Commercial	3 877.0	3.8	0.97
	Industrial	819.4	0.8	0.94
Education	Private	357.3	0.3	0.81
	Public	5 573.4	5.4	0.97
Health	Private	9.8	0.0	0.02
	Public	8.5	0.0	0.02
Government	Assets			
	National	13 198.4	12.7	0.96
	Fiscal	8 045.7	7.8	0.97

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

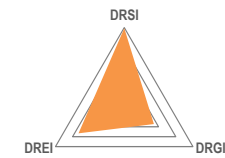
AAL/SE **DRSI** **54.0**

Disaster Risk Growth & Financial Implications

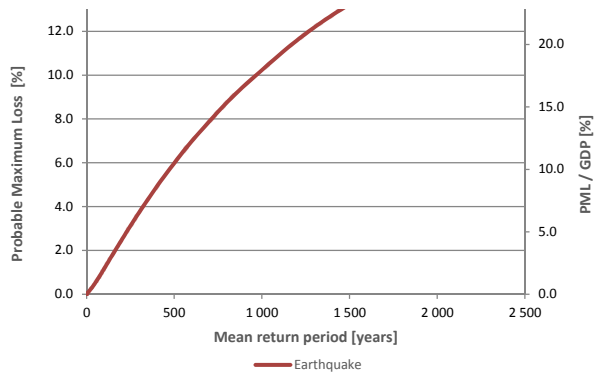
AAL/TR 0.03
AAL/GFCF 0.02
DRGI **51.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03
DREI **52.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.01				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.02
(Fiscal)	0.01				0.01
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.01				
PML250/GDP	0.02				
(Fiscal)	0.01				

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Samoa

Oceania

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Brief Country Risk Profile

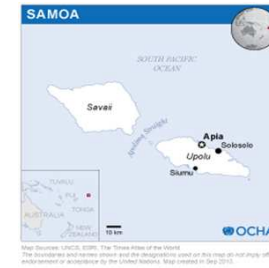
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	190 372
- Urban	[%]	19.4
- Rural	[%]	80.6
Land area	[km²]	2 830.0
Pop.Density	[km²/Hab]	67.3
GINI	[value]	
HDI	[value]	0.69
Exposed Value	[million US$]	1 930
- Fiscal	[million US$]	502

Economic Indicators

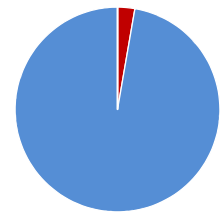
GDP Gross Domestic Product	[million US$]	801.9
GDP per capita	[US$]	4 212.4
GNE Gross National Expenditure	[million US$]	959.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	170.9
Public spending on education	[% GDP]	5.8
Health Expenditure	[% GDP]	6.8



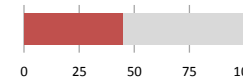
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.4	0.21	7.2	21.1	38.9	63.8
(Fiscal)	0.1	0.20	1.8	5.4	10.1	16.6
Cyclonic Wind	14.3	7.40	479.5	596.5	602.4	614.2
(Fiscal)	23.5	46.87	361.4	361.4	361.4	361.4
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	14.7	7.61				
Fiscal	23.6	47.07				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **44.65**

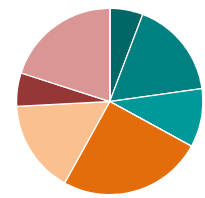
Ranking

SIDS Country **30** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	118.6	0.8	7.14
	Middle low	325.1	2.5	7.69
	Middle high	199.8	1.5	7.48
	High			
Services	Commercial	475.0	3.7	7.75
	Industrial	309.6	2.4	7.64
Education	Private	119.0	0.8	7.14
	Public	381.7	2.9	7.71
Health	Private	0.2	0.0	0.00
	Public	1.5	0.0	0.00
Government	Assets			
	National	1 930.5	14.7	7.61
	Fiscal	501.8	3.8	7.55

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **65.3**

Disaster Risk Growth & Financial Implications

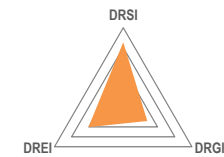
AAL/TR 0.09 **DRGI** **28.1**

AAL/GFCF

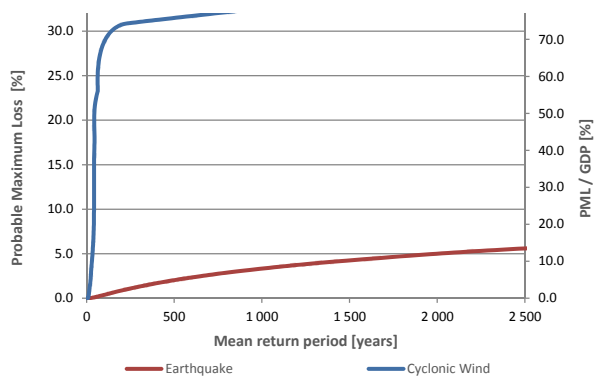
Disaster Risk Economic Implications

AAL/PC 0.01 **DREI** **40.6**

AAL/GS



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE	0.00	0.01		
(Fiscal)	0.00	0.02		
AAL/TR	0.00	0.08		
(Fiscal)	0.00	0.14		
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE	0.01	0.50		
(Fiscal)	0.00	0.38		
PML250/GDP	0.01	0.60		
(Fiscal)	0.00	0.45		

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CAPRA Team

San Marino

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	31 448
- Urban	[%]	94.1
- Rural	[%]	5.9
Land area	[km²]	60.0
Pop.Density	[km²/Hab]	524.1
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	4 049
- Fiscal	[million US$]	245

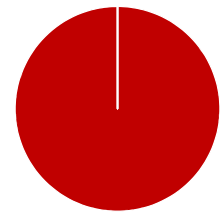
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 899.8
GDP per capita	[US$]	62 188.9
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	539.3
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	6.5

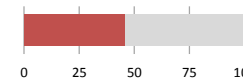
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	5.9	1.46	81.6	205.1	361.5	567.0
(Fiscal)	0.4	1.43	4.8	12.1	21.3	33.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	5.9	1.46				
Fiscal	0.4	1.43				

AAL Distribution by Hazard



Disaster Risk Development Implications



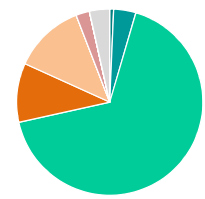
DRDI **45.96**

Ranking		
World	103	168
Region	18	51
Economy	14	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2.0	0.0	0.00
	Middle low	36.6	0.0	1.08
	Middle high	157.7	0.2	1.45
	High	2 694.4	4.0	1.47
Services	Commercial	412.5	0.6	1.47
	Industrial	496.6	0.7	1.47
Education	Private	5.8	0.0	0.00
	Public	97.1	0.1	1.44
Health	Private	0.7	0.0	0.00
	Public	2.3	0.0	0.00
Government	Assets	143.5	0.2	1.45
	National	4 049.4	5.9	1.46
	Fiscal	244.8	0.3	1.42

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **60.6**

Disaster Risk Growth & Financial Implications

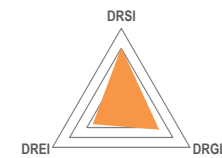
AAL/TR 0.01 **DRGI** **44.2**

AAL/GFCF

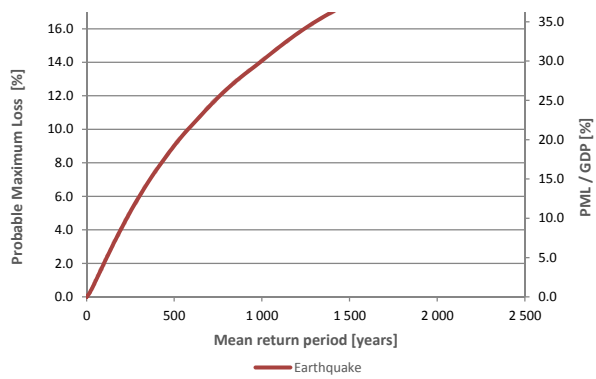
Disaster Risk Economic Implications

AAL/PC 0.00 **DREI** **33.1**

AAL/GS



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR	0.01			
(Fiscal)	0.00			
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP	0.04			
(Fiscal)	0.00			

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CAPRA Team

Sao Tome And Principe

Africa

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Brief Country Risk Profile

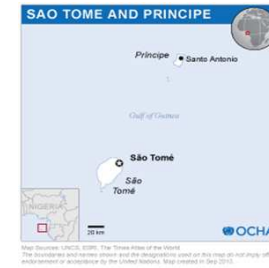
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	192 993
- Urban	[%]	63.9
- Rural	[%]	36.1
Land area	[km²]	960.0
Pop.Density	[km²/Hab]	201.0
GINI	[value]	33.80
HDI	[value]	0.56
Exposed Value	[million US$]	2 123
- Fiscal	[million US$]	780

Economic Indicators

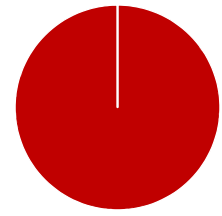
GDP Gross Domestic Product	[million US$]	310.7
GDP per capita	[US$]	1 609.8
GNE Gross National Expenditure	[million US$]	423.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	30.3
GFCF Gross Fixed Capital Formation	[million US$]	129.6
TR Total Reserves	[million US$]	63.8
Public spending on education	[% GDP]	9.5
Health Expenditure	[% GDP]	7.9



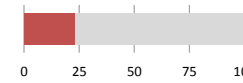
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.03	0.8	1.6	2.9	6.1
(Fiscal)	0.0	0.03	0.3	0.6	1.1	2.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	0.1	0.03				
Fiscal	0.0	0.03				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **23.07**

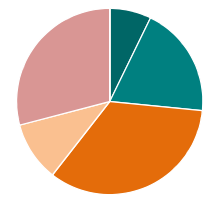
Ranking

SIDS Country **41** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	175.4	0.0	0.03
	Middle low	411.4	0.0	0.03
	Middle high			
	High			
Services	Commercial	700.7	0.0	0.03
	Industrial	228.3	0.0	0.03
Education	Private			
	Public	602.5	0.0	0.03
Health	Private	2.7	0.0	0.00
	Public	1.7	0.0	0.00
Government	Assets			
National		2 122.7	0.1	0.03
Fiscal		779.6	0.0	0.03

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

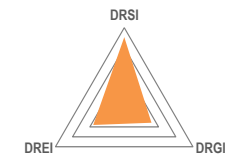
AAL/SE **DRSI** **35.3**

Disaster Risk Growth & Financial Implications

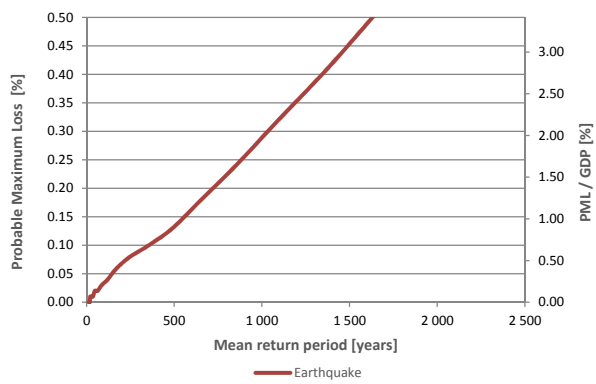
AAL/TR 0.00
AAL/GFCF 0.00 **DRGI** **15.9**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **18.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.00			
(Fiscal)	0.00			
AAL/GNE	0.00			
(Fiscal)	0.00			
AAL/TR	0.00			
(Fiscal)	0.00			
AAL/GFCF	0.00			
(Fiscal)	0.00			
AAL/SE				
(Fiscal)				
PML250/GNE	0.00			
(Fiscal)	0.00			
PML250/GDP	0.00			
(Fiscal)	0.00			

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CAPRA Team

Saudi Arabia

Asia

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	28 828 870
- Urban	[%]	82.7
- Rural	[%]	17.3
Land area	[km²]	2 149 690.0
Pop.Density	[km²/Hab]	13.4
GINI	[value]	
HDI	[value]	0.84
Exposed Value	[million US$]	2 145 054
- Fiscal	[million US$]	211 213

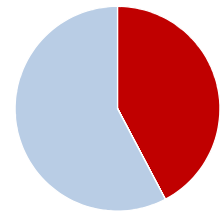
Economic Indicators

GDP Gross Domestic Product	[million US$]	748 449.6
GDP per capita	[US$]	25 961.8
GNE Gross National Expenditure	[million US$]	590 125.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	347 127.3
GFCF Gross Fixed Capital Formation	[million US$]	173 661.9
TR Total Reserves	[million US$]	737 796.5
Public spending on education	[% GDP]	5.1
Health Expenditure	[% GDP]	3.2

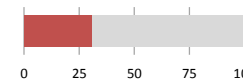
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	162.7	0.08	1 020.9	2 409.8	4 450.0	7 765.3
(Fiscal)	15.8	0.07	98.2	234.2	436.7	769.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	222.2	0.10				
(Fiscal)	20.2	0.10				
National	384.9	0.18				
Fiscal	36.0	0.17				

AAL Distribution by Hazard



Disaster Risk Development Implications



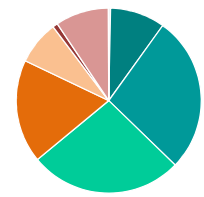
DRDI **30.76**

Ranking		
World	147	168
Region	44	12
Economy	35	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	8 706.0	0.5	0.06
	Middle low	206 608.6	15.6	0.08
	Middle high	583 806.5	44.5	0.08
	High	569 382.5	43.5	0.08
Services	Commercial	386 312.5	29.4	0.08
	Industrial	165 331.0	12.4	0.08
Education	Private	21 828.0	1.5	0.07
	Public	201 126.7	15.2	0.08
Health	Private	571.7	0.0	0.03
	Public	1 380.8	0.1	0.04
Government	Assets			
	National	2 145 054.2	162.6	0.08
	Fiscal	211 213.5	15.8	0.07

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

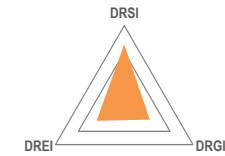
AAL/SE **DRSI** **45.9**

Disaster Risk Growth & Financial Implications

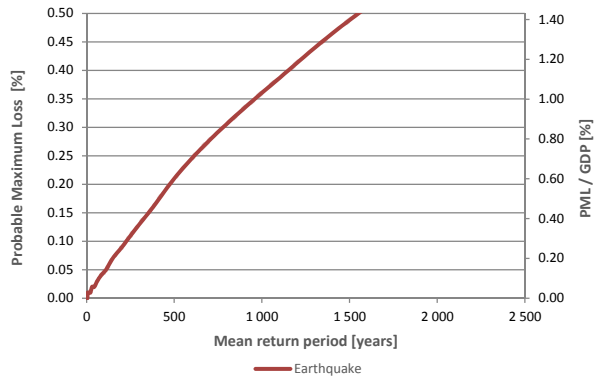
AAL/TR 0.00
AAL/GFCF 0.00 **DRGI** **22.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **24.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Senegal

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	14 133 280
- Urban	[%]	43.1
- Rural	[%]	56.9
Land area	[km²]	192 530.0
Pop.Density	[km²/Hab]	73.4
GINI	[value]	40.30
HDI	[value]	0.49
Exposed Value	[million US$]	35 354
- Fiscal	[million US$]	16 862

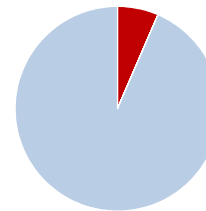
Economic Indicators

GDP Gross Domestic Product	[million US$]	14 791.7
GDP per capita	[US$]	1 046.6
GNE Gross National Expenditure	[million US$]	17 930.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	3 153.3
GFCF Gross Fixed Capital Formation	[million US$]	3 706.1
TR Total Reserves	[million US$]	2 253.1
Public spending on education	[% GDP]	5.6
Health Expenditure	[% GDP]	5.0

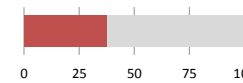
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.8	0.02	13.8	30.8	56.4	110.2
(Fiscal)	0.4	0.02	6.6	14.7	26.8	52.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	11.4	0.32				
(Fiscal)	6.4	0.38				
National	12.2	0.34				
Fiscal	6.8	0.40				

AAL Distribution by Hazard



Disaster Risk Development Implications



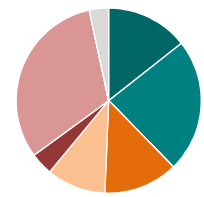
DRDI **37.48**

Ranking		
World	139	168
Region	41	57
Economy	45	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	5 378.7	0.1	0.01
	Middle low	7 917.3	0.1	0.01
	Middle high			
	High			
Services	Commercial	4 816.6	0.1	0.01
	Industrial	4 083.6	0.0	0.01
Education	Private	1 672.8	0.0	0.01
	Public	10 036.8	0.1	0.01
Health	Private	1.3	0.0	0.00
	Public	1.6	0.0	0.00
Government	Assets	1 445.0	0.0	0.01
	National	35 353.6	0.4	0.01
	Fiscal	16 862.0	0.2	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

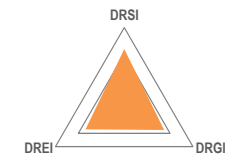
AAL/SE **DRSI** **43.8**

Disaster Risk Growth & Financial Implications

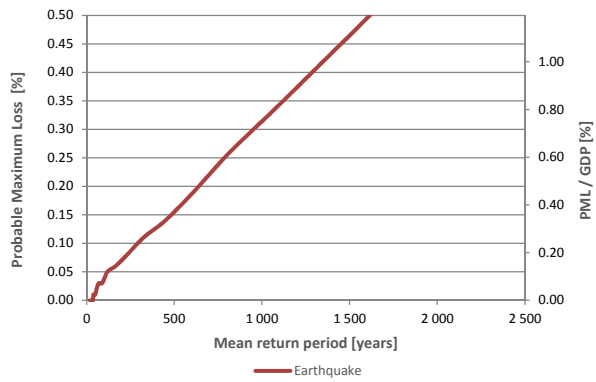
AAL/TR 0.01
AAL/GFCF 0.00 **DRGI** **34.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **33.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	7 163 976
- Urban	[%]	55.4
- Rural	[%]	44.6
Land area	[km²]	87 460.0
Pop.Density	[km²/Hab]	81.9
GINI	[value]	29.60
HDI	[value]	0.75
Exposed Value	[million US$]	57 361
- Fiscal	[million US$]	7 284

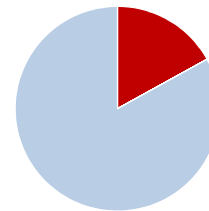
Economic Indicators

GDP Gross Domestic Product	[million US$]	45 519.7
GDP per capita	[US$]	6 354.0
GNE Gross National Expenditure	[million US$]	50 611.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	4 375.6
GFCF Gross Fixed Capital Formation	[million US$]	8 634.6
TR Total Reserves	[million US$]	15 431.8
Public spending on education	[% GDP]	4.8
Health Expenditure	[% GDP]	10.5

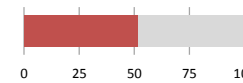
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	33.4	0.58	418.4	817.9	1 264.2	1 865.2
(Fiscal)	4.2	0.58	52.9	103.5	160.0	236.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	163.3	2.85				
(Fiscal)	20.7	2.84				
National	196.6	3.43				
Fiscal	24.9	3.42				

AAL Distribution by Hazard



Disaster Risk Development Implications



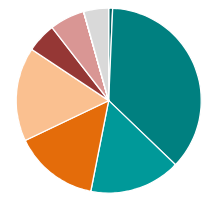
DRDI **51.7**

Ranking		
World	66	168
Region	11	51
Economy	12	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	682.5	0.2	0.31
	Middle low	20 093.3	11.5	0.57
	Middle high	9 082.5	5.0	0.55
	High			
Services	Commercial	8 458.7	4.7	0.55
	Industrial	9 162.8	5.2	0.56
Education	Private	3 182.0	1.6	0.51
	Public	3 699.1	1.9	0.52
Health	Private	96.7	0.0	0.04
	Public	159.4	0.0	0.08
Government	Assets	2 743.4	1.4	0.50
National		57 360.6	31.5	0.55
Fiscal		7 284.5	3.5	0.48

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

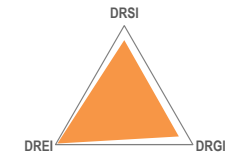
AAL/SE **DRSI** **49.0**

Disaster Risk Growth & Financial Implications

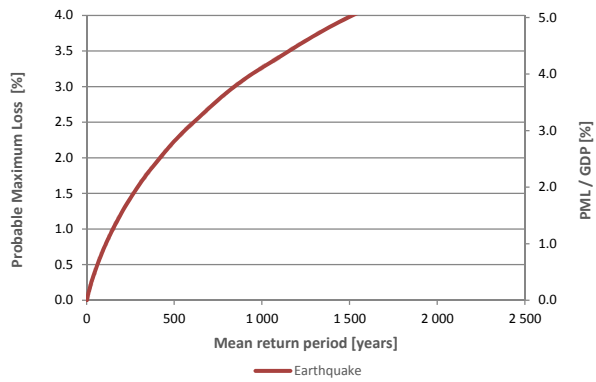
AAL/TR 0.01
AAL/GFCF 0.02
DRGI **47.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.04
DREI **58.4**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.04
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.02
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

Seychelles

Africa

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Brief Country Risk Profile

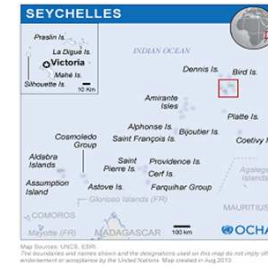
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	89 173
- Urban	[%]	53.2
- Rural	[%]	46.8
Land area	[km²]	460.0
Pop.Density	[km²/Hab]	193.9
GINI	[value]	65.70
HDI	[value]	0.76
Exposed Value	[million US$]	6 235
- Fiscal	[million US$]	1 246

Economic Indicators

GDP Gross Domestic Product	[million US$]	1 443.3
GDP per capita	[US$]	16 185.9
GNE Gross National Expenditure	[million US$]	1 607.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	124.1
GFCF Gross Fixed Capital Formation	[million US$]	484.9
TR Total Reserves	[million US$]	425.9
Public spending on education	[% GDP]	3.6
Health Expenditure	[% GDP]	4.7

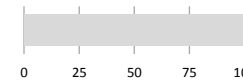


National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National						
Fiscal						

AAL Distribution by Hazard

Disaster Risk Development Implications



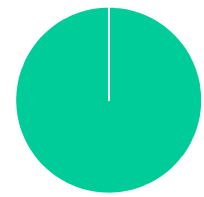
DRDI **0**

Ranking	
World	168
Region	57
Economy	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	25.8	0.0	0.00
	Middle low	658.0	0.0	0.00
	Middle high	1 027.2	0.0	0.00
	High	1 690.0	0.0	0.00
Services	Commercial	861.9	0.0	0.00
	Industrial	714.5	0.0	0.00
Education	Private	33.6	0.0	0.00
	Public	514.6	0.0	0.00
Health	Private	4.1	0.0	0.00
	Public	11.7	0.0	0.00
Government	Assets	693.7	0.0	0.00
	National	6 235.0	0.0	0.00
	Fiscal	1 245.8	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

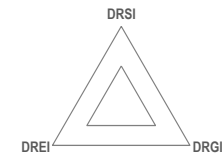
AAL/SE **DRSI**

Disaster Risk Growth & Financial Implications

AAL/TR **AAL/GFCF** **DRGI**

Disaster Risk Economic Implications

AAL/PC **AAL/GS** **DREI**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	6 092 075
- Urban	[%]	39.2
- Rural	[%]	60.8
Land area	[km²]	72 180.0
Pop.Density	[km²/Hab]	84.4
GINI	[value]	35.30
HDI	[value]	0.37
Exposed Value	[million US$]	3 032
- Fiscal	[million US$]	1 726

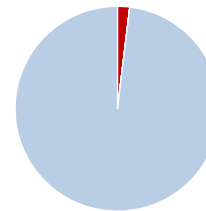
Economic Indicators

GDP Gross Domestic Product	[million US$]	4 136.3
GDP per capita	[US$]	679.0
GNE Gross National Expenditure	[million US$]	4 191.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	458.0
GFCF Gross Fixed Capital Formation	[million US$]	685.1
TR Total Reserves	[million US$]	532.5
Public spending on education	[% GDP]	2.9
Health Expenditure	[% GDP]	15.1

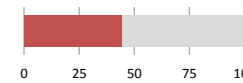
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.03	1.7	3.9	7.2	14.0
(Fiscal)	0.1	0.03	1.0	2.2	4.1	8.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	5.1	1.68				
(Fiscal)	3.2	1.87				
National	5.2	1.71				
Fiscal	3.3	1.90				

AAL Distribution by Hazard



Disaster Risk Development Implications



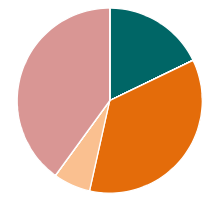
DRDI **44.27**

Ranking		
World	**118**	168
Region	**33**	57
Economy	**39**	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	588.9	0.0	0.01
	Middle low			
	Middle high			
	High			
Services	Commercial	1 025.9	0.0	0.01
	Industrial	257.0	0.0	0.00
Education	Private	22.6	0.0	0.00
	Public	1 136.8	0.0	0.01
Health	Private	1.0	0.0	0.00
	Public	0.1	0.0	0.00
Government	Assets			
National		3 032.3	0.0	0.01
Fiscal		1 725.8	0.0	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

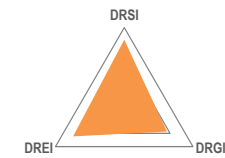
AAL/SE **DRSI** **50.9**

Disaster Risk Growth & Financial Implications

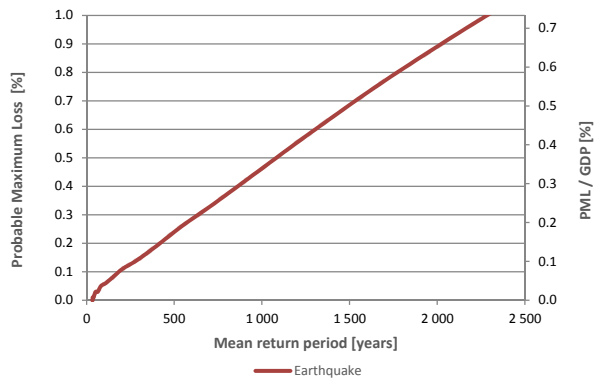
AAL/TR 0.01
AAL/GFCF 0.01 **DRGI** **37.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **44.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Singapore

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	5 399 200
- Urban	[%]	100.0
- Rural	[%]	0.0
Land area	[km²]	700.0
Pop.Density	[km²/Hab]	7 713.1
GINI	[value]	
HDI	[value]	0.90
Exposed Value	[million US$]	1 126 600
- Fiscal	[million US$]	39 659

Economic Indicators

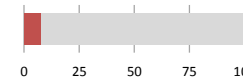
GDP Gross Domestic Product	[million US$]	297 941.3
GDP per capita	[US$]	55 182.5
GNE Gross National Expenditure	[million US$]	229 373.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	137 951.8
GFCF Gross Fixed Capital Formation	[million US$]	77 176.1
TR Total Reserves	[million US$]	277 797.7
Public spending on education	[% GDP]	3.0
Health Expenditure	[% GDP]	4.7

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National						
Fiscal						

AAL Distribution by Hazard

Disaster Risk Development Implications



DRDI **7.62**

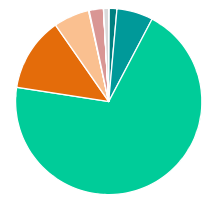
Ranking

SIDS Country	48	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	881.7	0.0	0.00
	Middle low	15 429.5	0.0	0.00
	Middle high	71 377.6	0.1	0.00
	High	782 249.1	1.4	0.00
Services	Commercial	145 231.3	0.3	0.00
	Industrial	70 570.2	0.1	0.00
Education	Private	1 543.5	0.0	0.00
	Public	28 297.3	0.0	0.00
Health	Private	540.2	0.0	0.00
	Public	252.1	0.0	0.00
Government	Assets	10 227.6	0.0	0.00
	National	1 126 600.1	2.0	0.00
	Fiscal	39 658.7	0.1	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

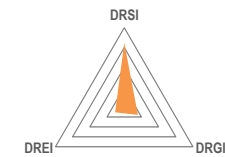
AAL/SE — **DRSI** 16.2

Disaster Risk Growth & Financial Implications

AAL/TR, AAL/GFCF — **DRGI** 4.0

Disaster Risk Economic Implications

AAL/PC, AAL/GS — **DREI** 2.7



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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Slovakia

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	5 414 095
- Urban	[%]	53.9
- Rural	[%]	46.1
Land area	[km²]	48 088.0
Pop.Density	[km²/Hab]	112.6
GINI	[value]	26.50
HDI	[value]	0.83
Exposed Value	[million US$]	414 937
- Fiscal	[million US$]	31 613

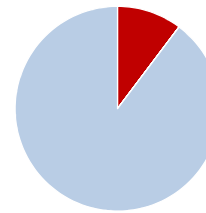
Economic Indicators

GDP Gross Domestic Product	[million US$]	97 707.3
GDP per capita	[US$]	18 046.8
GNE Gross National Expenditure	[million US$]	93 274.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	20 208.8
GFCF Gross Fixed Capital Formation	[million US$]	19 975.3
TR Total Reserves	[million US$]	2 152.9
Public spending on education	[% GDP]	4.1
Health Expenditure	[% GDP]	7.8

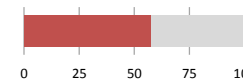
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	61.0	0.15	522.7	1 233.3	2 370.4	4 258.0
(Fiscal)	4.7	0.15	40.1	94.8	182.2	327.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	532.3	1.28				
(Fiscal)	41.7	1.32				
National	593.3	1.43				
Fiscal	46.3	1.47				

AAL Distribution by Hazard



Disaster Risk Development Implications



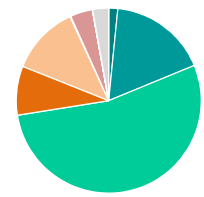
DRDI **57.67**

Ranking		
World	31	168
Region	4	51
Economy	2	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	466.4	0.0	0.02
	Middle low	8 195.2	0.9	0.12
	Middle high	70 714.9	10.5	0.15
	High	217 150.4	32.7	0.15
Services	Commercial	35 925.9	5.2	0.15
	Industrial	49 646.0	7.4	0.15
Education	Private	1 456.0	0.1	0.05
	Public	17 471.8	2.4	0.14
Health	Private	235.3	0.0	0.01
	Public	531.1	0.0	0.02
Government	Assets	13 143.6	1.7	0.13
National		414 936.6	60.9	0.15
Fiscal		31 613.0	4.1	0.13

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

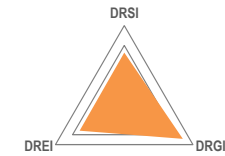
AAL/SE **DRSI** **52.8**

Disaster Risk Growth & Financial Implications

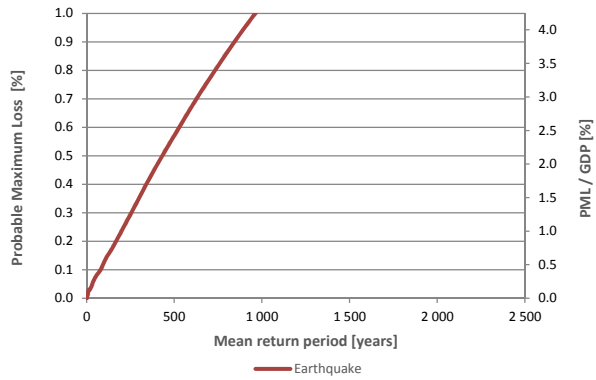
AAL/TR 0.28
AAL/GFCF 0.03
DRGI **68.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03
DREI **51.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.03
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.01
(Fiscal)	0.00				0.00
AAL/TR	0.03				0.25
(Fiscal)	0.00				0.02
AAL/GFCF	0.00				0.03
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

CIMNE
International Centre for Numerical Methods in Engineering
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CAPRA Team

Slovenia

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	2 060 484
- Urban	[%]	49.8
- Rural	[%]	50.2
Land area	[km²]	20 140.0
Pop.Density	[km²/Hab]	102.3
GINI	[value]	24.80
HDI	[value]	0.87
Exposed Value	[million US$]	139 926
- Fiscal	[million US$]	8 639

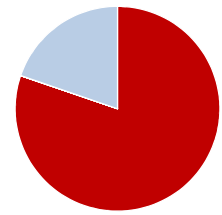
Economic Indicators

GDP Gross Domestic Product	[million US$]	47 987.3
GDP per capita	[US$]	23 289.3
GNE Gross National Expenditure	[million US$]	45 103.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	10 481.9
GFCF Gross Fixed Capital Formation	[million US$]	9 461.9
TR Total Reserves	[million US$]	922.2
Public spending on education	[% GDP]	5.7
Health Expenditure	[% GDP]	8.8

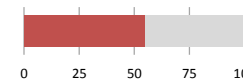
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	159.2	1.14	2 274.0	5 431.2	9 058.2	13 627.8
(Fiscal)	10.0	1.15	142.5	339.7	565.8	851.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	39.2	0.28				
(Fiscal)	2.4	0.28				
National	198.4	1.42				
Fiscal	12.4	1.43				

AAL Distribution by Hazard



Disaster Risk Development Implications



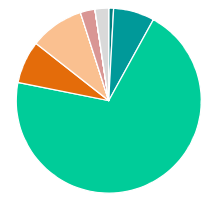
DRDI **54.74**

Ranking		
World	41	168
Region	6	51
Economy	4	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	Average Annual Loss [‰]
Residential (income)	Low	106.6	0.0	0.09
	Middle low	1 863.8	1.3	0.71
	Middle high	10 544.3	11.4	1.08
	High	94 406.4	111.6	1.18
Services	Commercial	10 931.8	11.9	1.09
	Industrial	13 464.3	15.0	1.12
Education	Private	33.8	0.0	0.05
	Public	4 327.6	4.1	0.94
Health	Private	42.3	0.0	0.05
	Public	105.8	0.0	0.09
Government	Assets	4 099.4	3.8	0.93
	National	139 926.1	159.2	1.14
	Fiscal	8 639.4	7.9	0.91

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

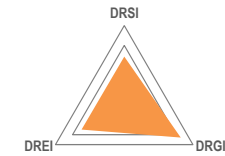
AAL/SE **DRSI** **48.7**

Disaster Risk Growth & Financial Implications

AAL/TR 0.22
AAL/GFCF 0.02
DRGI **65.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **49.7**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.17				0.04
(Fiscal)	0.01				0.00
AAL/GFCF	0.02				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.05				
(Fiscal)	0.00				
PML250/GDP	0.05				
(Fiscal)	0.00				

CIMNE
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CAPRA Team

Solomon Islands

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	561 231
- Urban	[%]	21.4
- Rural	[%]	78.6
Land area	[km²]	27 990.0
Pop.Density	[km²/Hab]	20.1
GINI	[value]	
HDI	[value]	0.49
Exposed Value	[million US$]	3 694
- Fiscal	[million US$]	1 484

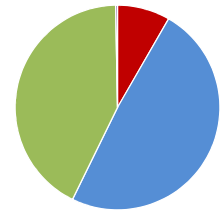
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 096.4
GDP per capita	[US$]	1 953.6
GNE Gross National Expenditure	[million US$]	1 206.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	47.1
GFCF Gross Fixed Capital Formation	[million US$]	61.1
TR Total Reserves	[million US$]	520.5
Public spending on education	[% GDP]	9.9
Health Expenditure	[% GDP]	8.1

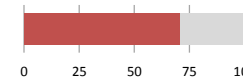
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.6	0.98	49.0	89.9	130.5	178.9
(Fiscal)	1.5	0.98	19.7	36.3	52.9	72.8
Cyclonic Wind	21.2	5.75	713.4	899.8	946.7	1 040.5
(Fiscal)	60.2	40.59	840.3	840.3	840.3	840.3
Storm Surge	18.4	4.99	256.0	300.0	300.1	300.1
(Fiscal)	7.4	5.01	103.1	124.0	124.0	124.0
Tsunami	0.1	0.04	2.5	7.3	13.7	22.2
(Fiscal)	0.1	0.03	1.0	3.0	5.6	9.1
National	43.4	11.75				
Fiscal	69.2	46.61				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **70.8**

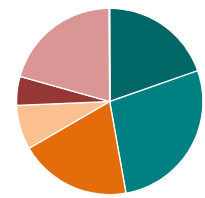
Ranking

SIDS Country	11	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	722.5	4.8	6.61
	Middle low	1 010.2	6.7	6.64
	Middle high			
	High			
Services	Commercial	716.0	4.7	6.61
	Industrial	290.6	1.9	6.43
Education	Private	192.6	1.2	6.33
	Public	757.3	5.0	6.62
Health	Private	0.3	0.0	2.34
	Public	4.1	0.0	3.48
Government	Assets			
National		3 693.6	24.3	6.59
Fiscal		1 483.9	9.8	6.61

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

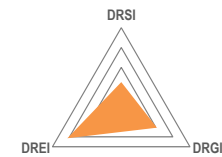
AAL/SE **DRSI** **66.3**

Disaster Risk Growth & Financial Implications

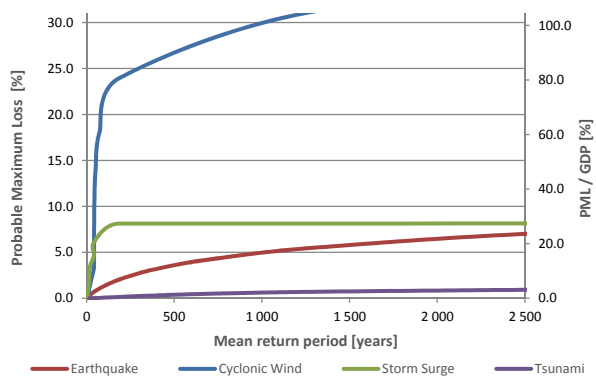
AAL/TR 0.08
AAL/GFCF 0.71
DRGI **70.4**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.92
DREI **75.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.08	0.45	0.39	0.00
(Fiscal)	0.03	1.28	0.16	0.00
AAL/GNE	0.00	0.02	0.02	0.00
(Fiscal)	0.00	0.05	0.01	0.00
AAL/TR	0.01	0.04	0.04	0.00
(Fiscal)	0.00	0.12	0.01	0.00
AAL/GFCF	0.06	0.35	0.30	0.00
(Fiscal)	0.02	0.99	0.12	0.00
AAL/SE				
(Fiscal)				
PML250/GNE	0.04	0.59	0.21	0.00
(Fiscal)	0.02	0.70	0.09	0.00
PML250/GDP	0.04	0.65	0.23	0.00
(Fiscal)	0.02	0.77	0.09	0.00

CIMNE — International Centre for Numerical Methods in Engineering

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CAPRA Team

Somalia

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	10 495 583
- Urban	[%]	38.6
- Rural	[%]	61.4
Land area	[km²]	627 340.0
Pop.Density	[km²/Hab]	16.7
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	6 422
- Fiscal	[million US$]	4 152

Economic Indicators

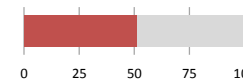
GDP Gross Domestic Product	[million US$]	917.0
GDP per capita	[US$]	145.1
GNE Gross National Expenditure	[million US$]	1 173.4
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	175.2
GFCF Gross Fixed Capital Formation	[million US$]	136.6
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.2	0.02	1.8	5.1	10.2	18.7
(Fiscal)	0.1	0.03	1.2	3.5	6.9	12.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	28.4	4.43				
(Fiscal)	18.5	4.46				
National	28.5	4.45				
Fiscal	18.6	4.48				

AAL Distribution by Hazard

Disaster Risk Development Implications



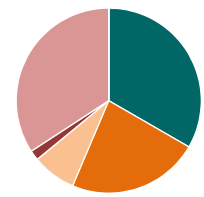
DRDI **51.14**

Ranking		
World	70	168
Region	20	57
Economy	27	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 056.7	0.0	0.01
	Middle low			
	Middle high			
	High			
Services	Commercial	1 504.0	0.0	0.01
	Industrial	605.4	0.0	0.01
Education	Private	158.0	0.0	0.01
	Public	2 093.6	0.0	0.01
Health	Private	2.0	0.0	0.00
	Public	2.0	0.0	0.00
Government	Assets			
	National	6 421.6	0.1	0.01
	Fiscal	4 152.2	0.0	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

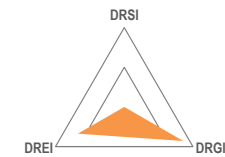
AAL/TR

AAL/GFCF 0.21 **DRGI** **85.9**

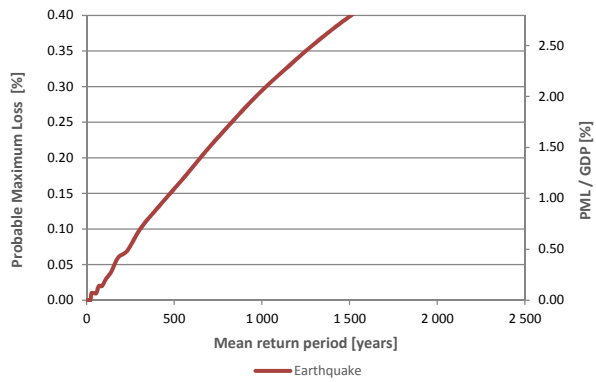
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS 0.16 **DREI** **67.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.16
(Fiscal)	0.00				0.11
AAL/GNE	0.00				0.02
(Fiscal)	0.00				0.02
AAL/TR					
(Fiscal)					
AAL/GFCF	0.00				0.21
(Fiscal)	0.00				0.14
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

South Africa

Africa

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	52 981 992
- Urban	[%]	63.8
- Rural	[%]	36.2
Land area	[km²]	1 213 090.0
Pop.Density	[km²/Hab]	43.7
GINI	[value]	65.00
HDI	[value]	0.66
Exposed Value	[million US$]	1 299 288
- Fiscal	[million US$]	275 750

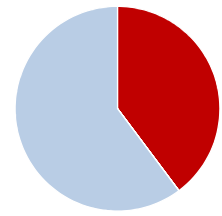
Economic Indicators

GDP Gross Domestic Product	[million US$]	350 630.1
GDP per capita	[US$]	6 617.9
GNE Gross National Expenditure	[million US$]	360 489.1
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	54 166.9
GFCF Gross Fixed Capital Formation	[million US$]	67 780.4
TR Total Reserves	[million US$]	49 708.2
Public spending on education	[% GDP]	6.6
Health Expenditure	[% GDP]	8.8

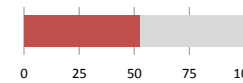
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	601.2	0.47	7 858.9	14 793.2	21 883.9	30 125.4
(Fiscal)	125.4	0.45	1 644.5	3 099.3	4 592.7	6 300.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	910.3	0.71				
(Fiscal)	187.5	0.68				
National	1 511.5	1.18				
Fiscal	313.0	1.14				

AAL Distribution by Hazard



Disaster Risk Development Implications



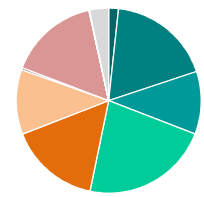
DRDI **52.47**

Ranking		
World	58	168
Region	17	57
Economy	9	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	24 437.4	10.1	0.41
	Middle low	234 326.1	108.9	0.46
	Middle high	142 690.3	65.6	0.46
	High	287 509.1	134.0	0.47
Services	Commercial	203 886.8	94.8	0.46
	Industrial	147 802.4	67.7	0.46
Education	Private	5 905.6	2.1	0.36
	Public	204 171.4	94.3	0.46
Health	Private	1 417.3	0.4	0.29
	Public	978.9	0.3	0.26
Government	Assets	46 162.3	20.0	0.43
	National	1 299 287.6	598.2	0.46
	Fiscal	275 749.9	124.7	0.45

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

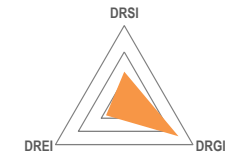
AAL/SE 26303.86 **DRSI** **52.3**

Disaster Risk Growth & Financial Implications

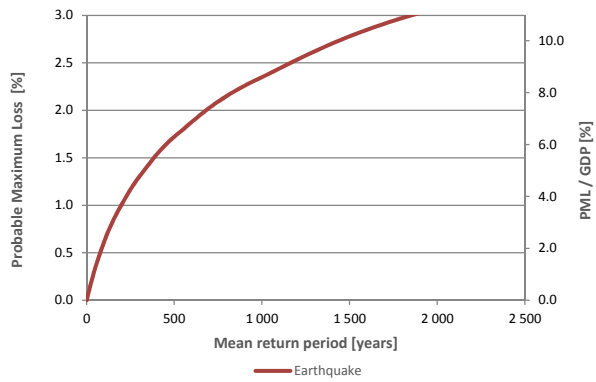
AAL/TR 0.03
AAL/GFCF 0.02 **DRGI** **53.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03 **DREI** **51.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.02
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.02
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.00
AAL/SE	10463.14				15840.72
(Fiscal)	2182.98				3263.68
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.02				
(Fiscal)	0.00				

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CAPRA Team

South Korea

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	50 219 668
- Urban	[%]	82.2
- Rural	[%]	17.8
Land area	[km^2]	97 350.0
Pop.Density	[km^2/Hab]	515.9
GINI	[value]	
HDI	[value]	0.89
Exposed Value	[million US$]	5 545 796
- Fiscal	[million US$]	191 861

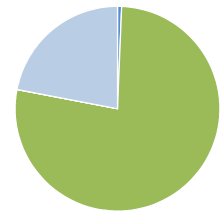
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 304 554.0
GDP per capita	[US$]	25 977.0
GNE Gross National Expenditure	[million US$]	1 238 504.8
SE Social Expenditure	[million US$]	0.2
GS Gross Savings	[million US$]	423 041.3
GFCF Gross Fixed Capital Formation	[million US$]	386 884.9
TR Total Reserves	[million US$]	345 694.1
Public spending on education	[% GDP]	5.3
Health Expenditure	[% GDP]	7.5

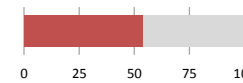
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	64.2	0.01	1 112.0	1 388.2	1 507.6	1 651.2
(Fiscal)	---	---	---	---	---	---
Storm Surge	7 688.9	1.39	50 115.4	58 999.9	60 040.5	62 121.6
(Fiscal)	211.4	1.10	1 486.0	1 585.5	1 751.2	1 950.9
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	2 185.4	0.39				
(Fiscal)	62.3	0.32				
National	9 938.4	1.79				
Fiscal	273.7	1.43				

AAL Distribution by Hazard



Disaster Risk Development Implications



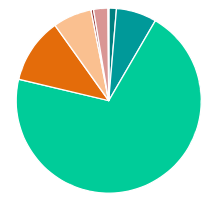
DRDI **53.95**

Ranking		
World	46	168
Region	18	48
Economy	5	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 028.5	0.1	0.01
	Middle low	72 511.4	1.4	0.02
	Middle high	371 352.9	7.7	0.02
	High	3 629 090.0	76.6	0.02
Services	Commercial	772 103.5	12.5	0.02
	Industrial	466 434.0	7.4	0.02
Education	Private	37 238.0	0.5	0.01
	Public	180 880.2	2.8	0.02
Health	Private	5 204.8	0.0	0.01
	Public	6 952.4	0.1	0.01
Government	Assets			
	National	5 545 795.7	109.0	0.02
	Fiscal	191 861.1	2.9	0.02

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

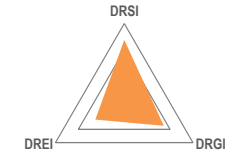
AAL/SE 52791.99 **DRSI** **56.9**

Disaster Risk Growth & Financial Implications

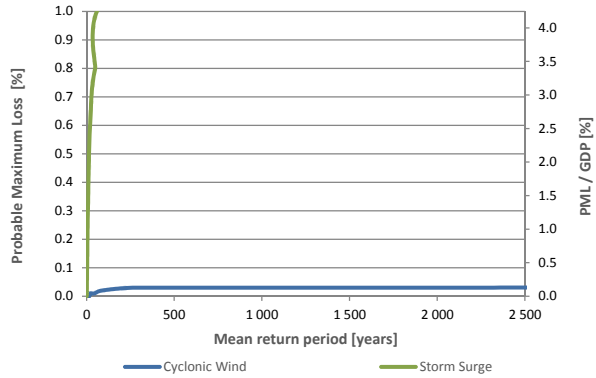
AAL/TR 0.03
AAL/GFCF 0.03 **DRGI** **53.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 **DREI** **51.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS		0.00	0.02		0.01
(Fiscal)			0.00		0.00
AAL/GNE		0.00	0.01		0.00
(Fiscal)			0.00		0.00
AAL/TR		0.00	0.02		0.01
(Fiscal)			0.00		0.00
AAL/GFCF		0.00	0.02		0.01
(Fiscal)			0.00		0.00
AAL/SE		340.76	40842.52		11608.71
(Fiscal)			1122.94		330.99
PML250/GNE		0.00	0.04		
(Fiscal)			0.00		
PML250/GDP		0.00	0.04		
(Fiscal)			0.00		

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CAPRA Team

South Sudan

Africa

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	11 296 173
- Urban	[%]	18.4
- Rural	[%]	81.6
Land area	[km²]	0.0
Pop.Density	[km²/Hab]	65 535.0
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	19 990
- Fiscal	[million US$]	9 079

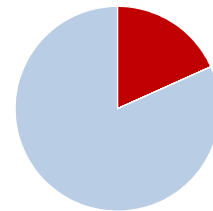
Economic Indicators

GDP Gross Domestic Product	[million US$]	11 804.4
GDP per capita	[US$]	1 045.0
GNE Gross National Expenditure	[million US$]	14 712.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	1 399.3
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	2.5

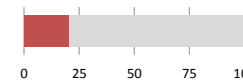
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.9	0.20	67.7	169.0	285.1	422.7
(Fiscal)	2.0	0.22	34.1	84.6	141.3	208.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	17.4	0.87				
(Fiscal)	9.8	1.08				
National	21.3	1.07				
Fiscal	11.8	1.29				

AAL Distribution by Hazard



Disaster Risk Development Implications



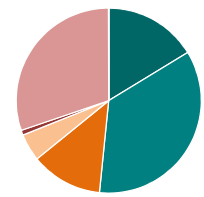
DRDI **20.45**

Ranking		
World	152	168
Region		57
Economy		30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3 506.1	0.4	0.12
	Middle low	6 354.9	0.9	0.14
	Middle high			
	High			
Services	Commercial	2 856.1	0.3	0.11
	Industrial	1 382.3	0.1	0.09
Education	Private	306.8	0.0	0.07
	Public	5 568.1	0.8	0.14
Health	Private	10.7	0.0	0.05
	Public	5.3	0.0	0.04
Government	Assets			
	National	19 990.3	2.6	0.13
	Fiscal	9 079.5	1.2	0.13

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

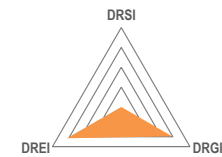
AAL/TR

AAL/GFCF 0.02 **DRGI** **29.6**

Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS **DREI** **31.7**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR					
(Fiscal)					
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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Spain

Europe

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	46 647 420
- Urban	[%]	79.1
- Rural	[%]	20.9
Land area	[km²]	498 800.0
Pop.Density	[km²/Hab]	93.5
GINI	[value]	35.70
HDI	[value]	0.87
Exposed Value	[million US$]	6 263 846
- Fiscal	[million US$]	285 215

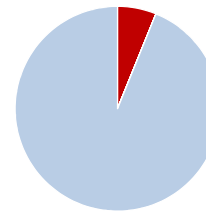
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 393 040.2
GDP per capita	[US$]	29 863.2
GNE Gross National Expenditure	[million US$]	1 345 564.2
SE Social Expenditure	[million US$]	0.4
GS Gross Savings	[million US$]	278 107.9
GFCF Gross Fixed Capital Formation	[million US$]	257 993.3
TR Total Reserves	[million US$]	46 335.5
Public spending on education	[% GDP]	5.0
Health Expenditure	[% GDP]	9.6

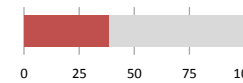
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	72.5	0.01	682.0	1 667.5	3 079.0	5 281.5
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	1 109.2	0.18				
(Fiscal)	45.3	0.16				
National	1 181.7	0.19				
Fiscal	45.3	0.16				

AAL Distribution by Hazard



Disaster Risk Development Implications



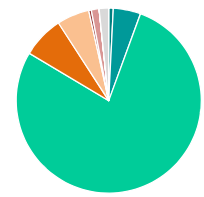
DRDI **38.59**

Ranking		
World	136	168
Region	30	51
Economy	28	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

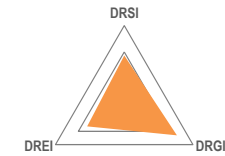
Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3 956.8	0.0	0.00
	Middle low	68 845.7	0.5	0.01
	Middle high	317 804.1	3.4	0.01
	High	4 537 973.0	55.3	0.01
Services	Commercial	557 816.7	5.2	0.01
	Industrial	439 687.1	4.0	0.01
Education	Private	55 230.8	0.3	0.01
	Public	127 906.8	1.0	0.01
Health	Private	1 273.3	0.0	0.00
	Public	3 176.3	0.0	0.00
Government	Assets	150 175.2	1.2	0.01
	National	6 263 845.7	70.9	0.01
	Fiscal	285 215.1	2.2	0.01

AAL Distribution by Sector

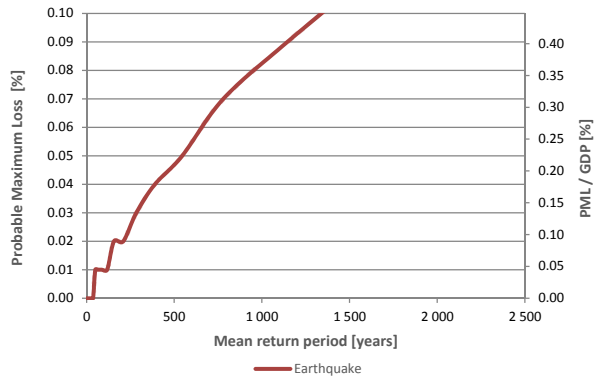


DRDI Components

Disaster Risk Social Implications			
AAL/SE	2810.20	**DRSI**	**37.4**
Disaster Risk Growth & Financial Implications			
AAL/TR	0.03	**DRGI**	**46.0**
AAL/GFCF	0.00		
Disaster Risk Economic Implications			
AAL/PC	0.00	**DREI**	**32.3**
AAL/GS	0.00		



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)					0.00
AAL/GNE	0.00				0.00
(Fiscal)					0.00
AAL/TR	0.00				0.02
(Fiscal)					0.00
AAL/GFCF	0.00				0.00
(Fiscal)					0.00
AAL/SE	172.37				2637.83
(Fiscal)					107.73
PML250/GNE	0.00				
(Fiscal)					
PML250/GDP	0.00				
(Fiscal)					

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CAPRA Team

Sri Lanka

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	20 483 000
- Urban	[%]	18.3
- Rural	[%]	81.7
Land area	[km²]	62 710.0
Pop.Density	[km²/Hab]	326.6
GINI	[value]	36.40
HDI	[value]	0.75
Exposed Value	[million US$]	208 415
- Fiscal	[million US$]	61 807

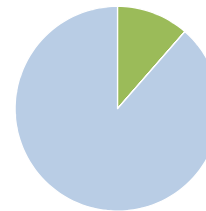
Economic Indicators

GDP Gross Domestic Product	[million US$]	67 182.0
GDP per capita	[US$]	3 279.9
GNE Gross National Expenditure	[million US$]	73 583.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	14 056.8
GFCF Gross Fixed Capital Formation	[million US$]	19 647.2
TR Total Reserves	[million US$]	7 500.0
Public spending on education	[% GDP]	1.7
Health Expenditure	[% GDP]	3.2

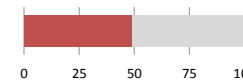
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	126.6	2.05	3 109.6	3 560.0	3 736.0	4 088.0
Storm Surge	18.6	0.09	385.0	385.0	385.0	385.0
(Fiscal)	5.7	0.09	116.0	116.0	116.0	116.0
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	143.8	0.69				
(Fiscal)	44.3	0.72				
National	162.3	0.78				
Fiscal	176.6	2.86				

AAL Distribution by Hazard



Disaster Risk Development Implications



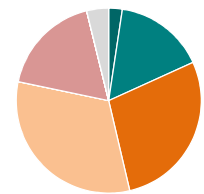
DRDI **49.14**

Ranking		
World	85	168
Region	29	48
Economy	25	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	10 126.8	0.0	0.00
	Middle low	34 526.7	0.3	0.01
	Middle high			
	High			
Services	Commercial	53 004.0	0.5	0.01
	Industrial	58 441.3	0.5	0.01
Education	Private	391.4	0.0	0.00
	Public	37 771.0	0.3	0.01
Health	Private	244.3	0.0	0.00
	Public	231.0	0.0	0.00
Government	Assets	13 678.5	0.1	0.00
National		208 414.9	1.7	0.01
Fiscal		61 807.2	0.4	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

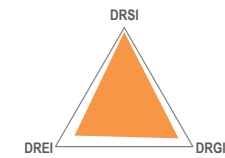
AAL/SE — **DRSI** 56.7

Disaster Risk Growth & Financial Implications

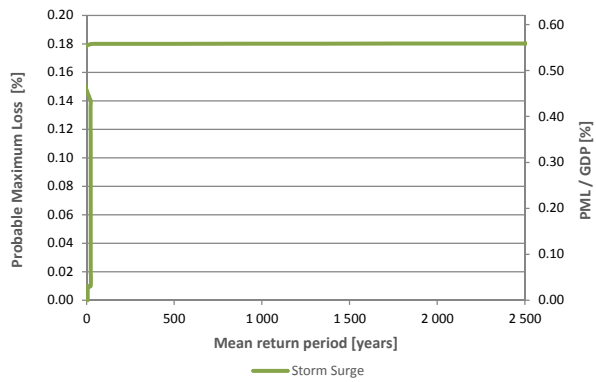
AAL/TR 0.02
AAL/GFCF 0.01 — **DRGI** 47.4

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 — **DREI** 43.4



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS			0.00		0.01
(Fiscal)		0.01	0.00		0.00
AAL/GNE			0.00		0.00
(Fiscal)		0.00	0.00		0.00
AAL/TR			0.00		0.02
(Fiscal)		0.02	0.00		0.01
AAL/GFCF			0.00		0.01
(Fiscal)		0.01	0.00		0.00
AAL/SE					
(Fiscal)					
PML250/GNE			0.01		
(Fiscal)		0.04	0.00		
PML250/GDP			0.01		
(Fiscal)		0.05	0.00		

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CAPRA Team

St Kitts and Nevis

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

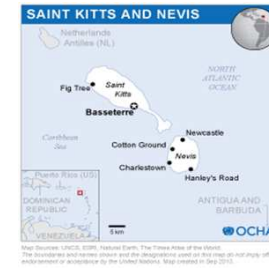
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	54 191
- Urban	[%]	31.9
- Rural	[%]	68.1
Land area	[km^2]	260.0
Pop.Density	[km^2/Hab]	208.4
GINI	[value]	
HDI	[value]	0.75
Exposed Value	[million US$]	4 112
- Fiscal	[million US$]	490

Economic Indicators

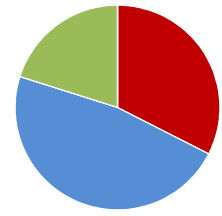
GDP Gross Domestic Product	[million US$]	765.9
GDP per capita	[US$]	14 132.8
GNE Gross National Expenditure	[million US$]	849.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	127.4
GFCF Gross Fixed Capital Formation	[million US$]	220.1
TR Total Reserves	[million US$]	302.0
Public spending on education	[% GDP]	4.2
Health Expenditure	[% GDP]	5.9



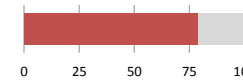
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	26.7	6.48	543.0	874.9	1 131.6	1 399.6
(Fiscal)	3.1	6.29	66.9	112.7	147.9	184.3
Cyclonic Wind	38.9	9.46	910.9	1 273.7	1 449.0	1 687.8
(Fiscal)	4.4	9.00	103.9	145.4	169.2	193.1
Storm Surge	16.5	4.01	238.6	290.4	338.4	366.9
(Fiscal)	1.9	3.94	29.0	35.9	42.1	45.7
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	82.0	19.95				
Fiscal	9.4	19.22				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **78.71**

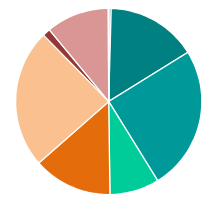
Ranking

SIDS Country	4	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	33.4	0.3	8.62
	Middle low	639.8	10.3	16.10
	Middle high	1 010.0	16.4	16.24
	High	354.3	5.6	15.94
Services	Commercial	562.8	9.0	15.99
	Industrial	974.9	15.8	16.21
Education	Private	73.8	0.9	11.90
	Public	447.8	7.2	16.03
Health	Private	6.4	0.0	2.95
	Public	8.8	0.0	2.93
Government	Assets			
National		4 112.1	65.5	15.94
Fiscal		490.0	7.5	15.29

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

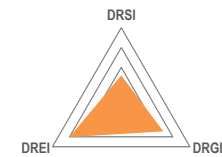
AAL/SE **DRSI** **77.2**

Disaster Risk Growth & Financial Implications

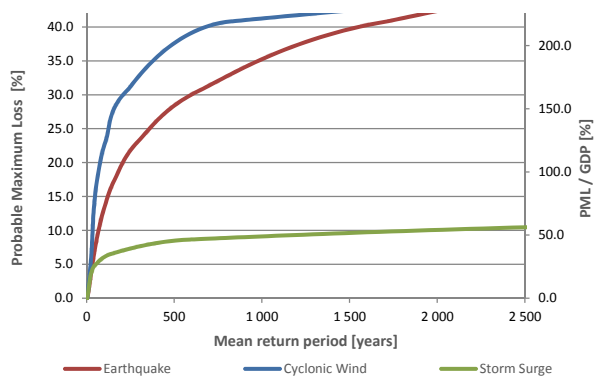
AAL/TR 0.27
AAL/GFCF 0.37
DRGI **78.9**

Disaster Risk Economic Implications

AAL/PC 0.02
AAL/GS 0.64
DREI **80.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.21	0.31	0.13	
(Fiscal)	0.02	0.03	0.02	
AAL/GNE	0.03	0.05	0.02	
(Fiscal)	0.00	0.01	0.00	
AAL/TR	0.09	0.13	0.05	
(Fiscal)	0.01	0.01	0.01	
AAL/GFCF	0.12	0.18	0.07	
(Fiscal)	0.01	0.02	0.01	
AAL/SE				
(Fiscal)				
PML250/GNE	0.64	1.07	0.28	
(Fiscal)	0.08	0.12	0.03	
PML250/GDP	0.71	1.19	0.31	
(Fiscal)	0.09	0.14	0.04	

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CAPRA Team

St Lucia

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	182 273
- Urban	[%]	18.5
- Rural	[%]	81.5
Land area	[km²]	610.0
Pop.Density	[km²/Hab]	298.8
GINI	[value]	42.50
HDI	[value]	0.71
Exposed Value	[million US$]	3 362
- Fiscal	[million US$]	461

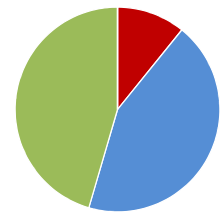
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 335.8
GDP per capita	[US$]	7 328.4
GNE Gross National Expenditure	[million US$]	1 405.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	177.3
GFCF Gross Fixed Capital Formation	[million US$]	311.8
TR Total Reserves	[million US$]	192.2
Public spending on education	[% GDP]	4.1
Health Expenditure	[% GDP]	8.5

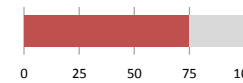
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	5.1	1.51	105.4	246.1	377.0	522.2
(Fiscal)	0.7	1.43	13.7	32.7	50.8	70.9
Cyclonic Wind	20.4	6.07	515.8	906.3	1 092.6	1 272.7
(Fiscal)	2.7	5.79	67.3	118.7	143.2	169.5
Storm Surge	21.3	6.32	475.8	693.2	825.8	981.4
(Fiscal)	2.9	6.33	65.2	95.1	113.7	135.7
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	46.7	13.90				
Fiscal	6.3	13.56				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **74.96**

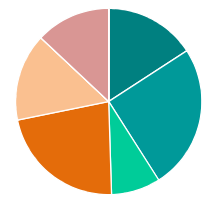
Ranking

SIDS Country	8	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	27.3	0.0	0.34
	Middle low	524.1	4.0	7.68
	Middle high	826.4	6.4	7.75
	High	291.0	2.2	7.48
Services	Commercial	735.9	5.7	7.71
	Industrial	505.0	3.9	7.67
Education	Private	16.2	0.0	0.00
	Public	430.9	3.3	7.69
Health	Private	2.3	0.0	0.00
	Public	2.7	0.0	0.00
Government	Assets			
National		3 361.9	25.5	7.58
Fiscal		460.9	3.3	7.21

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

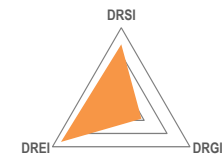
AAL/SE **DRSI** **75.4**

Disaster Risk Growth & Financial Implications

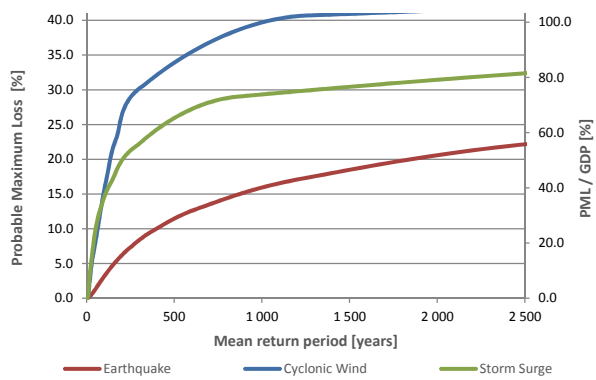
AAL/TR 0.24
AAL/GFCF 0.15
DRGI **73.9**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.26
DREI **75.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.03	0.12	0.12	
(Fiscal)	0.00	0.02	0.02	
AAL/GNE	0.00	0.01	0.02	
(Fiscal)	0.00	0.00	0.00	
AAL/TR	0.03	0.11	0.11	
(Fiscal)	0.00	0.01	0.02	
AAL/GFCF	0.02	0.07	0.07	
(Fiscal)	0.00	0.01	0.01	
AAL/SE				
(Fiscal)				
PML250/GNE	0.07	0.37	0.34	
(Fiscal)	0.01	0.05	0.05	
PML250/GDP	0.08	0.39	0.36	
(Fiscal)	0.01	0.05	0.05	

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INGENIAR Ltd

CAPRA Team

St Vincent and the Grenadines

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	109 373
- Urban	[%]	49.8
- Rural	[%]	50.2
Land area	[km²]	390.0
Pop.Density	[km²/Hab]	280.4
GINI	[value]	
HDI	[value]	0.72
Exposed Value	[million US$]	2 645
- Fiscal	[million US$]	344

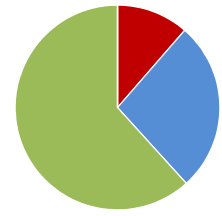
Economic Indicators

GDP Gross Domestic Product	[million US$]	709.4
GDP per capita	[US$]	6 485.7
GNE Gross National Expenditure	[million US$]	940.2
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	176.9
TR Total Reserves	[million US$]	135.1
Public spending on education	[% GDP]	5.1
Health Expenditure	[% GDP]	5.2

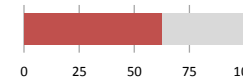
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2.8	1.05	38.3	119.3	231.8	374.9
(Fiscal)	0.4	1.05	4.6	15.0	30.4	51.0
Cyclonic Wind	6.6	2.49	121.9	395.7	516.4	606.5
(Fiscal)	0.9	2.53	16.2	51.3	68.2	79.4
Storm Surge	15.1	5.71	462.3	591.1	615.9	665.7
(Fiscal)	1.8	5.36	56.1	71.7	75.4	82.8
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	24.5	9.25				
Fiscal	3.1	8.94				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **62.44**

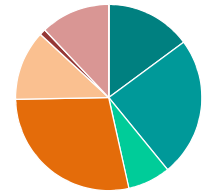
Ranking

SIDS Country **17** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	20.2	0.0	0.48
	Middle low	386.4	1.4	3.58
	Middle high	614.7	2.3	3.70
	High	214.1	0.7	3.25
Services	Commercial	710.2	2.6	3.72
	Industrial	323.6	1.1	3.53
Education	Private	50.5	0.1	1.97
	Public	319.6	1.1	3.54
Health	Private	2.3	0.0	0.00
	Public	3.7	0.0	0.00
Government	Assets			
National		2 645.4	9.4	3.54
Fiscal		343.5	1.1	3.32

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

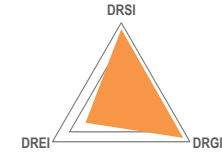
AAL/SE **DRSI** **73.6**

Disaster Risk Growth & Financial Implications

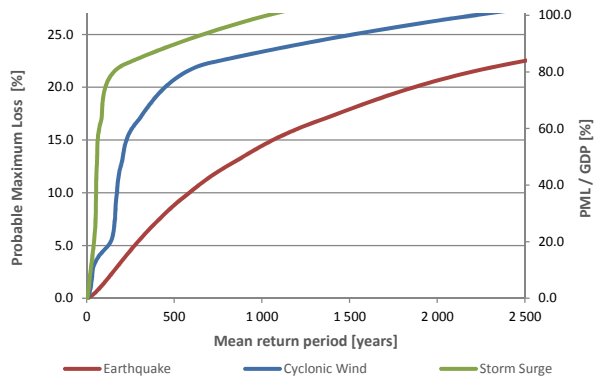
AAL/TR 0.18
AAL/GFCF 0.14
DRGI **72.2**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS
DREI **41.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE	0.00	0.01	0.02	
(Fiscal)	0.00	0.00	0.00	
AAL/TR	0.02	0.05	0.11	
(Fiscal)	0.00	0.01	0.01	
AAL/GFCF	0.02	0.04	0.09	
(Fiscal)	0.00	0.00	0.01	
AAL/SE				
(Fiscal)				
PML250/GNE	0.04	0.13	0.49	
(Fiscal)	0.00	0.02	0.06	
PML250/GDP	0.05	0.17	0.65	
(Fiscal)	0.01	0.02	0.08	

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CAPRA Team

State of Palestine

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	4 547 431
- Urban	[%]	74.3
- Rural	[%]	25.7
Land area	[km²]	6 000.0
Pop.Density	[km²/Hab]	757.9
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	69 457
- Fiscal	[million US$]	19 292

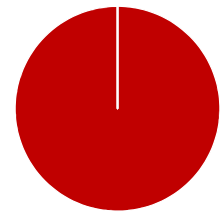
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

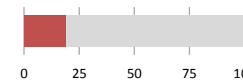
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	26.8	0.39	265.7	817.5	1 677.3	3 062.0
(Fiscal)	7.4	0.38	72.6	224.0	461.2	843.7
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	---	---				
(Fiscal)	---	---				
National	26.8	0.39				
Fiscal	7.4	0.38				

AAL Distribution by Hazard



Disaster Risk Development Implications



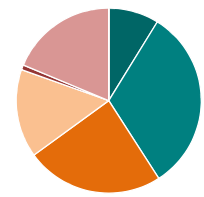
DRDI **19.09**

Ranking		
World	153	168
Region		12
Economy		23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	6 285.8	2.4	0.37
	Middle low	21 866.3	8.6	0.39
	Middle high			
	High			
Services	Commercial	16 587.4	6.4	0.39
	Industrial	10 774.0	4.1	0.38
Education	Private	906.4	0.2	0.25
	Public	12 975.2	5.0	0.39
Health	Private	31.0	0.0	0.02
	Public	31.0	0.0	0.02
Government	Assets			
National		69 457.1	26.7	0.39
Fiscal		19 292.0	7.4	0.38

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

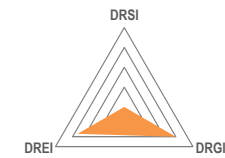
AAL/SE — **DRSI** 0.0

Disaster Risk Growth & Financial Implications

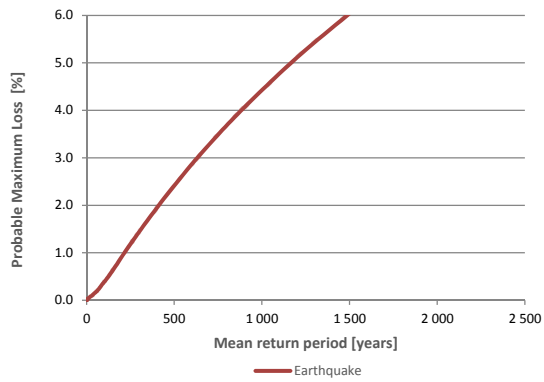
AAL/TR
AAL/GFCF — **DRGI** 30.2

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS — **DREI** 27.1



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE					
(Fiscal)					
AAL/TR					
(Fiscal)					
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Sudan

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	37 964 304
- Urban	[%]	33.5
- Rural	[%]	66.5
Land area	[km²]	2 376 000.0
Pop.Density	[km²/Hab]	16.0
GINI	[value]	35.20
HDI	[value]	0.47
Exposed Value	[million US$]	70 662
- Fiscal	[million US$]	32 067

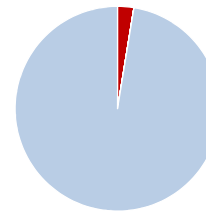
Economic Indicators

GDP Gross Domestic Product	[million US$]	66 565.9
GDP per capita	[US$]	1 753.4
GNE Gross National Expenditure	[million US$]	70 927.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	7 227.3
GFCF Gross Fixed Capital Formation	[million US$]	13 307.2
TR Total Reserves	[million US$]	193.0
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	7.3

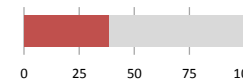
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	1.9	0.03	16.0	45.6	103.2	229.3
(Fiscal)	0.9	0.03	7.5	21.2	47.8	106.1
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	71.7	1.02				
(Fiscal)	38.5	1.20				
National	73.6	1.05				
Fiscal	39.4	1.23				

AAL Distribution by Hazard



Disaster Risk Development Implications



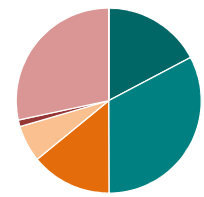
DRDI **38.74**

Ranking		
World	135	168
Region	40	57
Economy	44	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	12 381.3	0.2	0.02
	Middle low	22 440.6	0.5	0.02
	Middle high			
	High			
Services	Commercial	10 150.0	0.2	0.02
	Industrial	4 883.2	0.1	0.02
Education	Private	1 083.6	0.0	0.01
	Public	19 666.7	0.4	0.02
Health	Private	37.9	0.0	0.00
	Public	18.6	0.0	0.00
Government	Assets			
	National	70 662.0	1.4	0.02
	Fiscal	32 066.6	0.6	0.02

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

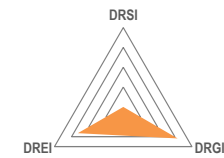
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

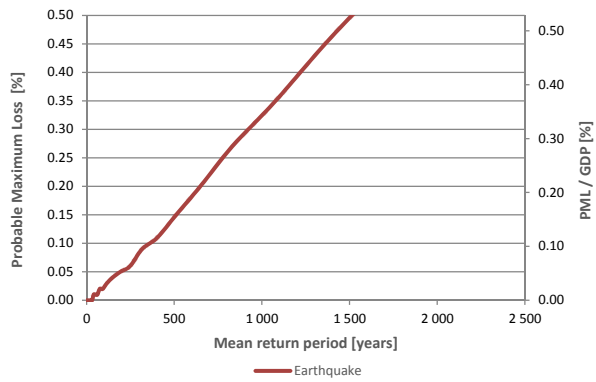
AAL/TR 0.38
AAL/GFCF 0.01
DRGI **63.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **52.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.37
(Fiscal)	0.00				0.20
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Suriname

Latin America and the Caribbean

GAR Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

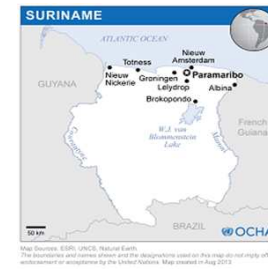
UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	539 276
- Urban	[%]	66.1
- Rural	[%]	33.9
Land area	[km^2]	156 000.0
Pop.Density	[km^2/Hab]	3.5
GINI	[value]	52.80
HDI	[value]	0.70
Exposed Value	[million US$]	9 622
- Fiscal	[million US$]	1 290

Economic Indicators

GDP Gross Domestic Product	[million US$]	5 298.8
GDP per capita	[US$]	9 825.7
GNE Gross National Expenditure	[million US$]	2 057.8
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	163.2
GFCF Gross Fixed Capital Formation	[million US$]	445.8
TR Total Reserves	[million US$]	775.4
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	5.9

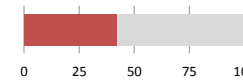


National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	53.8	5.59				
(Fiscal)	7.9	6.15				
National	53.8	5.59				
Fiscal	7.9	6.15				

AAL Distribution by Hazard

Disaster Risk Development Implications



DRDI **42.21**

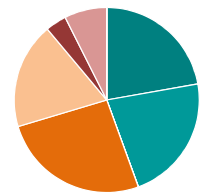
Ranking

SIDS country	32	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	171.4	0.0	0.00
	Middle low	1 824.6	0.0	0.00
	Middle high	1 684.2	0.0	0.00
	High	223.2	0.0	0.00
Services	Commercial	2 509.8	0.0	0.00
	Industrial	1 505.2	0.0	0.00
Education	Private	574.3	0.0	0.00
	Public	1 109.2	0.0	0.00
Health	Private	10.1	0.0	0.00
	Public	9.8	0.0	0.00
Government	Assets			
	National	9 621.8	0.0	0.00
	Fiscal	1 290.4	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

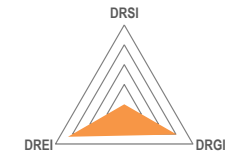
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

AAL/TR 0.07
AAL/GFCF 0.12
DRGI **61.1**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.33
DREI **65.5**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.33
(Fiscal)					0.05
AAL/GNE					0.03
(Fiscal)					0.00
AAL/TR					0.07
(Fiscal)					0.01
AAL/GFCF					0.12
(Fiscal)					0.02
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Swaziland

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 249 514
- Urban	[%]	21.3
- Rural	[%]	78.7
Land area	[km²]	17 200.0
Pop.Density	[km²/Hab]	72.6
GINI	[value]	51.40
HDI	[value]	0.53
Exposed Value	[million US$]	13 702
- Fiscal	[million US$]	5 226

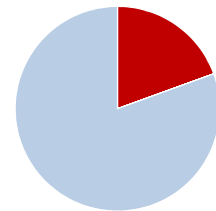
Economic Indicators

GDP Gross Domestic Product	[million US$]	3 791.3
GDP per capita	[US$]	3 034.2
GNE Gross National Expenditure	[million US$]	3 944.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	721.0
GFCF Gross Fixed Capital Formation	[million US$]	364.0
TR Total Reserves	[million US$]	762.5
Public spending on education	[% GDP]	8.3
Health Expenditure	[% GDP]	8.5

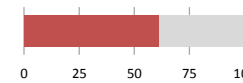
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	7.0	0.51	62.1	152.5	290.9	530.8
(Fiscal)	2.7	0.51	23.7	58.4	111.9	205.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	28.9	2.11				
(Fiscal)	11.2	2.14				
National	35.9	2.62				
Fiscal	13.9	2.65				

AAL Distribution by Hazard



Disaster Risk Development Implications



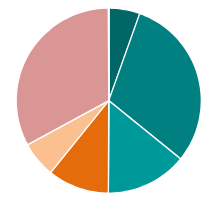
DRDI **61.01**

Ranking		
World	21	168
Region	3	57
Economy	10	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	869.8	0.4	0.44
	Middle low	4 024.9	2.1	0.53
	Middle high	1 957.2	1.0	0.51
	High			
Services	Commercial	1 518.2	0.8	0.49
	Industrial	963.5	0.4	0.45
Education	Private			
	Public	4 336.1	2.3	0.53
Health	Private	12.1	0.0	0.08
	Public	20.0	0.0	0.12
Government	Assets			
National		13 701.9	7.0	0.51
Fiscal		5 226.0	2.7	0.51

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

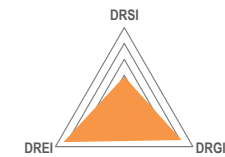
AAL/SE **DRSI** **57.8**

Disaster Risk Growth & Financial Implications

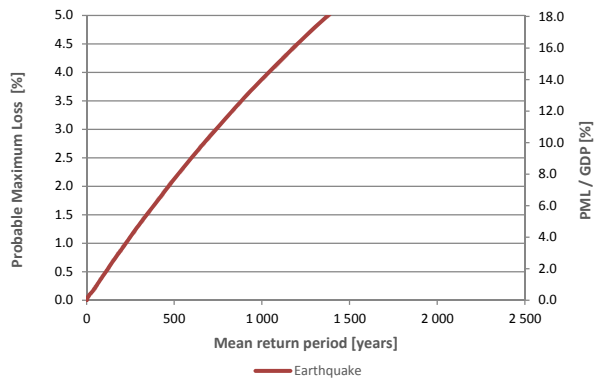
AAL/TR 0.05
AAL/GFCF 0.10
DRGI **62.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.05
DREI **62.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.04
(Fiscal)	0.00				0.02
AAL/GNE	0.00				0.01
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.04
(Fiscal)	0.00				0.01
AAL/GFCF	0.02				0.08
(Fiscal)	0.01				0.03
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.01				
PML250/GDP	0.02				
(Fiscal)	0.01				

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CAPRA Team

Sweden

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	9 592 552
- Urban	[%]	85.5
- Rural	[%]	14.5
Land area	[km²]	407 340.0
Pop.Density	[km²/Hab]	23.5
GINI	[value]	26.00
HDI	[value]	0.90
Exposed Value	[million US$]	1 750 468
- Fiscal	[million US$]	129 651

Economic Indicators

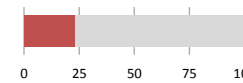
GDP Gross Domestic Product	[million US$]	579 680.0
GDP per capita	[US$]	60 430.2
GNE Gross National Expenditure	[million US$]	551 152.5
SE Social Expenditure	[million US$]	0.2
GS Gross Savings	[million US$]	157 378.4
GFCF Gross Fixed Capital Formation	[million US$]	128 378.8
TR Total Reserves	[million US$]	65 363.4
Public spending on education	[% GDP]	7.0
Health Expenditure	[% GDP]	9.6

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	110.4	0.06				
(Fiscal)	7.5	0.06				
National	110.4	0.06				
Fiscal	7.5	0.06				

AAL Distribution by Hazard

Disaster Risk Development Implications



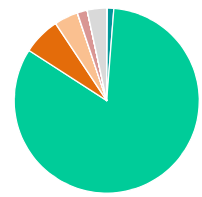
DRDI **22.99**

Ranking		
World	151	168
Region	37	51
Economy	39	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	439.8	0.0	0.00
	Middle low	7 919.6	0.0	0.00
	Middle high	33 295.2	0.1	0.00
	High	1 342 538.0	4.3	0.00
Services	Commercial	138 597.8	0.3	0.00
	Industrial	92 964.0	0.2	0.00
Education	Private	5 320.8	0.0	0.00
	Public	47 530.8	0.1	0.00
Health	Private	181.7	0.0	0.00
	Public	834.7	0.0	0.00
Government	Assets	80 845.4	0.2	0.00
	National	1 750 467.8	5.2	0.00
	Fiscal	129 650.7	0.3	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

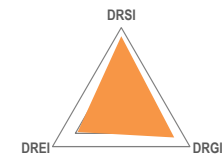
AAL/SE 537.49 **DRSI** **26.8**

Disaster Risk Growth & Financial Implications

AAL/TR 0.00
AAL/GFCF 0.00 **DRGI** **23.1**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00 **DREI** **19.1**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.00
(Fiscal)					0.00
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.00
(Fiscal)					0.00
AAL/GFCF					0.00
(Fiscal)					0.00
AAL/SE					537.49
(Fiscal)					36.57
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

Switzerland

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	8 081 482
- Urban	[%]	73.8
- Rural	[%]	26.2
Land area	[km²]	39 516.0
Pop.Density	[km²/Hab]	204.5
GINI	[value]	32.30
HDI	[value]	0.92
Exposed Value	[million US$]	3 423 962
- Fiscal	[million US$]	161 066

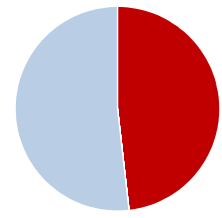
Economic Indicators

GDP Gross Domestic Product	[million US$]	685 434.2
GDP per capita	[US$]	84 815.4
GNE Gross National Expenditure	[million US$]	602 400.3
SE Social Expenditure	[million US$]	0.2
GS Gross Savings	[million US$]	231 167.9
GFCF Gross Fixed Capital Formation	[million US$]	160 510.4
TR Total Reserves	[million US$]	536 235.3
Public spending on education	[% GDP]	5.3
Health Expenditure	[% GDP]	11.3

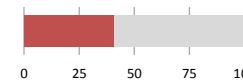
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	786.8	0.23	9 049.4	25 248.2	48 828.1	83 749.6
(Fiscal)	35.1	0.22	400.8	1 124.9	2 185.4	3 765.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	845.3	0.25				
(Fiscal)	38.3	0.24				
National	1 632.0	0.48				
Fiscal	73.4	0.46				

AAL Distribution by Hazard



Disaster Risk Development Implications



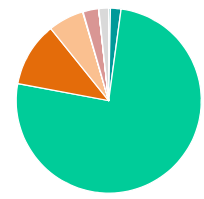
DRDI **40.68**

Ranking		
World	131	168
Region	29	51
Economy	26	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	851.0	0.0	0.03
	Middle low	15 319.5	2.4	0.15
	Middle high	66 630.2	14.5	0.22
	High	2 572 885.0	596.2	0.23
Services	Commercial	386 992.4	88.7	0.23
	Industrial	213 373.7	49.0	0.23
Education	Private	6 240.1	0.7	0.11
	Public	95 684.1	21.4	0.22
Health	Private	1 455.2	0.1	0.05
	Public	2 112.4	0.1	0.07
Government	Assets	62 418.5	13.5	0.22
	National	3 423 962.1	786.7	0.23
	Fiscal	161 066.1	35.1	0.22

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

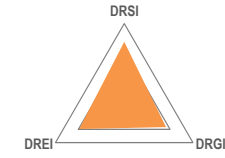
AAL/SE 10603.89 **DRSI** **46.2**

Disaster Risk Growth & Financial Implications

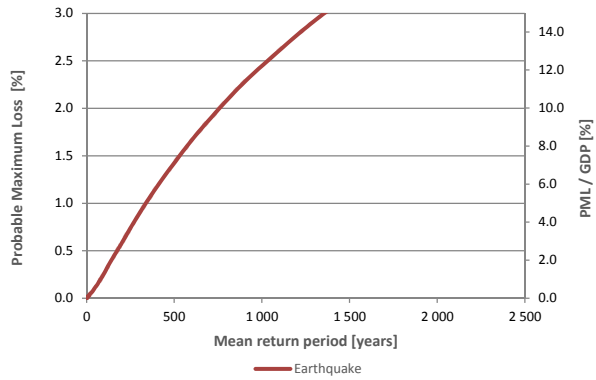
AAL/TR 0.00
AAL/GFCF 0.01 **DRGI** **36.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **39.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE	5111.96				5491.93
(Fiscal)	228.25				248.91
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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CAPRA Team

Syria

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	22 845 550
- Urban	[%]	56.9
- Rural	[%]	43.1
Land area	[km²]	183 630.0
Pop.Density	[km²/Hab]	124.4
GINI	[value]	35.70
HDI	[value]	0.66
Exposed Value	[million US$]	204 763
- Fiscal	[million US$]	55 929

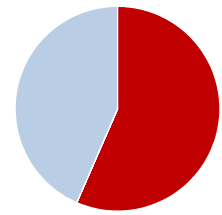
Economic Indicators

GDP Gross Domestic Product	[million US$]	40 405.0
GDP per capita	[US$]	2 065.5
GNE Gross National Expenditure	[million US$]	40 077.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	11 691.4
GFCF Gross Fixed Capital Formation	[million US$]	8 252.6
TR Total Reserves	[million US$]	20 631.9
Public spending on education	[% GDP]	5.1
Health Expenditure	[% GDP]	3.4

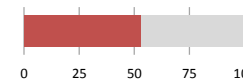
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	149.1	0.73	2 122.1	4 405.4	6 867.6	9 895.4
(Fiscal)	40.0	0.72	571.7	1 196.3	1 869.1	2 697.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	114.7	0.56				
(Fiscal)	30.5	0.54				
National	263.8	1.29				
Fiscal	70.5	1.26				

AAL Distribution by Hazard



Disaster Risk Development Implications



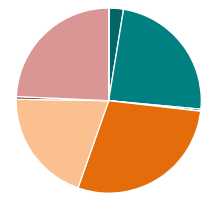
DRDI **53.28**

Ranking		
World	53	168
Region	19	12
Economy	17	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	7 020.9	3.8	0.54
	Middle low	47 814.5	35.7	0.75
	Middle high	1 496.2	0.5	0.34
	High			
Services	Commercial	56 977.6	42.6	0.75
	Industrial	40 431.4	29.6	0.73
Education	Private	2 018.4	0.7	0.36
	Public	48 835.6	36.2	0.74
Health	Private	96.5	0.0	0.12
	Public	72.1	0.0	0.10
Government	Assets			
National		204 763.3	149.1	0.73
Fiscal		55 928.6	40.0	0.72

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

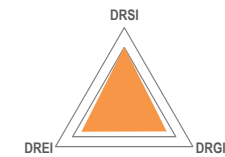
AAL/SE **DRSI** **60.5**

Disaster Risk Growth & Financial Implications

AAL/TR 0.01
AAL/GFCF 0.03
DRGI **49.4**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02
DREI **49.9**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.02				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.05				
(Fiscal)	0.01				
PML250/GDP	0.05				
(Fiscal)	0.01				

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CAPRA Team

Taiwan

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	23 359 928
- Urban	[%]	59.7
- Rural	[%]	40.3
Land area	[km²]	32 260.0
Pop.Density	[km²/Hab]	724.1
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	1 681 159
- Fiscal	[million US$]	73 834

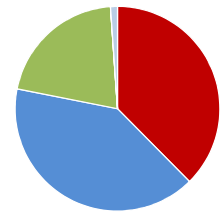
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

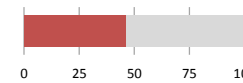
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2 702.0	1.61	24 722.8	43 119.6	60 002.3	79 131.5
(Fiscal)	98.8	1.34	939.8	1 683.9	2 373.1	3 165.6
Cyclonic Wind	2 913.5	1.73	17 312.2	19 641.7	23 235.9	24 095.7
(Fiscal)	104.3	1.41	603.5	737.6	795.1	909.9
Storm Surge	1 494.1	0.89	3 603.0	3 698.8	3 858.3	4 177.3
(Fiscal)	60.2	0.82	148.5	153.0	159.8	173.3
Tsunami	---	---	---	---	---	---
(Fiscal)	1.2	0.02	0.8	21.4	120.0	338.5
Flood	79.4	0.05				
(Fiscal)	3.2	0.04				
National	7 189.0	4.28				
Fiscal	267.8	3.63				

AAL Distribution by Hazard



Disaster Risk Development Implications



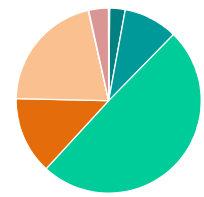
DRDI **46.19**

Ranking		
World	102	168
Region	34	48
Economy	23	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	5 239.8	9.9	1.88
	Middle low	47 158.1	150.8	3.20
	Middle high	156 508.5	532.4	3.40
	High	772 290.1	2 778.3	3.60
Services	Commercial	247 805.7	759.3	3.06
	Industrial	378 234.8	1 183.9	3.13
Education	Private	4 100.6	6.3	1.53
	Public	67 889.0	192.7	2.84
Health	Private	1 226.7	1.3	1.04
	Public	705.1	0.6	0.85
Government	Assets			
	National	1 681 158.5	5 615.5	3.34
	Fiscal	73 833.9	203.2	2.75

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

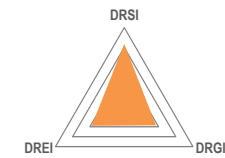
AAL/SE **DRSI** **63.5**

Disaster Risk Growth & Financial Implications

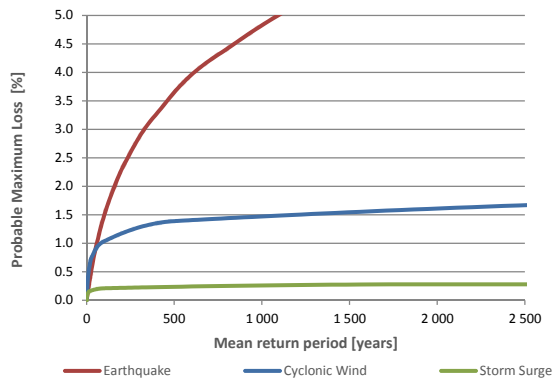
AAL/TR
AAL/GFCF **DRGI** **37.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **38.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE					
(Fiscal)					
AAL/TR					
(Fiscal)					
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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CAPRA Team

Tajikistan

Asia

GAR Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	8 207 834
- Urban	[%]	26.6
- Rural	[%]	73.4
Land area	[km²]	139 960.0
Pop.Density	[km²/Hab]	58.6
GINI	[value]	30.70
HDI	[value]	0.61
Exposed Value	[million US$]	20 557
- Fiscal	[million US$]	8 892

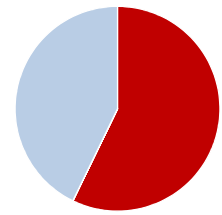
Economic Indicators

GDP Gross Domestic Product	[million US$]	8 508.1
GDP per capita	[US$]	1 036.6
GNE Gross National Expenditure	[million US$]	12 690.2
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 265.6
GFCF Gross Fixed Capital Formation	[million US$]	1 199.6
TR Total Reserves	[million US$]	661.3
Public spending on education	[% GDP]	4.0
Health Expenditure	[% GDP]	5.8

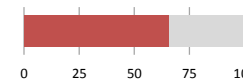
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	64.4	3.14	542.9	938.8	1 313.6	1 750.4
(Fiscal)	27.9	3.13	235.1	406.5	568.9	758.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	48.2	2.35				
(Fiscal)	20.9	2.35				
National	112.7	5.49				
Fiscal	48.8	5.48				

AAL Distribution by Hazard



Disaster Risk Development Implications



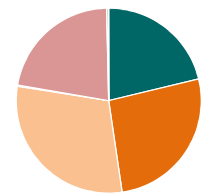
DRDI **65.7**

Ranking		
World	11	168
Region	6	48
Economy	6	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	4 360.1	13.4	3.08
	Middle low			
	Middle high			
	High			
Services	Commercial	5 423.4	16.7	3.09
	Industrial	6 091.2	18.8	3.09
Education	Private	62.9	0.1	1.98
	Public	4 507.2	13.9	3.08
Health	Private	87.8	0.2	2.19
	Public	24.9	0.0	1.29
Government	Assets			
	National	20 557.5	63.3	3.08
	Fiscal	8 892.2	27.4	3.08

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

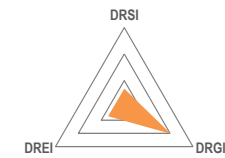
AAL/SE **DRSI** **63.5**

Disaster Risk Growth & Financial Implications

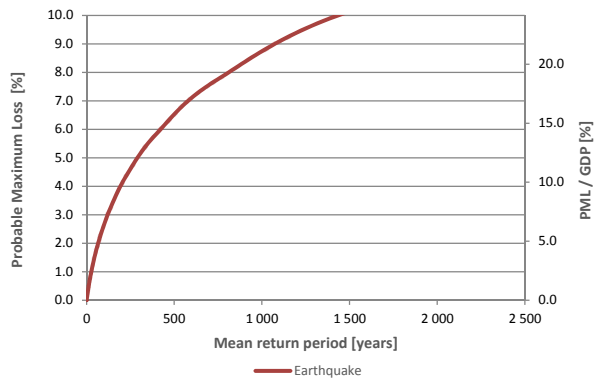
AAL/TR 0.17
AAL/GFCF 0.09 **DRGI** **70.2**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.09 **DREI** **63.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.05				0.04
(Fiscal)	0.02				0.02
AAL/GNE	0.01				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.10				0.07
(Fiscal)	0.04				0.03
AAL/GFCF	0.05				0.04
(Fiscal)	0.02				0.02
AAL/SE					
(Fiscal)					
PML250/GNE	0.04				
(Fiscal)	0.02				
PML250/GDP	0.06				
(Fiscal)	0.03				

CIMNE International Centre for Numerical Methods in Engineering

INGENIAR Ltd

CAPRA Team

Tanzania

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

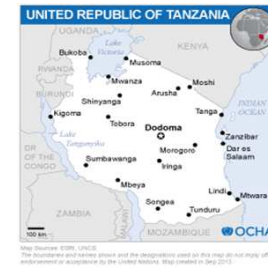
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	49 253 128
- Urban	[%]	30.2
- Rural	[%]	69.8
Land area	[km²]	885 800.0
Pop.Density	[km²/Hab]	55.6
GINI	[value]	37.80
HDI	[value]	0.49
Exposed Value	[million US$]	50 333
- Fiscal	[million US$]	29 868

Economic Indicators

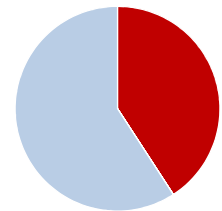
GDP Gross Domestic Product	[million US$]	33 225.0
GDP per capita	[US$]	694.8
GNE Gross National Expenditure	[million US$]	39 205.3
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	5 263.8
GFCF Gross Fixed Capital Formation	[million US$]	10 658.5
TR Total Reserves	[million US$]	4 673.7
Public spending on education	[% GDP]	6.2
Health Expenditure	[% GDP]	7.0



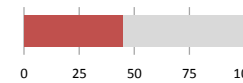
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	26.1	0.52	363.0	696.1	1 048.3	1 530.8
(Fiscal)	15.9	0.53	222.1	424.6	637.4	929.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	37.8	0.75				
(Fiscal)	25.6	0.86				
National	63.9	1.27				
Fiscal	41.5	1.39				

AAL Distribution by Hazard



Disaster Risk Development Implications



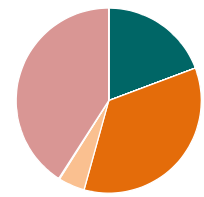
DRDI **45.05**

Ranking		
World	109	168
Region	31	57
Economy	37	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	10 212.8	4.5	0.44
	Middle low			
	Middle high			
	High			
Services	Commercial	17 051.8	8.1	0.48
	Industrial	3 204.2	1.1	0.33
Education	Private	196.2	0.0	0.20
	Public	19 621.8	9.5	0.48
Health	Private	12.3	0.0	0.05
	Public	33.4	0.0	0.12
Government	Assets			
National		50 332.5	23.2	0.46
Fiscal		29 868.0	14.0	0.47

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

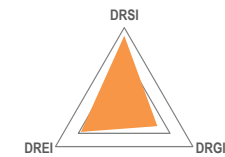
AAL/SE **DRSI** **48.5**

Disaster Risk Growth & Financial Implications

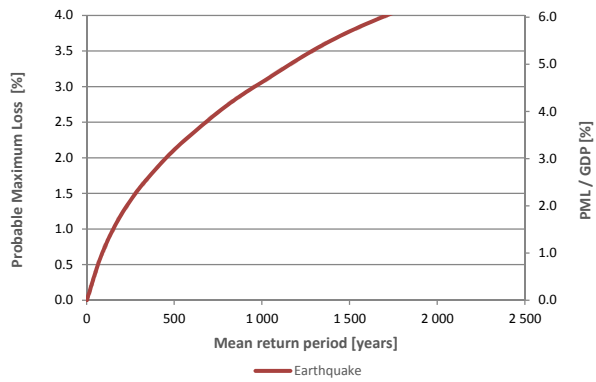
AAL/TR 0.01
AAL/GFCF 0.01
DRGI **42.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **44.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.01				
PML250/GDP	0.01				
(Fiscal)	0.01				

Thailand

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	67 010 504
- Urban	[%]	47.9
- Rural	[%]	52.1
Land area	[km²]	510 890.0
Pop.Density	[km²/Hab]	131.2
GINI	[value]	39.30
HDI	[value]	0.72
Exposed Value	[million US$]	1 380 580
- Fiscal	[million US$]	152 041

Economic Indicators

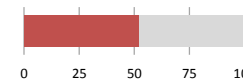
GDP Gross Domestic Product	[million US$]	387 252.2
GDP per capita	[US$]	5 779.0
GNE Gross National Expenditure	[million US$]	374 528.2
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	110 630.1
GFCF Gross Fixed Capital Formation	[million US$]	103 523.6
TR Total Reserves	[million US$]	167 230.2
Public spending on education	[% GDP]	7.6
Health Expenditure	[% GDP]	3.9

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	32.6	0.02	545.8	1 424.0	2 632.7	4 515.8
(Fiscal)	3.7	0.02	63.2	164.8	302.0	513.5
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	2.0	0.01	29.4	38.8	43.0	51.3
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	2 586.2	1.88				
(Fiscal)	299.9	1.97				
National	2 618.8	1.90				
Fiscal	305.6	2.01				

AAL Distribution by Hazard

Disaster Risk Development Implications



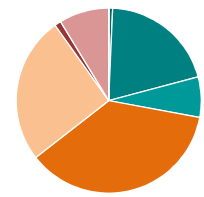
DRDI **52.41**

Ranking		
World	59	168
Region	22	48
Economy	19	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	18 658.1	0.2	0.01
	Middle low	256 804.1	6.4	0.02
	Middle high	103 016.3	2.2	0.02
	High			
Services	Commercial	489 117.1	11.6	0.02
	Industrial	351 052.8	8.1	0.02
Education	Private	28 116.8	0.4	0.01
	Public	132 252.4	2.8	0.02
Health	Private	431.2	0.0	0.00
	Public	1 131.0	0.0	0.00
Government	Assets			
	National	1 380 579.7	31.7	0.02
	Fiscal	152 041.5	3.0	0.02

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

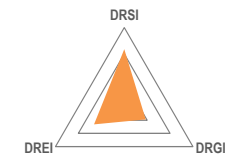
AAL/SE 45661.12 **DRSI** **55.9**

Disaster Risk Growth & Financial Implications

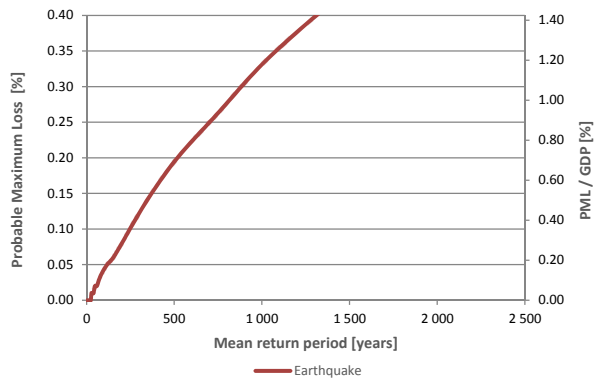
AAL/TR 0.02
AAL/GFCF 0.03 **DRGI** **49.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 **DREI** **51.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.02
(Fiscal)	0.00	0.00			0.00
AAL/GNE	0.00				0.01
(Fiscal)	0.00	0.00			0.00
AAL/TR	0.00				0.02
(Fiscal)	0.00	0.00			0.00
AAL/GFCF	0.00				0.02
(Fiscal)	0.00	0.00			0.00
AAL/SE	567.72				45093.40
(Fiscal)	64.86	35.05			5228.78
PML250/GNE	0.00				
(Fiscal)	0.00	0.00			
PML250/GDP	0.00				
(Fiscal)	0.00	0.00			

The Bahamas

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	377 374
- Urban	[%]	82.7
- Rural	[%]	17.3
Land area	[km²]	10 010.0
Pop.Density	[km²/Hab]	37.7
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	45 748
- Fiscal	[million US$]	2 131

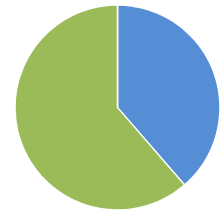
Economic Indicators

GDP Gross Domestic Product	[million US$]	8 420.0
GDP per capita	[US$]	22 312.1
GNE Gross National Expenditure	[million US$]	9 584.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	872.5
GFCF Gross Fixed Capital Formation	[million US$]	2 212.2
TR Total Reserves	[million US$]	807.4
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	7.5

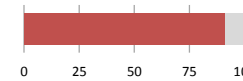
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	846.3	18.50	16 817.8	19 858.2	22 329.4	24 735.5
(Fiscal)	37.7	17.67	764.0	924.7	1 100.9	1 107.2
Storm Surge	1 343.7	29.37	12 516.3	12 563.9	12 643.2	12 801.8
(Fiscal)	60.1	28.22	560.1	562.9	567.7	577.2
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	2 190.0	47.88				
Fiscal	97.8	45.89				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **91.37**

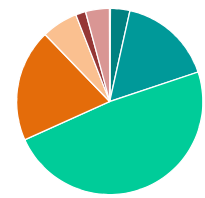
Ranking

SIDS Country	1	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	92.7	1.1	11.94
	Middle low	1 645.9	28.4	17.24
	Middle high	7 541.2	138.8	18.40
	High	21 599.1	409.5	18.96
Services	Commercial	8 917.7	165.1	18.52
	Industrial	3 010.9	53.4	17.72
Education	Private	883.7	14.7	16.61
	Public	2 021.8	35.2	17.39
Health	Private	18.2	0.1	7.79
	Public	16.5	0.1	7.80
Government	Assets			
National		45 747.6	846.3	18.50
Fiscal		2 130.9	36.4	17.08

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

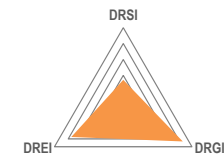
AAL/SE **DRSI** **83.6**

Disaster Risk Growth & Financial Implications

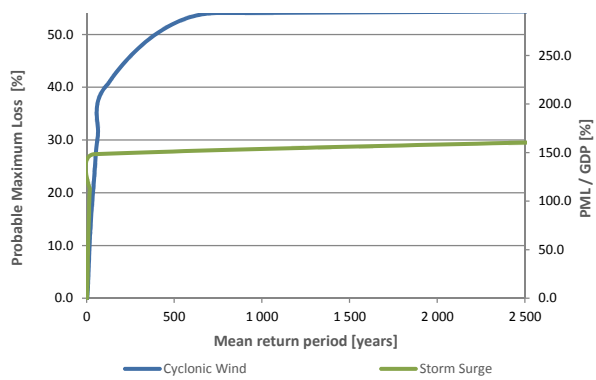
AAL/TR 2.71
AAL/GFCF 0.99
DRGI **96.7**

Disaster Risk Economic Implications

AAL/PC 0.05
AAL/GS 2.51
DREI **93.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS		0.97	1.54	
(Fiscal)		0.04	0.07	
AAL/GNE		0.09	0.14	
(Fiscal)		0.00	0.01	
AAL/TR		1.05	1.66	
(Fiscal)		0.05	0.07	
AAL/GFCF		0.38	0.61	
(Fiscal)		0.02	0.03	
AAL/SE				
(Fiscal)				
PML250/GNE		1.75	1.31	
(Fiscal)		0.08	0.06	
PML250/GDP		2.00	1.49	
(Fiscal)		0.09	0.07	

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CAPRA Team

The Gambia

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 849 285
- Urban	[%]	58.4
- Rural	[%]	41.6
Land area	[km²]	10 120.0
Pop.Density	[km²/Hab]	182.7
GINI	[value]	47.20
HDI	[value]	
Exposed Value	[million US$]	2 098
- Fiscal	[million US$]	1 032

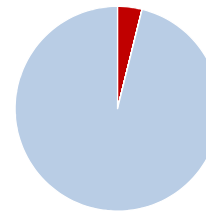
Economic Indicators

GDP Gross Domestic Product	[million US$]	903.5
GDP per capita	[US$]	488.6
GNE Gross National Expenditure	[million US$]	1 029.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	235.1
GFCF Gross Fixed Capital Formation	[million US$]	187.5
TR Total Reserves	[million US$]	210.6
Public spending on education	[% GDP]	4.1
Health Expenditure	[% GDP]	5.0

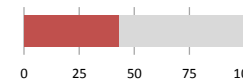
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.02	0.9	1.9	3.4	6.4
(Fiscal)	0.0	0.02	0.5	1.0	1.7	3.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	1.2	0.59				
(Fiscal)	0.7	0.71				
National	1.3	0.61				
Fiscal	0.8	0.73				

AAL Distribution by Hazard



Disaster Risk Development Implications



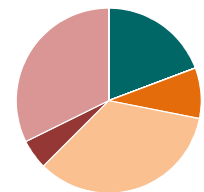
DRDI **43.04**

Ranking		
World	123	168
Region	36	57
Economy	41	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	396.1	0.0	0.01
	Middle low			
	Middle high			
	High			
Services	Commercial	234.4	0.0	0.01
	Industrial	662.6	0.0	0.01
Education	Private	167.4	0.0	0.01
	Public	635.3	0.0	0.01
Health	Private	1.0	0.0	0.00
	Public	0.9	0.0	0.00
Government	Assets			
National		2 097.7	0.0	0.01
Fiscal		1 032.3	0.0	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

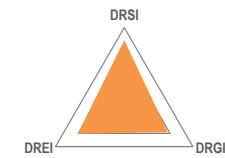
AAL/SE **DRSI** **50.4**

Disaster Risk Growth & Financial Implications

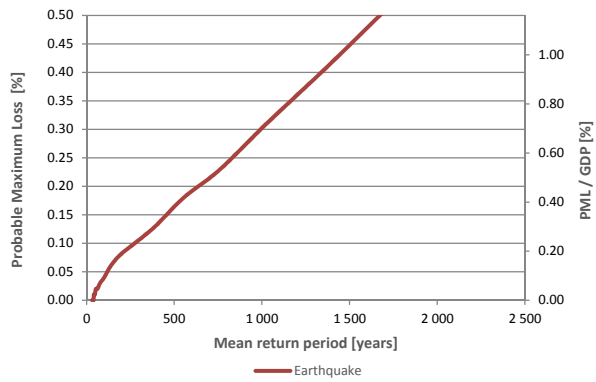
AAL/TR 0.01
AAL/GFCF 0.01
DRGI **38.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **40.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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Asia

GAR Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 178 252
- Urban	[%]	31.5
- Rural	[%]	68.5
Land area	[km²]	14 870.0
Pop.Density	[km²/Hab]	79.2
GINI	[value]	
HDI	[value]	0.62
Exposed Value	[million US$]	12 524
- Fiscal	[million US$]	4 271

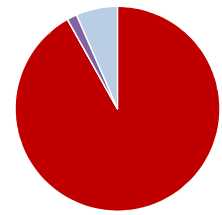
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

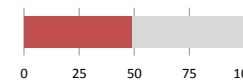
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	14.6	1.16	199.5	428.7	696.2	1 024.0
(Fiscal)	4.6	1.07	61.7	134.6	218.3	327.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	0.3	0.02	0.0	0.0	0.4	7.0
(Fiscal)	0.1	0.03	0.0	0.1	0.8	13.3
Flood	1.0	0.08				
(Fiscal)	0.3	0.08				
National	15.9	1.27				
Fiscal	5.1	1.18				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **49.2**

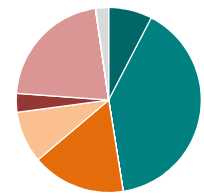
Ranking

SIDS country **27** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	832.4	1.1	1.34
	Middle low	4 087.0	5.8	1.42
	Middle high			
	High			
Services	Commercial	2 281.8	2.4	1.04
	Industrial	1 317.9	1.3	1.00
Education	Private	549.2	0.5	0.87
	Public	2 968.4	3.1	1.06
Health	Private	17.4	0.0	0.11
	Public	55.4	0.0	0.18
Government	Assets	414.9	0.3	0.79
	National	12 524.4	14.6	1.16
	Fiscal	4 271.0	4.6	1.07

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE — DRSI **58.9**

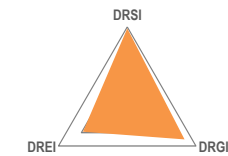
Disaster Risk Growth & Financial Implications

AAL/TR, AAL/GFCF — DRGI **50.1**

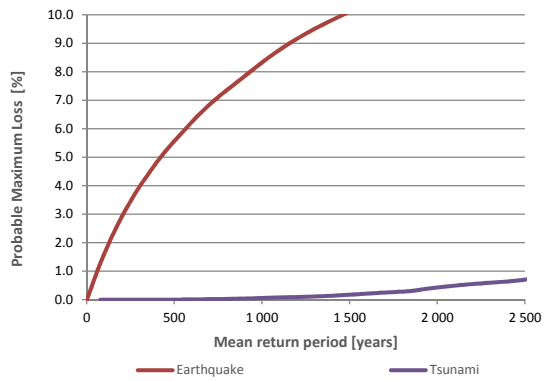
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS — DREI **38.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE					
(Fiscal)					
AAL/TR					
(Fiscal)					
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	6 816 982
- Urban	[%]	39.0
- Rural	[%]	61.0
Land area	[km²]	54 390.0
Pop.Density	[km²/Hab]	125.3
GINI	[value]	45.90
HDI	[value]	0.47
Exposed Value	[million US$]	12 515
- Fiscal	[million US$]	4 123

Economic Indicators

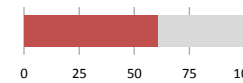
GDP Gross Domestic Product	[million US$]	4 338.6
GDP per capita	[US$]	636.4
GNE Gross National Expenditure	[million US$]	4 390.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1.1
GFCF Gross Fixed Capital Formation	[million US$]	685.8
TR Total Reserves	[million US$]	507.1
Public spending on education	[% GDP]	4.5
Health Expenditure	[% GDP]	8.6

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	10.9	0.87				
(Fiscal)	3.9	0.95				
National	10.9	0.87				
Fiscal	3.9	0.95				

AAL Distribution by Hazard

Disaster Risk Development Implications



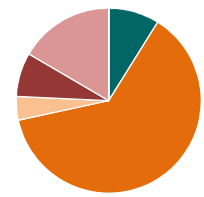
DRDI **60.6**

Ranking		
World	22	168
Region	4	57
Economy	11	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 661.9	0.0	0.00
	Middle low			
	Middle high			
	High			
Services	Commercial	5 843.8	0.0	0.00
	Industrial	963.6	0.0	0.00
Education	Private	1 581.0	0.0	0.00
	Public	2 459.3	0.0	0.00
Health	Private	3.8	0.0	0.00
	Public	1.3	0.0	0.00
Government	Assets			
	National	12 514.7	0.0	0.00
	Fiscal	4 122.5	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

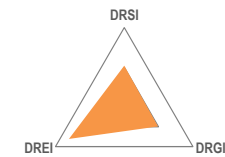
AAL/SE **DRSI** **52.0**

Disaster Risk Growth & Financial Implications

AAL/TR 0.02
AAL/GFCF 0.02
DRGI **49.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 10.28
DREI **80.5**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					10.28
(Fiscal)					3.69
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.02
(Fiscal)					0.01
AAL/GFCF					0.02
(Fiscal)					0.01
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

Tonga

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

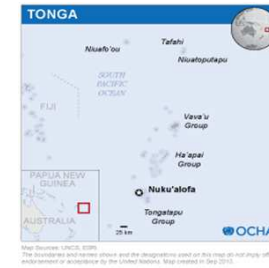
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	105 323
- Urban	[%]	23.6
- Rural	[%]	76.4
Land area	[km²]	720.0
Pop.Density	[km²/Hab]	146.3
GINI	[value]	
HDI	[value]	0.70
Exposed Value	[million US$]	1 303
- Fiscal	[million US$]	267

Economic Indicators

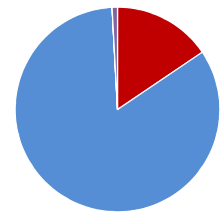
GDP Gross Domestic Product	[million US$]	466.3
GDP per capita	[US$]	4 426.9
GNE Gross National Expenditure	[million US$]	683.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	27.6
GFCF Gross Fixed Capital Formation	[million US$]	155.9
TR Total Reserves	[million US$]	155.5
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	5.4



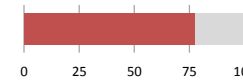
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	3.4	2.57	51.1	93.8	137.9	188.8
(Fiscal)	0.7	2.51	10.4	19.2	28.1	38.5
Cyclonic Wind	18.0	13.83	406.7	516.3	543.4	572.7
(Fiscal)	29.5	110.60	187.7	187.7	187.7	187.7
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	0.2	0.14	0.9	2.7	7.8	44.0
(Fiscal)	0.0	0.15	0.2	0.6	1.7	9.3
National	21.6	16.54				
Fiscal	30.2	113.26				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **77.71**

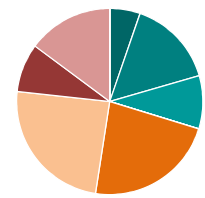
Ranking

SIDS Country	6	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	72.5	1.1	15.57
	Middle low	197.7	3.3	16.49
	Middle high	122.2	2.0	16.16
	High			
Services	Commercial	292.1	4.9	16.61
	Industrial	312.3	5.2	16.63
Education	Private	112.0	1.8	16.11
	Public	192.7	3.2	16.47
Health	Private	0.5	0.0	0.00
	Public	1.5	0.0	0.00
Government	Assets			
National		1 303.3	21.4	16.41
Fiscal		266.6	4.3	16.14

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **72.8**

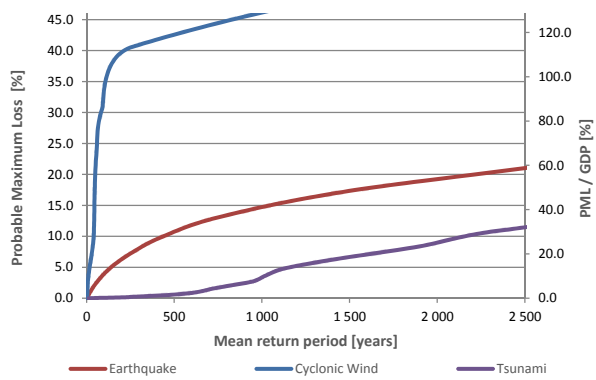
Disaster Risk Growth & Financial Implications

AAL/TR 0.14
AAL/GFCF 0.14
DRGI **74.8**

Disaster Risk Economic Implications

AAL/PC 0.02
AAL/GS 0.78
DREI **85.5**

Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.12	0.65		0.01
(Fiscal)	0.02	1.07		0.00
AAL/GNE	0.00	0.03		0.00
(Fiscal)	0.00	0.04		0.00
AAL/TR	0.02	0.12		0.00
(Fiscal)	0.00	0.19		0.00
AAL/GFCF	0.02	0.12		0.00
(Fiscal)	0.00	0.19		0.00
AAL/SE				
(Fiscal)				
PML250/GNE	0.07	0.60		0.00
(Fiscal)	0.02	0.27		0.00
PML250/GDP	0.11	0.87		0.00
(Fiscal)	0.02	0.40		0.00

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Trinidad and Tobago

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	1 341 151
- Urban	[%]	8.7
- Rural	[%]	91.3
Land area	[km²]	5 130.0
Pop.Density	[km²/Hab]	261.4
GINI	[value]	40.20
HDI	[value]	0.77
Exposed Value	[million US$]	68 649
- Fiscal	[million US$]	5 058

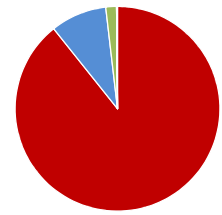
Economic Indicators

GDP Gross Domestic Product	[million US$]	24 640.8
GDP per capita	[US$]	18 372.9
GNE Gross National Expenditure	[million US$]	18 936.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	12 003.9
GFCF Gross Fixed Capital Formation	[million US$]	2 745.8
TR Total Reserves	[million US$]	10 674.9
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	5.4

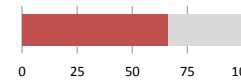
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	596.1	8.68	9 891.6	15 033.4	18 750.5	22 733.9
(Fiscal)	42.3	8.37	711.1	1 094.6	1 359.4	1 626.0
Cyclonic Wind	59.3	0.86	1 455.5	4 706.9	7 516.8	9 516.0
(Fiscal)	0.9	0.17	15.9	72.3	90.9	103.9
Storm Surge	11.4	0.17	305.6	446.8	563.3	595.7
(Fiscal)	0.8	0.16	21.4	31.2	38.6	41.6
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	0.9	0.01				
(Fiscal)	0.1	0.01				
National	667.7	9.73				
Fiscal	44.1	8.71				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **66.27**

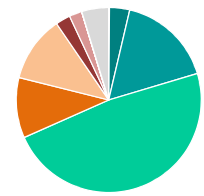
Ranking

SIDS country	**15**	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	140.3	0.8	5.86
	Middle low	2 490.5	23.2	9.31
	Middle high	11 412.3	109.6	9.60
	High	32 662.0	314.5	9.63
Services	Commercial	7 240.0	69.2	9.55
	Industrial	7 915.0	75.7	9.56
Education	Private	1 842.4	16.9	9.19
	Public	1 599.4	14.6	9.13
Health	Private	28.7	0.1	1.79
	Public	27.7	0.0	1.78
Government	Assets	3 290.9	30.9	9.39
	National	68 649.2	655.5	9.55
	Fiscal	5 058.3	46.4	9.17

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

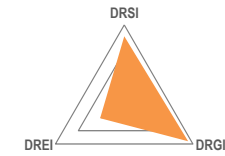
AAL/SE **DRSI** **67.1**

Disaster Risk Growth & Financial Implications

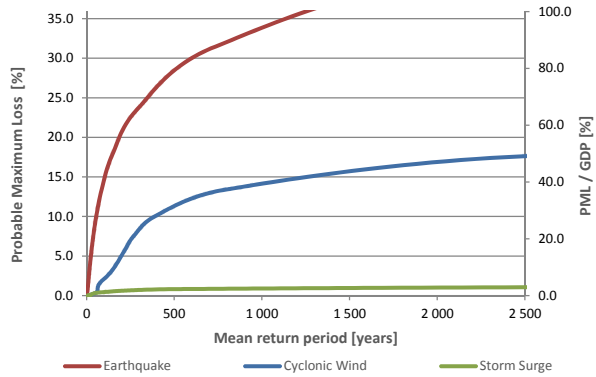
AAL/TR 0.06
AAL/GFCF 0.24
DRGI **67.6**

Disaster Risk Economic Implications

AAL/PC 0.01
AAL/GS 0.06
DREI **64.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.05	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/GNE	0.03	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/TR	0.06	0.01	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/GFCF	0.22	0.02	0.00		0.00
(Fiscal)	0.02	0.00	0.00		0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.52	0.08	0.02		
(Fiscal)	0.04	0.00	0.00		
PML250/GDP	0.40	0.06	0.01		
(Fiscal)	0.03	0.00	0.00		

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CAPRA Team

Tunisia

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	10 886 500
- Urban	[%]	66.5
- Rural	[%]	33.5
Land area	[km²]	155 360.0
Pop.Density	[km²/Hab]	70.1
GINI	[value]	35.70
HDI	[value]	0.72
Exposed Value	[million US$]	178 931
- Fiscal	[million US$]	38 486

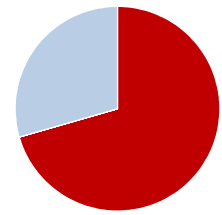
Economic Indicators

GDP Gross Domestic Product	[million US$]	46 993.6
GDP per capita	[US$]	4 316.7
GNE Gross National Expenditure	[million US$]	51 302.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	6 919.6
GFCF Gross Fixed Capital Formation	[million US$]	9 509.4
TR Total Reserves	[million US$]	7 550.0
Public spending on education	[% GDP]	6.2
Health Expenditure	[% GDP]	7.0

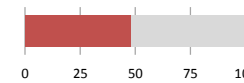
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	97.2	0.54	1 503.0	2 991.8	4 644.4	6 856.6
(Fiscal)	20.5	0.53	316.6	630.8	980.1	1 448.7
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	40.6	0.23				
(Fiscal)	6.7	0.17				
National	137.8	0.77				
Fiscal	27.2	0.71				

AAL Distribution by Hazard



Disaster Risk Development Implications



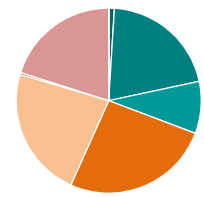
DRDI **47.91**

Ranking		
World	90	168
Region	1	57
Economy	26	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	2 792.2	1.0	0.34
	Middle low	36 506.1	20.1	0.55
	Middle high	17 196.8	8.8	0.51
	High			
Services	Commercial	45 365.6	25.2	0.56
	Industrial	40 171.5	22.2	0.55
Education	Private	1 117.3	0.3	0.28
	Public	35 597.2	19.5	0.55
Health	Private	87.9	0.0	0.02
	Public	96.3	0.0	0.04
Government	Assets			
	National	178 931.0	97.2	0.54
	Fiscal	38 485.8	20.5	0.53

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

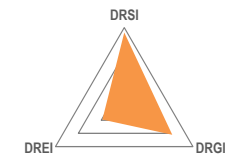
AAL/SE **DRSI** **49.6**

Disaster Risk Growth & Financial Implications

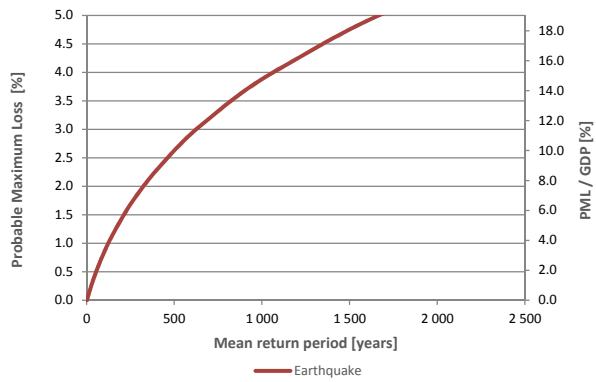
AAL/TR 0.02
AAL/GFCF 0.01 **DRGI** **48.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 **DREI** **45.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.03				
(Fiscal)	0.01				
PML250/GDP	0.03				
(Fiscal)	0.01				

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CAPRA Team

Turkey

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	74 932 640
- Urban	[%]	72.4
- Rural	[%]	27.6
Land area	[km²]	769 630.0
Pop.Density	[km²/Hab]	97.4
GINI	[value]	40.00
HDI	[value]	0.76
Exposed Value	[million US$]	1 963 303
- Fiscal	[million US$]	205 604

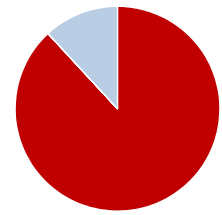
Economic Indicators

GDP Gross Domestic Product	[million US$]	822 135.2
GDP per capita	[US$]	10 971.7
GNE Gross National Expenditure	[million US$]	876 064.3
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	112 327.9
GFCF Gross Fixed Capital Formation	[million US$]	167 070.0
TR Total Reserves	[million US$]	131 053.8
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	6.3

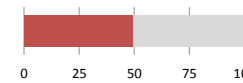
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2 200.4	1.13	15 897.6	25 823.7	35 777.1	47 543.2
(Fiscal)	237.5	1.16	1 649.1	2 667.9	3 672.4	4 860.6
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	296.1	0.15				
(Fiscal)	26.7	0.13				
National	2 496.5	1.28				
Fiscal	264.2	1.28				

AAL Distribution by Hazard



Disaster Risk Development Implications



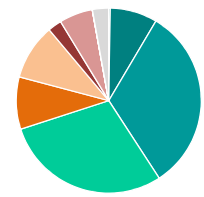
DRDI **49.49**

Ranking		
World	80	168
Region	27	51
Economy	16	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	9 313.0	5.9	0.64
	Middle low	172 277.0	181.9	1.06
	Middle high	596 324.0	710.4	1.19
	High	541 341.8	642.4	1.19
Services	Commercial	187 560.4	200.7	1.07
	Industrial	199 709.2	214.5	1.07
Education	Private	59 504.0	53.1	0.89
	Public	126 458.8	128.6	1.02
Health	Private	982.4	0.2	0.20
	Public	2 074.0	0.7	0.33
Government	Assets	67 758.6	62.0	0.92
	National	1 963 303.2	2 200.4	1.12
	Fiscal	205 604.4	197.3	0.96

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

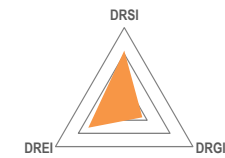
AAL/SE 19055.07 **DRSI** **50.1**

Disaster Risk Growth & Financial Implications

AAL/TR 0.02
AAL/GFCF 0.01 **DRGI** **48.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 **DREI** **49.6**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.02				0.00
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.00
(Fiscal)	0.00				0.00
AAL/SE	16794.88				2260.19
(Fiscal)	1812.61				203.87
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.02				
(Fiscal)	0.00				

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CAPRA Team

Turkmenistan

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	5 240 072
- Urban	[%]	49.4
- Rural	[%]	50.6
Land area	[km²]	469 930.0
Pop.Density	[km²/Hab]	11.2
GINI	[value]	40.70
HDI	[value]	0.70
Exposed Value	[million US$]	36 185
- Fiscal	[million US$]	10 602

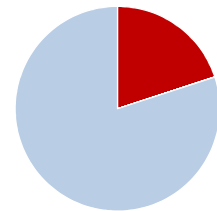
Economic Indicators

GDP Gross Domestic Product	[million US$]	41 850.9
GDP per capita	[US$]	7 986.7
GNE Gross National Expenditure	[million US$]	25 014.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	367.6
GFCF Gross Fixed Capital Formation	[million US$]	16 597.5
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	2.0

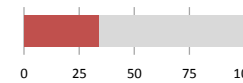
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	19.3	0.53	237.1	450.7	673.5	952.0
(Fiscal)	5.7	0.53	70.8	134.2	201.4	286.3
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	77.1	2.13				
(Fiscal)	21.6	2.03				
National	96.4	2.67				
Fiscal	27.2	2.57				

AAL Distribution by Hazard



Disaster Risk Development Implications



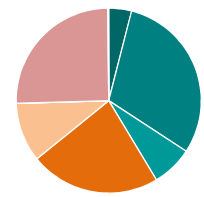
DRDI **34.26**

Ranking		
World	144	168
Region	43	48
Economy	37	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	1 582.7	0.8	0.48
	Middle low	10 876.5	5.8	0.53
	Middle high	2 713.3	1.4	0.50
	High			
Services	Commercial	8 091.9	4.3	0.54
	Industrial	3 792.4	2.0	0.52
Education	Private	49.0	0.0	0.15
	Public	8 943.3	4.8	0.54
Health	Private	60.4	0.0	0.17
	Public	75.8	0.0	0.18
Government	Assets			
National		36 185.3	19.1	0.53
Fiscal		10 601.9	5.6	0.53

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

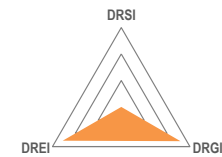
AAL/TR

AAL/GFCF 0.01 **DRGI** **51.7**

Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS 0.26 **DREI** **51.0**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.05				0.21
(Fiscal)	0.02				0.06
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR					
(Fiscal)					
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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CAPRA Team

Turks and Caicos Islands

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	33 098
- Urban	[%]	91.5
- Rural	[%]	8.5
Land area	[km²]	950.0
Pop.Density	[km²/Hab]	34.8
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	1 049
- Fiscal	[million US$]	89

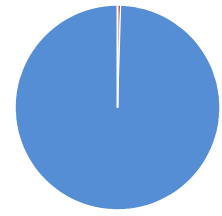
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

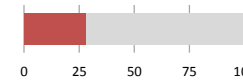
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.10	0.6	1.3	2.7	5.3
(Fiscal)	0.0	0.11	0.1	0.1	0.2	0.5
Cyclonic Wind	20.6	19.64	541.5	606.4	714.6	718.6
(Fiscal)	1.8	19.81	46.5	52.5	61.7	61.7
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	20.7	19.74				
Fiscal	1.8	19.93				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **28.05**

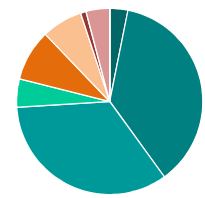
Ranking

SIDS Country **40** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	38.4	0.7	16.92
	Middle low	368.2	7.6	20.74
	Middle high	340.7	7.0	20.67
	High	58.8	1.0	17.21
Services	Commercial	98.1	1.8	18.86
	Industrial	78.5	1.5	18.70
Education	Private	15.5	0.2	13.12
	Public	49.3	0.8	17.21
Health	Private	0.3	0.0	0.00
	Public	1.6	0.0	0.00
Government	Assets			
	National	1 049.3	20.7	19.73
	Fiscal	89.3	1.5	16.78

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

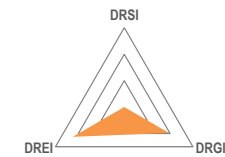
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

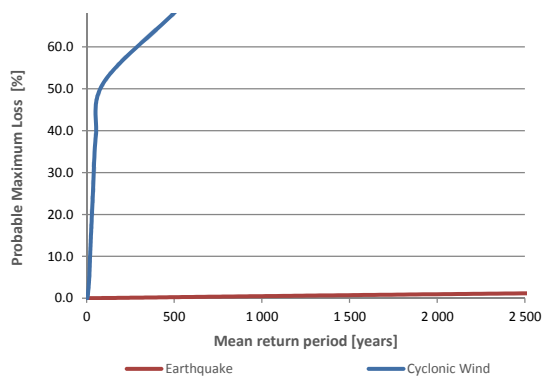
AAL/TR
AAL/GFCF **DRGI** **39.2**

Disaster Risk Economic Implications

AAL/PC 0.02
AAL/GS **DREI** **45.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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CAPRA Team

Tuvalu

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	9 876
- Urban	[%]	57.8
- Rural	[%]	42.2
Land area	[km²]	30.0
Pop.Density	[km²/Hab]	329.2
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	123
- Fiscal	[million US$]	47

Economic Indicators

GDP Gross Domestic Product	[million US$]	38.3
GDP per capita	[US$]	3 880.4
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	15.4

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National						
Fiscal						

AAL Distribution by Hazard

Disaster Risk Development Implications

0 25 50 75 100

DRDI **0**

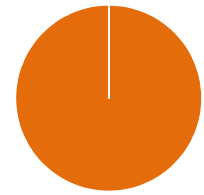
Ranking

World	168
Region	48
Economy	49

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	11.6	0.0	0.00
	Middle low	16.3	0.0	0.00
	Middle high			
	High			
Services	Commercial	53.9	0.0	0.01
	Industrial	5.7	0.0	0.00
Education	Private			
	Public	35.1	0.0	0.00
Health	Private	0.0	0.0	0.00
	Public	0.7	0.0	0.00
Government	Assets			
	National	123.3	0.0	0.01
	Fiscal	47.4	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

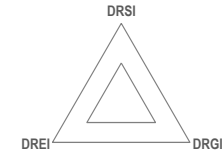
AAL/SE **DRSI**

Disaster Risk Growth & Financial Implications

AAL/TR
AAL/GFCF **DRGI**

Disaster Risk Economic Implications

AAL/PC
AAL/GS **DREI**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP				
(Fiscal)				

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CAPRA Team

Uganda

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	37 578 876
- Urban	[%]	15.4
- Rural	[%]	84.6
Land area	[km²]	199 810.0
Pop.Density	[km²/Hab]	188.1
GINI	[value]	44.50
HDI	[value]	0.48
Exposed Value	[million US$]	43 731
- Fiscal	[million US$]	24 643

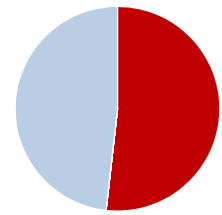
Economic Indicators

GDP Gross Domestic Product	[million US$]	21 493.6
GDP per capita	[US$]	572.0
GNE Gross National Expenditure	[million US$]	23 933.6
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	2 858.6
GFCF Gross Fixed Capital Formation	[million US$]	5 121.5
TR Total Reserves	[million US$]	3 337.5
Public spending on education	[% GDP]	3.3
Health Expenditure	[% GDP]	8.0

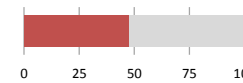
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	22.1	0.51	295.2	686.6	1 157.0	1 769.9
(Fiscal)	11.6	0.47	154.4	359.3	605.6	932.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	20.6	0.47				
(Fiscal)	9.9	0.40				
National	42.7	0.98				
Fiscal	21.6	0.88				

AAL Distribution by Hazard



Disaster Risk Development Implications



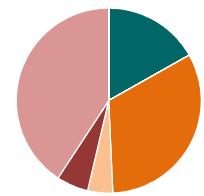
DRDI **47.58**

Ranking		
World	93	168
Region	25	57
Economy	33	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	7 408.2	3.5	0.47
	Middle low			
	Middle high			
	High			
Services	Commercial	13 830.4	6.7	0.49
	Industrial	2 387.2	0.9	0.38
Education	Private	2 847.9	1.2	0.40
	Public	17 229.5	8.4	0.49
Health	Private	22.4	0.0	0.01
	Public	5.7	0.0	0.00
Government	Assets			
	National	43 731.4	20.7	0.47
	Fiscal	24 643.4	11.9	0.48

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

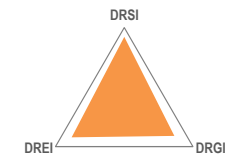
AAL/SE **DRSI** **53.0**

Disaster Risk Growth & Financial Implications

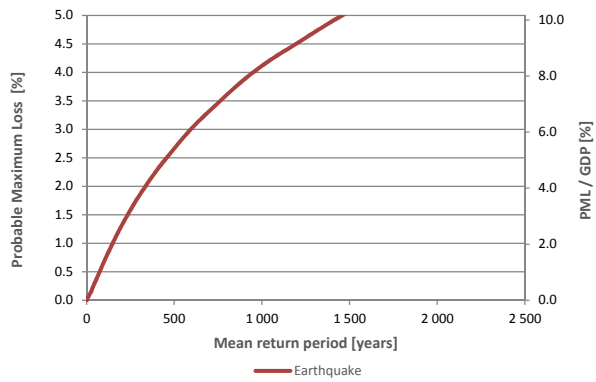
AAL/TR 0.01
AAL/GFCF 0.01
DRGI **43.8**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **45.9**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.01				
PML250/GDP	0.01				
(Fiscal)	0.01				

Ukraine

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	45 489 600
- Urban	[%]	69.3
- Rural	[%]	30.7
Land area	[km²]	579 320.0
Pop.Density	[km²/Hab]	78.5
GINI	[value]	24.80
HDI	[value]	0.73
Exposed Value	[million US$]	680 656
- Fiscal	[million US$]	86 238

Economic Indicators

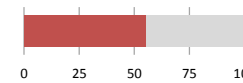
GDP Gross Domestic Product	[million US$]	177 430.6
GDP per capita	[US$]	3 900.5
GNE Gross National Expenditure	[million US$]	192 523.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	27 492.2
GFCF Gross Fixed Capital Formation	[million US$]	32 236.1
TR Total Reserves	[million US$]	20 413.6
Public spending on education	[% GDP]	6.2
Health Expenditure	[% GDP]	7.6

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	8.7	0.01	123.5	263.8	437.2	684.4
(Fiscal)	1.2	0.01	17.2	36.4	60.2	93.5
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	1 153.8	1.70				
(Fiscal)	155.1	1.80				
National	1 162.5	1.72				
Fiscal	156.3	1.81				

AAL Distribution by Hazard

Disaster Risk Development Implications



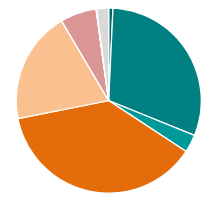
DRDI **55.53**

Ranking		
World	38	168
Region	5	51
Economy	14	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	10 170.5	0.1	0.01
	Middle low	192 834.9	2.2	0.01
	Middle high	29 943.5	0.2	0.01
	High			
Services	Commercial	234 720.9	2.7	0.01
	Industrial	134 689.4	1.4	0.01
Education	Private	447.7	0.0	0.00
	Public	51 923.0	0.5	0.01
Health	Private	1 781.5	0.0	0.00
	Public	2 412.6	0.0	0.00
Government	Assets	21 732.0	0.1	0.01
National		680 656.1	7.2	0.01
Fiscal		86 238.2	0.7	0.01

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

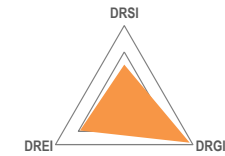
AAL/SE **DRSI** **52.6**

Disaster Risk Growth & Financial Implications

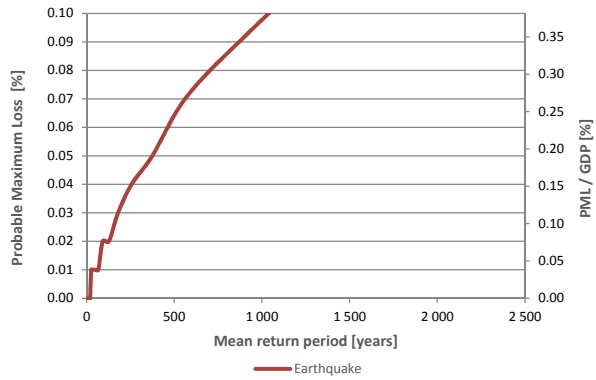
AAL/TR 0.06
AAL/GFCF 0.04 **DRGI** **59.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.04 **DREI** **54.7**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.04
(Fiscal)	0.00				0.01
AAL/GNE	0.00				0.01
(Fiscal)	0.00				0.00
AAL/TR	0.00				0.06
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.04
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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United Arab Emirates

Asia

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	9 346 129
- Urban	[%]	85.0
- Rural	[%]	15.0
Land area	[km²]	83 600.0
Pop.Density	[km²/Hab]	111.8
GINI	[value]	
HDI	[value]	0.83
Exposed Value	[million US$]	1 282 325
- Fiscal	[million US$]	57 682

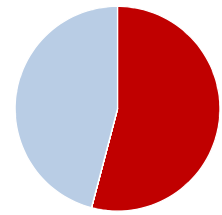
Economic Indicators

GDP Gross Domestic Product	[million US$]	402 340.1
GDP per capita	[US$]	43 048.9
GNE Gross National Expenditure	[million US$]	318 951.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	88 386.7
TR Total Reserves	[million US$]	68 202.7
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	2.8

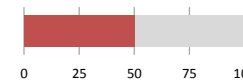
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	753.1	0.59	6 907.7	16 050.3	27 544.6	43 373.2
(Fiscal)	32.9	0.57	300.3	699.8	1 204.4	1 902.0
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	639.0	0.50				
(Fiscal)	27.6	0.48				
National	1 392.1	1.09				
Fiscal	60.5	1.05				

AAL Distribution by Hazard



Disaster Risk Development Implications



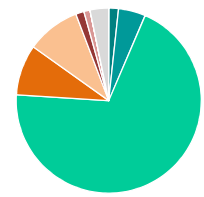
DRDI **50.13**

Ranking		
World	78	168
Region	26	12
Economy	11	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	916.8	0.3	0.35
	Middle low	21 755.8	12.5	0.57
	Middle high	61 488.1	35.7	0.58
	High	887 321.3	523.8	0.59
Services	Commercial	113 713.1	66.7	0.59
	Industrial	120 953.2	70.6	0.58
Education	Private	19 235.8	11.0	0.57
	Public	14 350.5	8.1	0.56
Health	Private	175.4	0.0	0.19
	Public	390.5	0.1	0.27
Government	Assets	42 024.6	24.4	0.58
	National	1 282 325.1	753.1	0.59
	Fiscal	57 682.3	32.9	0.57

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

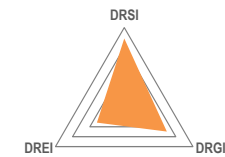
AAL/SE **DRSI** **69.0**

Disaster Risk Growth & Financial Implications

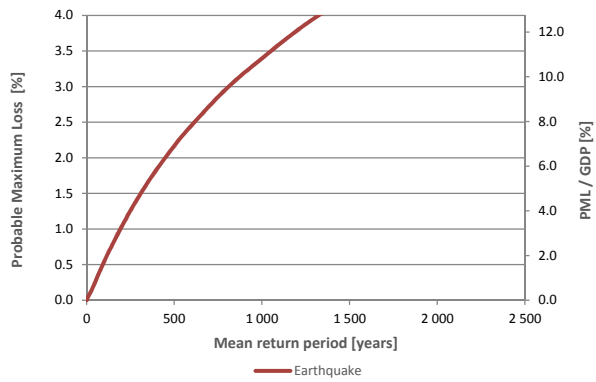
AAL/TR 0.02
AAL/GFCF 0.02
DRGI **49.6**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS
DREI **31.8**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.01				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.00				
PML250/GDP	0.02				
(Fiscal)	0.00				

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CAPRA Team

United Kingdom

Europe

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	64 097 084
- Urban	[%]	82.1
- Rural	[%]	17.9
Land area	[km²]	241 930.0
Pop.Density	[km²/Hab]	264.9
GINI	[value]	38.00
HDI	[value]	0.89
Exposed Value	[million US$]	7 820 090
- Fiscal	[million US$]	490 148

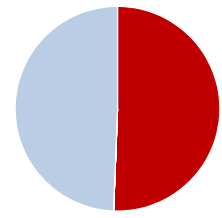
Economic Indicators

GDP Gross Domestic Product	[million US$]	2 678 455.0
GDP per capita	[US$]	41 787.5
GNE Gross National Expenditure	[million US$]	2 728 637.8
SE Social Expenditure	[million US$]	0.8
GS Gross Savings	[million US$]	332 877.2
GFCF Gross Fixed Capital Formation	[million US$]	440 106.8
TR Total Reserves	[million US$]	104 418.7
Public spending on education	[% GDP]	6.2
Health Expenditure	[% GDP]	9.4

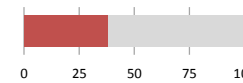
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	891.6	0.11	17 405.7	38 729.6	65 661.0	104 665.5
(Fiscal)	45.9	0.09	893.3	1 997.1	3 390.2	5 393.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	870.0	0.11				
(Fiscal)	48.9	0.10				
National	1 761.6	0.23				
Fiscal	94.8	0.19				

AAL Distribution by Hazard



Disaster Risk Development Implications



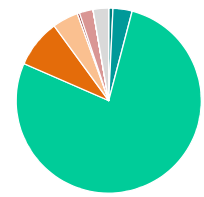
DRDI **38.19**

Ranking		
World	137	168
Region	31	51
Economy	29	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3 450.9	0.2	0.05
	Middle low	60 732.7	6.4	0.10
	Middle high	258 181.3	29.9	0.12
	High	5 781 763.0	691.2	0.12
Services	Commercial	767 125.6	75.0	0.10
	Industrial	417 208.3	40.5	0.10
Education	Private	43 939.6	3.5	0.08
	Public	226 466.2	21.3	0.09
Health	Private	991.2	0.0	0.01
	Public	4 517.2	0.2	0.04
Government	Assets	255 714.0	24.2	0.09
	National	7 820 090.0	892.4	0.11
	Fiscal	490 148.3	45.8	0.09

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

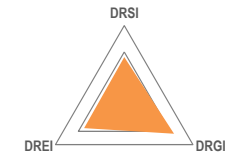
AAL/SE 2306.78 **DRSI** **36.1**

Disaster Risk Growth & Financial Implications

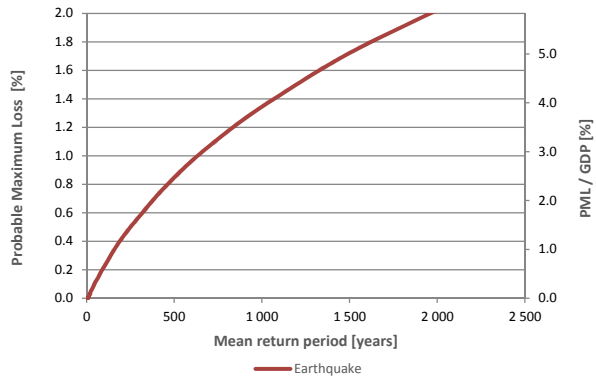
AAL/TR 0.02
AAL/GFCF 0.00 **DRGI** **43.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01 **DREI** **35.0**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.00
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE	1167.51				1139.28
(Fiscal)	60.12				64.07
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

United States

Northern America

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	316 128 832
- Urban	[%]	81.3
- Rural	[%]	18.7
Land area	[km²]	9 147 420.0
Pop.Density	[km²/Hab]	34.6
GINI	[value]	41.10
HDI	[value]	0.91
Exposed Value	[million US$]	56 344 377
- Fiscal	[million US$]	3 218 760

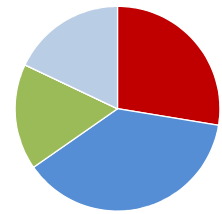
Economic Indicators

GDP Gross Domestic Product	[million US$]	16 768 099.7
GDP per capita	[US$]	53 042.0
GNE Gross National Expenditure	[million US$]	17 276 300.4
SE Social Expenditure	[million US$]	4.3
GS Gross Savings	[million US$]	2 692 664.0
GFCF Gross Fixed Capital Formation	[million US$]	3 244 299.9
TR Total Reserves	[million US$]	448 509.0
Public spending on education	[% GDP]	5.4
Health Expenditure	[% GDP]	17.9

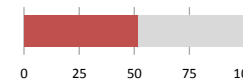
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	14 459.0	0.26	1 056.7	1 694.7	2 293.5	2 987.7
(Fiscal)	815.8	0.25	7 873.8	12 506.3	16 952.7	22 052.6
Cyclonic Wind	19 778.4	0.36	210 585.7	257 416.8	298 654.6	324 157.0
(Fiscal)	1 101.4	0.34	12 005.4	14 531.1	17 373.7	18 031.7
Storm Surge	8 774.4	0.16	87 253.9	128 149.3	137 090.4	154 972.6
(Fiscal)	498.8	0.15	4 871.8	7 270.5	7 746.5	8 698.5
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	9 408.9	0.17				
(Fiscal)	---	---				
National	52 420.6	0.95				
Fiscal	2 416.0	0.75				

AAL Distribution by Hazard



Disaster Risk Development Implications



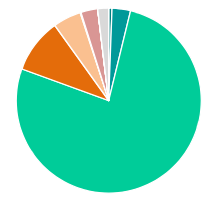
DRDI **51.83**

Ranking		
World	64	168
Region	1	2
Economy	7	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	27 065.9	2.4	0.09
	Middle low	477 222.3	189.4	0.40
	Middle high	2 025 574.0	1 104.0	0.55
	High	41 986 100.0	26 283.1	0.63
Services	Commercial	5 433 282.0	3 262.1	0.60
	Industrial	2 991 382.0	1 681.3	0.56
Education	Private	190 332.0	53.8	0.28
	Public	1 878 825.0	998.5	0.53
Health	Private	21 724.1	1.3	0.06
	Public	19 170.6	1.0	0.05
Government	Assets	1 293 699.0	653.6	0.51
	National	56 344 376.9	34 230.3	0.61
	Fiscal	3 218 760.5	1 655.4	0.51

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

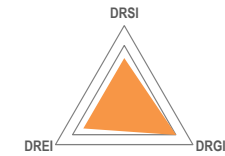
AAL/SE 12315.41 **DRSI** **47.3**

Disaster Risk Growth & Financial Implications

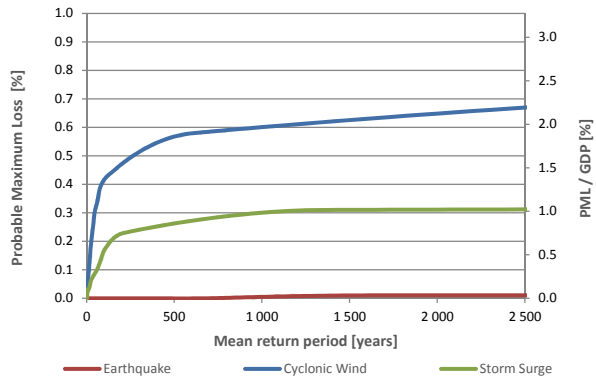
AAL/TR 0.12
AAL/GFCF 0.02 **DRGI** **60.7**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.02 **DREI** **47.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01	0.01	0.00		0.00
(Fiscal)	0.00	0.00	0.00		
AAL/GNE	0.00	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		
AAL/TR	0.03	0.04	0.02		0.02
(Fiscal)	0.00	0.00	0.00		
AAL/GFCF	0.00	0.01	0.00		0.00
(Fiscal)	0.00	0.00	0.00		
AAL/SE	3396.91	4646.62	2061.41		2210.47
(Fiscal)	191.66	258.75	117.19		
PML250/GNE	0.00	0.01	0.01		
(Fiscal)	0.00	0.00	0.00		
PML250/GDP	0.00	0.01	0.01		
(Fiscal)	0.00	0.00	0.00		

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Uruguay

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	3 407 062
- Urban	[%]	95.0
- Rural	[%]	5.0
Land area	[km²]	175 020.0
Pop.Density	[km²/Hab]	19.5
GINI	[value]	41.30
HDI	[value]	0.79
Exposed Value	[million US$]	116 569
- Fiscal	[million US$]	17 589

Economic Indicators

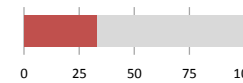
GDP Gross Domestic Product	[million US$]	55 707.9
GDP per capita	[US$]	16 350.7
GNE Gross National Expenditure	[million US$]	57 529.9
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	8 640.0
GFCF Gross Fixed Capital Formation	[million US$]	12 763.7
TR Total Reserves	[million US$]	16 280.5
Public spending on education	[% GDP]	4.5
Health Expenditure	[% GDP]	8.9

National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	35.2	0.30				
(Fiscal)	5.0	0.29				
National	35.2	0.30				
Fiscal	5.0	0.29				

AAL Distribution by Hazard

Disaster Risk Development Implications



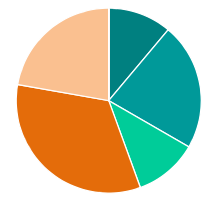
DRDI **33.2**

Ranking		
World	145	168
Region	17	46
Economy	28	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	736.9	0.0	0.00
	Middle low	14 439.9	0.0	0.00
	Middle high	22 201.9	0.0	0.00
	High	16 726.0	0.0	0.00
Services	Commercial	26 384.8	0.0	0.00
	Industrial	17 381.7	0.0	0.00
Education	Private	1 771.3	0.0	0.00
	Public	11 581.5	0.0	0.00
Health	Private	74.2	0.0	0.00
	Public	88.9	0.0	0.00
Government	Assets	5 181.9	0.0	0.00
	National	116 569.0	0.0	0.00
	Fiscal	17 589.2	0.0	0.00

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

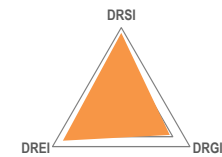
AAL/SE **DRSI** **37.4**

Disaster Risk Growth & Financial Implications

AAL/TR 0.00
AAL/GFCF 0.00
DRGI **28.2**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.00
DREI **34.0**



Probable Maximum Loss

Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					0.00
(Fiscal)					0.00
AAL/GNE					0.00
(Fiscal)					0.00
AAL/TR					0.00
(Fiscal)					0.00
AAL/GFCF					0.00
(Fiscal)					0.00
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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CAPRA Team

Uzbekistan

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	30 241 100
- Urban	[%]	36.2
- Rural	[%]	63.8
Land area	[km²]	425 400.0
Pop.Density	[km²/Hab]	71.1
GINI	[value]	35.10
HDI	[value]	0.66
Exposed Value	[million US$]	152 224
- Fiscal	[million US$]	35 611

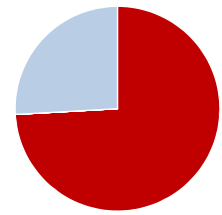
Economic Indicators

GDP Gross Domestic Product	[million US$]	56 795.7
GDP per capita	[US$]	1 878.1
GNE Gross National Expenditure	[million US$]	59 039.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	13 153.8
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	5.9

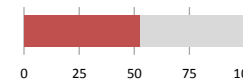
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	225.1	1.48	2 102.9	4 548.2	7 550.9	11 293.9
(Fiscal)	51.4	1.44	480.6	1 049.3	1 758.3	2 630.4
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	78.6	0.52				
(Fiscal)	16.1	0.45				
National	303.7	2.00				
Fiscal	67.5	1.90				

AAL Distribution by Hazard



Disaster Risk Development Implications



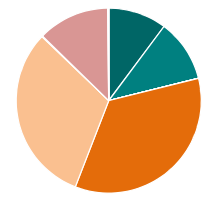
DRDI **52.5**

Ranking		
World	57	168
Region	21	48
Economy	25	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	15 987.5	22.9	1.43
	Middle low	17 060.1	24.6	1.44
	Middle high			
	High			
Services	Commercial	52 079.9	78.1	1.50
	Industrial	46 989.1	70.3	1.50
Education	Private	271.3	0.2	0.89
	Public	19 441.7	28.2	1.45
Health	Private	212.5	0.2	0.88
	Public	181.8	0.2	0.85
Government	Assets			
National		152 223.9	224.8	1.48
Fiscal		35 611.0	51.3	1.44

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

AAL/SE **DRSI** **56.2**

Disaster Risk Growth & Financial Implications

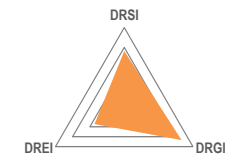
AAL/TR

AAL/GFCF 0.02 **DRGI** **66.7**

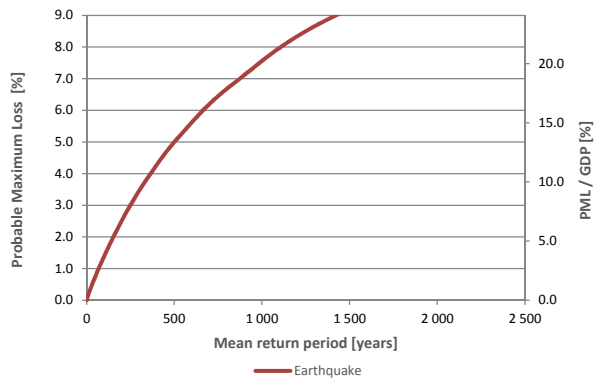
Disaster Risk Economic Implications

AAL/PC 0.00

AAL/GS **DREI** **34.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR					
(Fiscal)					
AAL/GFCF	0.02				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.04				
(Fiscal)	0.01				
PML250/GDP	0.04				
(Fiscal)	0.01				

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CAPRA Team

Vanuatu

Oceania

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

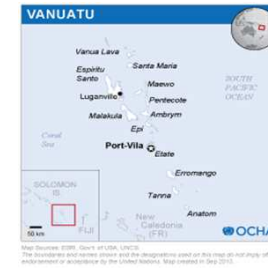
UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	252 763
- Urban	[%]	25.5
- Rural	[%]	74.5
Land area	[km²]	12 190.0
Pop.Density	[km²/Hab]	20.7
GINI	[value]	
HDI	[value]	0.62
Exposed Value	[million US$]	2 810
- Fiscal	[million US$]	681

Economic Indicators

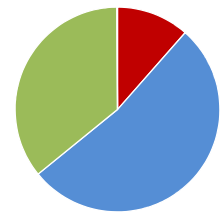
GDP Gross Domestic Product	[million US$]	828.2
GDP per capita	[US$]	3 276.7
GNE Gross National Expenditure	[million US$]	857.0
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	148.2
GFCF Gross Fixed Capital Formation	[million US$]	209.1
TR Total Reserves	[million US$]	173.8
Public spending on education	[% GDP]	5.0
Health Expenditure	[% GDP]	3.6



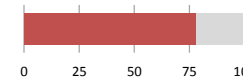
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	7.7	2.72	95.4	145.7	185.6	223.9
(Fiscal)	1.9	2.72	23.4	35.8	45.5	54.6
Cyclonic Wind	35.1	12.48	523.3	586.6	678.2	681.1
(Fiscal)	105.5	154.98	512.3	512.3	512.3	512.3
Storm Surge	23.8	8.48	94.6	103.0	103.1	103.1
(Fiscal)	7.5	10.97	27.1	32.8	33.0	33.0
Tsunami	0.1	0.02	2.0	3.0	4.3	6.1
(Fiscal)	0.0	0.03	0.5	0.8	1.1	1.5
National	66.6	23.70				
Fiscal	114.8	168.70				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **78.01**

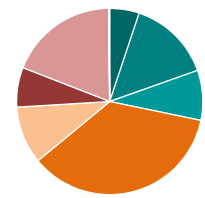
Ranking

SIDS Country	5	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	145.2	2.2	14.95
	Middle low	406.2	6.1	15.11
	Middle high	244.6	3.7	15.05
	High			
Services	Commercial	1 000.4	15.2	15.17
	Industrial	282.4	4.3	15.07
Education	Private	194.5	2.9	15.01
	Public	530.4	8.0	15.13
Health	Private	0.8	0.0	9.10
	Public	5.1	0.1	11.95
Government	Assets			
National		2 809.7	42.4	15.10
Fiscal		680.7	10.3	15.07

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

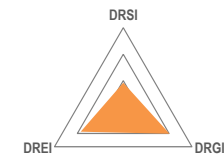
AAL/SE **DRSI** **74.6**

Disaster Risk Growth & Financial Implications

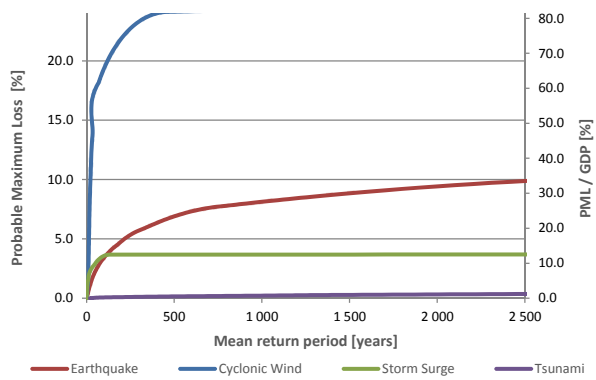
AAL/TR 0.38
AAL/GFCF 0.32
DRGI **80.1**

Disaster Risk Economic Implications

AAL/PC 0.02
AAL/GS 0.45
DREI **79.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS	0.05	0.24	0.16	0.00
(Fiscal)	0.01	0.71	0.05	0.00
AAL/GNE	0.01	0.04	0.03	0.00
(Fiscal)	0.00	0.12	0.01	0.00
AAL/TR	0.04	0.20	0.14	0.00
(Fiscal)	0.01	0.61	0.04	0.00
AAL/GFCF	0.04	0.17	0.11	0.00
(Fiscal)	0.01	0.50	0.04	0.00
AAL/SE				
(Fiscal)				
PML250/GNE	0.11	0.61	0.11	0.00
(Fiscal)	0.03	0.60	0.03	0.00
PML250/GDP	0.12	0.63	0.11	0.00
(Fiscal)	0.03	0.62	0.03	0.00

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CAPRA Team

Venezuela

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	30 405 208
- Urban	[%]	88.9
- Rural	[%]	11.1
Land area	[km²]	882 050.0
Pop.Density	[km²/Hab]	34.5
GINI	[value]	44.70
HDI	[value]	0.76
Exposed Value	[million US$]	1 159 541
- Fiscal	[million US$]	115 573

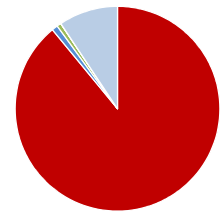
Economic Indicators

GDP Gross Domestic Product	[million US$]	438 283.6
GDP per capita	[US$]	14 414.8
GNE Gross National Expenditure	[million US$]	373 895.1
SE Social Expenditure	[million US$]	0.1
GS Gross Savings	[million US$]	97 774.8
GFCF Gross Fixed Capital Formation	[million US$]	77 440.2
TR Total Reserves	[million US$]	20 275.2
Public spending on education	[% GDP]	6.9
Health Expenditure	[% GDP]	4.7

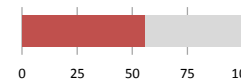
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	2 044.2	1.77	20 878.9	33 177.3	44 713.0	57 422.9
(Fiscal)	188.7	1.63	1 978.0	3 138.0	4 231.3	5 444.4
Cyclonic Wind	21.6	0.02	935.0	1 415.7	1 662.1	1 916.4
(Fiscal)	2.0	0.02	89.0	135.4	159.7	184.3
Storm Surge	15.4	0.01	425.4	575.1	671.1	696.4
(Fiscal)	1.5	0.01	40.9	55.3	65.5	67.6
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	214.7	0.19				
(Fiscal)	18.0	0.16				
National	2 295.9	1.99				
Fiscal	210.2	1.82				

AAL Distribution by Hazard



Disaster Risk Development Implications



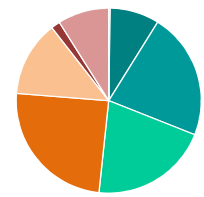
DRDI **55.93**

Ranking		
World	36	168
Region	9	46
Economy	5	66

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

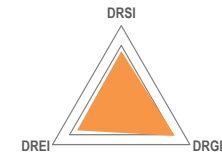
Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	6 897.4	5.7	0.83
	Middle low	104 937.4	177.7	1.69
	Middle high	250 453.0	457.1	1.82
	High	232 742.6	427.5	1.84
Services	Commercial	273 961.6	506.8	1.85
	Industrial	155 391.5	273.4	1.76
Education	Private	26 107.6	32.4	1.24
	Public	108 345.3	184.9	1.71
Health	Private	374.2	0.0	0.06
	Public	330.8	0.0	0.02
Government	Assets			
	National	1 159 541.3	2 065.6	1.78
	Fiscal	115 573.5	190.7	1.65

AAL Distribution by Sector

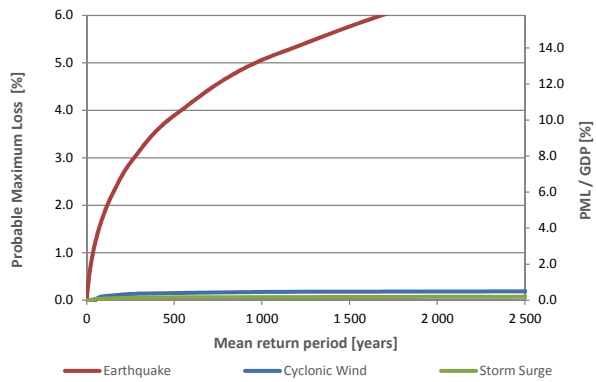


DRDI Components

Disaster Risk Social Implications			
AAL/SE	35287.84	DRSI	54.2
Disaster Risk Growth & Financial Implications			
AAL/TR	0.11	DRGI	62.3
AAL/GFCF	0.03		
Disaster Risk Economic Implications			
AAL/PC	0.00	DREI	51.3
AAL/GS	0.02		



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.02	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/GNE	0.01	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/TR	0.10	0.00	0.00		0.01
(Fiscal)	0.01	0.00	0.00		0.00
AAL/GFCF	0.03	0.00	0.00		0.00
(Fiscal)	0.00	0.00	0.00		0.00
AAL/SE	31419.98	331.38	237.16		3299.33
(Fiscal)	2899.86	31.35	22.90		276.97
PML250/GNE	0.06	0.00	0.00		
(Fiscal)	0.01	0.00	0.00		
PML250/GDP	0.05	0.00	0.00		
(Fiscal)	0.00	0.00	0.00		

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CAPRA Team

Vietnam

Asia

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	89 708 896
- Urban	[%]	32.3
- Rural	[%]	67.7
Land area	[km²]	310 070.0
Pop.Density	[km²/Hab]	289.3
GINI	[value]	35.60
HDI	[value]	0.64
Exposed Value	[million US$]	488 175
- Fiscal	[million US$]	105 818

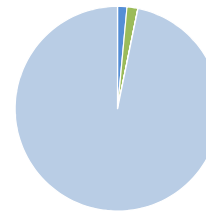
Economic Indicators

GDP Gross Domestic Product	[million US$]	171 390.0
GDP per capita	[US$]	1 910.5
GNE Gross National Expenditure	[million US$]	164 388.7
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	49 870.6
GFCF Gross Fixed Capital Formation	[million US$]	40 823.6
TR Total Reserves	[million US$]	25 893.5
Public spending on education	[% GDP]	6.3
Health Expenditure	[% GDP]	6.6

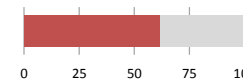
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Cyclonic Wind	35.1	0.07	613.4	892.8	1 032.8	1 180.1
(Fiscal)	300.6	2.84	2 855.7	3 481.5	3 685.5	4 093.3
Storm Surge	40.9	0.08	212.6	241.4	265.7	303.4
(Fiscal)	9.6	0.09	48.5	54.5	61.1	67.4
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	2 295.4	4.71				
(Fiscal)	549.5	5.19				
National	2 371.5	4.86				
Fiscal	859.6	8.12				

AAL Distribution by Hazard



Disaster Risk Development Implications



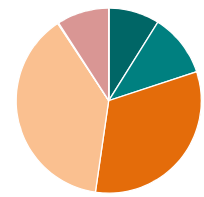
DRDI **61.91**

Ranking		
World	18	168
Region	10	48
Economy	8	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	51 114.1	3.4	0.07
	Middle low	60 165.2	4.3	0.07
	Middle high			
	High			
Services	Commercial	147 093.3	12.4	0.08
	Industrial	170 482.9	14.8	0.09
Education	Private	4 115.3	0.1	0.02
	Public	54 380.9	3.5	0.06
Health	Private	499.7	0.00	0.00
	Public	323.3	0.0	0.00
Government	Assets			
	National	488 174.7	38.5	0.08
	Fiscal	105 818.3	6.9	0.07

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

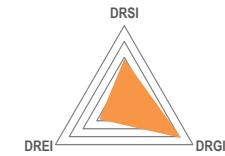
AAL/SE **DRSI** **61.8**

Disaster Risk Growth & Financial Implications

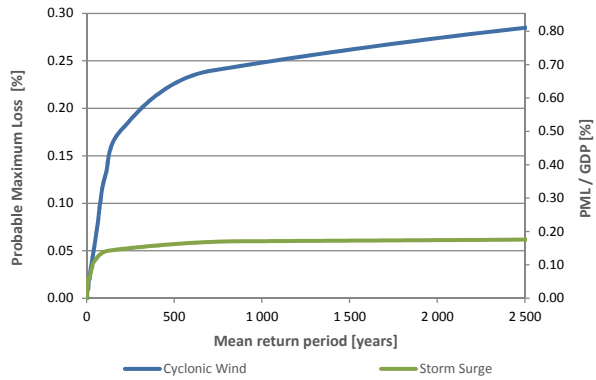
AAL/TR 0.09
AAL/GFCF 0.06 **DRGI** **64.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.05 **DREI** **59.6**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS		0.00	0.00		0.05
(Fiscal)		0.01	0.00		0.01
AAL/GNE		0.00	0.00		0.01
(Fiscal)		0.00	0.00		0.00
AAL/TR		0.00	0.00		0.09
(Fiscal)		0.01	0.00		0.02
AAL/GFCF		0.00	0.00		0.06
(Fiscal)		0.01	0.00		0.01
AAL/SE					
(Fiscal)					
PML250/GNE		0.00	0.00		
(Fiscal)		0.02	0.00		
PML250/GDP		0.00	0.00		
(Fiscal)		0.02	0.00		

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CAPRA Team

Virgin Islands

Latin America and the Caribbean

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	104 737
- Urban	[%]	95.1
- Rural	[%]	4.9
Land area	[km²]	350.0
Pop.Density	[km²/Hab]	299.2
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	5 344
- Fiscal	[million US$]	248

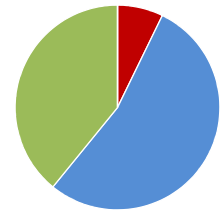
Economic Indicators

GDP Gross Domestic Product	[million US$]	1 996.0
GDP per capita	[US$]	18 728.2
GNE Gross National Expenditure	[million US$]	
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	
GFCF Gross Fixed Capital Formation	[million US$]	
TR Total Reserves	[million US$]	
Public spending on education	[% GDP]	
Health Expenditure	[% GDP]	

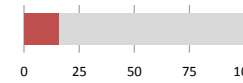
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	12.7	2.37	228.1	401.7	555.0	728.6
(Fiscal)	0.6	2.38	10.9	19.4	26.8	35.0
Cyclonic Wind	94.3	17.64	2 211.7	2 516.1	2 903.7	2 922.0
(Fiscal)	4.4	17.73	103.3	117.8	135.8	136.7
Storm Surge	68.7	12.86	956.1	1 159.4	1 234.3	1 245.1
(Fiscal)	3.3	13.37	45.9	55.8	59.0	59.5
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
National	175.7	32.87				
Fiscal	8.3	33.48				

AAL Distribution by Hazard



Disaster Risk Development Implications



DRDI **15.76**

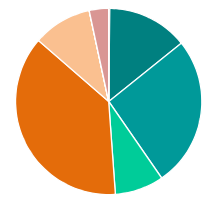
Ranking

SIDS Country **43** 48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	38.9	0.2	4.94
	Middle low	746.3	15.0	20.14
	Middle high	1 361.1	28.0	20.54
	High	466.1	9.1	19.49
Services	Commercial	1 950.4	40.1	20.58
	Industrial	549.4	11.0	19.95
Education	Private	21.4	0.0	0.75
	Public	206.8	3.6	17.38
Health	Private	2.1	0.0	0.00
	Public	1.9	0.0	0.00
Government	Assets			
	National	5 344.4	107.0	20.01
	Fiscal	247.6	3.8	15.29

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

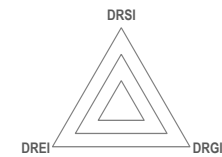
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

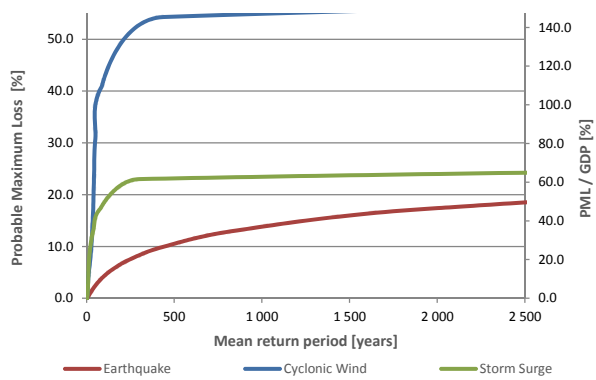
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.03
AAL/GS **DREI** **47.3**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU
AAL/GS				
(Fiscal)				
AAL/GNE				
(Fiscal)				
AAL/TR				
(Fiscal)				
AAL/GFCF				
(Fiscal)				
AAL/SE				
(Fiscal)				
PML250/GNE				
(Fiscal)				
PML250/GDP	0.11	1.11	0.48	
(Fiscal)	0.01	0.05	0.02	

CIMNE
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INGENIAR Ltd

CAPRA Team

Western Sahara

Africa

Global Assessment Report on Disaster Risk Reduction 2015

Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	554 795
- Urban	[%]	82.0
- Rural	[%]	18.0
Land area	[km²]	266 000.0
Pop.Density	[km²/Hab]	2.1
GINI	[value]	
HDI	[value]	
Exposed Value	[million US$]	3 692
- Fiscal	[million US$]	710

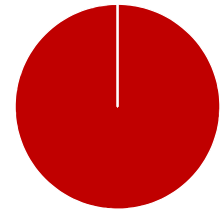
Economic Indicators

GDP Gross Domestic Product	[million US$]
GDP per capita	[US$]
GNE Gross National Expenditure	[million US$]
SE Social Expenditure	[million US$]
GS Gross Savings	[million US$]
GFCF Gross Fixed Capital Formation	[million US$]
TR Total Reserves	[million US$]
Public spending on education	[% GDP]
Health Expenditure	[% GDP]

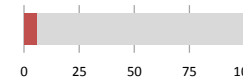
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	0.1	0.04	2.5	4.7	7.8	13.1
(Fiscal)	0.0	0.04	0.5	0.9	1.5	2.5
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	---	---				
(Fiscal)	0.0	0.01				
National	0.1	0.04				
Fiscal	0.0	0.06				

AAL Distribution by Hazard



Disaster Risk Development Implications



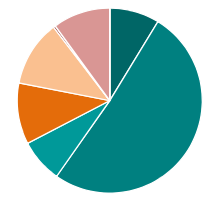
DRDI **5.71**

Ranking		
World	164	168
Region	45	57
Economy	50	23

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	329.3	0.0	0.04
	Middle low	1 832.7	0.1	0.04
	Middle high	296.2	0.0	0.04
	High			
Services	Commercial	396.7	0.0	0.04
	Industrial	425.0	0.0	0.04
Education	Private	29.1	0.0	0.02
	Public	380.3	0.0	0.04
Health	Private	1.5	0.0	0.00
	Public	0.8	0.0	0.00
Government	Assets			
	National	3 691.6	0.1	0.04
	Fiscal	710.4	0.0	0.04

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

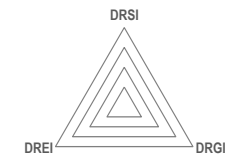
AAL/SE **DRSI** **0.0**

Disaster Risk Growth & Financial Implications

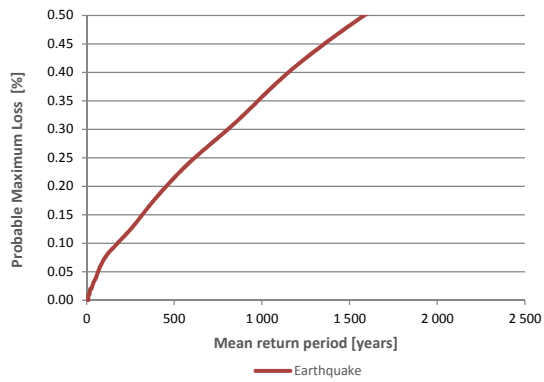
AAL/TR
AAL/GFCF **DRGI** **0.0**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS **DREI** **17.1**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS					
(Fiscal)					
AAL/GNE					
(Fiscal)					
AAL/TR					
(Fiscal)					
AAL/GFCF					
(Fiscal)					
AAL/SE					
(Fiscal)					
PML250/GNE					
(Fiscal)					
PML250/GDP					
(Fiscal)					

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Asia

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Brief Country Risk Profile

UNISDR
The United Nations Office for Disaster Risk Reduction

National Information

Population	[Hab]	24 407 380
- Urban	[%]	33.5
- Rural	[%]	66.6
Land area	[km²]	527 970.0
Pop.Density	[km²/Hab]	46.2
GINI	[value]	35.90
HDI	[value]	0.50
Exposed Value	[million US$]	79 186
- Fiscal	[million US$]	37 210

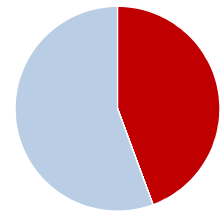
Economic Indicators

GDP Gross Domestic Product	[million US$]	35 954.5
GDP per capita	[US$]	1 473.1
GNE Gross National Expenditure	[million US$]	18 997.5
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	3 330.9
GFCF Gross Fixed Capital Formation	[million US$]	3 126.3
TR Total Reserves	[million US$]	5 344.3
Public spending on education	[% GDP]	5.2
Health Expenditure	[% GDP]	5.5

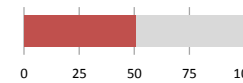
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	45.9	0.58	468.2	1 191.3	2 212.7	3 714.3
(Fiscal)	21.7	0.58	221.7	563.9	1 047.0	1 757.2
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	57.5	0.73				
(Fiscal)	27.4	0.74				
National	103.4	1.31				
Fiscal	49.1	1.32				

AAL Distribution by Hazard



Disaster Risk Development Implications



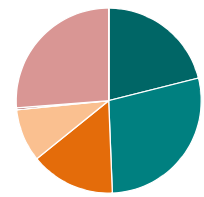
DRDI **50.98**

Ranking		
World	72	168
Region	24	12
Economy	28	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	16 607.0	9.7	0.58
	Middle low	22 170.0	13.0	0.58
	Middle high			
	High			
Services	Commercial	11 752.6	6.8	0.58
	Industrial	7 420.0	4.2	0.57
Education	Private	585.2	0.2	0.27
	Public	20 582.6	12.0	0.58
Health	Private	47.8	0.0	0.09
	Public	20.5	0.0	0.04
Government	Assets			
National		79 185.8	45.8	0.58
Fiscal		37 210.1	21.7	0.58

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

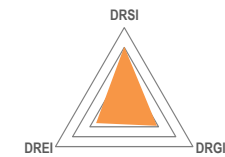
AAL/SE **DRSI** **55.2**

Disaster Risk Growth & Financial Implications

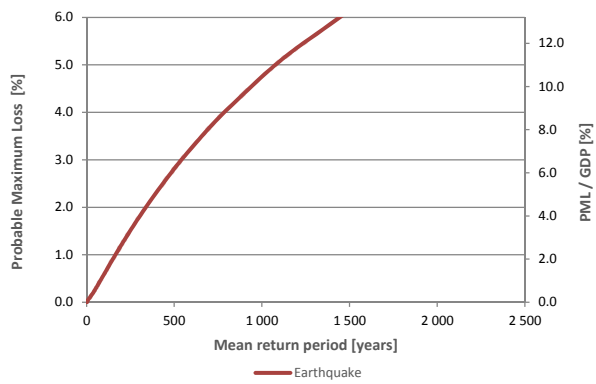
AAL/TR 0.02
AAL/GFCF 0.03
DRGI **49.5**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.03
DREI **48.2**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.01				0.02
(Fiscal)	0.01				0.01
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.01
AAL/GFCF	0.01				0.02
(Fiscal)	0.01				0.01
AAL/SE					
(Fiscal)					
PML250/GNE	0.02				
(Fiscal)	0.01				
PML250/GDP	0.01				
(Fiscal)	0.01				

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Brief Country Risk Profile

UNISDR
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National Information

Population	[Hab]	14 538 640
- Urban	[%]	40.0
- Rural	[%]	60.0
Land area	[km²]	743 390.0
Pop.Density	[km²/Hab]	19.6
GINI	[value]	57.40
HDI	[value]	0.56
Exposed Value	[million US$]	49 134
- Fiscal	[million US$]	25 001

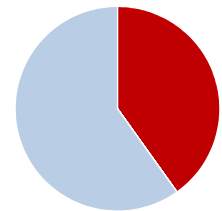
Economic Indicators

GDP Gross Domestic Product	[million US$]	26 820.9
GDP per capita	[US$]	1 844.8
GNE Gross National Expenditure	[million US$]	26 244.2
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	6 370.2
GFCF Gross Fixed Capital Formation	[million US$]	5 247.8
TR Total Reserves	[million US$]	2 683.8
Public spending on education	[% GDP]	1.4
Health Expenditure	[% GDP]	6.5

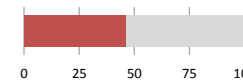
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	17.4	0.36	247.1	509.9	812.2	1 198.3
(Fiscal)	9.1	0.37	130.1	267.9	425.0	626.5
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	26.0	0.53				
(Fiscal)	16.2	0.65				
National	43.4	0.89				
Fiscal	25.3	1.01				

AAL Distribution by Hazard



Disaster Risk Development Implications



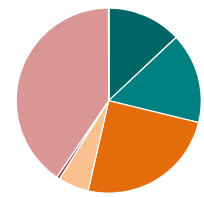
DRDI **46.39**

Ranking		
World	**100**	168
Region	**29**	57
Economy	**35**	48

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	7 012.3	1.8	0.26
	Middle low	8 193.6	2.2	0.27
	Middle high			
	High			
Services	Commercial	11 821.4	3.4	0.29
	Industrial	3 521.0	0.7	0.21
Education	Private	563.3	0.1	0.13
	Public	17 946.2	5.6	0.31
Health	Private	33.8	0.0	0.04
	Public	42.7	0.0	0.04
Government	Assets			
	National	49 134.3	13.8	0.28
	Fiscal	25 001.2	7.4	0.29

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

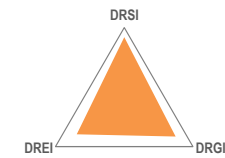
AAL/SE **DRSI** **52.8**

Disaster Risk Growth & Financial Implications

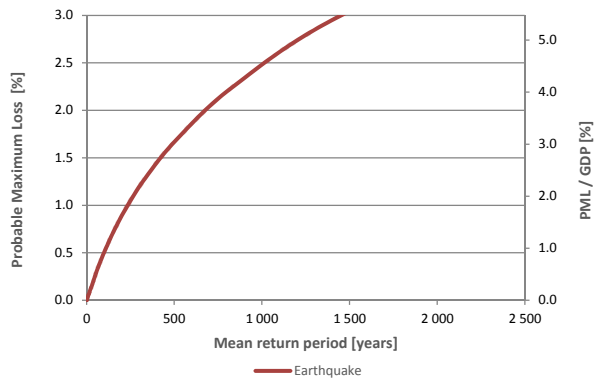
AAL/TR 0.02
AAL/GFCF 0.01
DRGI **44.9**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **41.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.00
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.01
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.00
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.01				
(Fiscal)	0.00				
PML250/GDP	0.01				
(Fiscal)	0.00				

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Brief Country Risk Profile

UNISDR
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National Information

Population	[Hab]	14 149 648
- Urban	[%]	32.7
- Rural	[%]	67.3
Land area	[km²]	386 850.0
Pop.Density	[km²/Hab]	36.6
GINI	[value]	
HDI	[value]	0.49
Exposed Value	[million US$]	22 067
- Fiscal	[million US$]	10 275

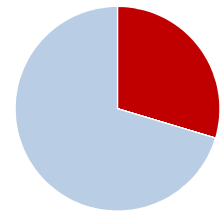
Economic Indicators

GDP Gross Domestic Product	[million US$]	13 490.0
GDP per capita	[US$]	953.4
GNE Gross National Expenditure	[million US$]	17 196.1
SE Social Expenditure	[million US$]	
GS Gross Savings	[million US$]	1 246.4
GFCF Gross Fixed Capital Formation	[million US$]	1 752.8
TR Total Reserves	[million US$]	475.0
Public spending on education	[% GDP]	2.5
Health Expenditure	[% GDP]	

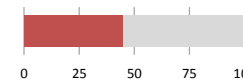
National & Fiscal Portfolio

Hazard	Average Annual Loss Value [million US$]	Average Annual Loss Premium [‰]	Probable Maximum Loss [mean return period] 250 [million US$]	500 [million US$]	1000 [million US$]	1500 [million US$]
Earthquake	4.2	0.19	53.9	126.9	223.3	359.4
(Fiscal)	2.0	0.19	25.1	59.2	104.2	167.8
Cyclonic Wind	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Storm Surge	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Tsunami	---	---	---	---	---	---
(Fiscal)	---	---	---	---	---	---
Flood	9.9	0.45				
(Fiscal)	4.6	0.45				
National	14.1	0.64				
Fiscal	6.6	0.64				

AAL Distribution by Hazard



Disaster Risk Development Implications



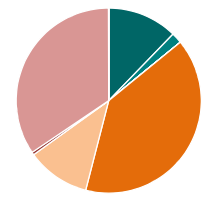
DRDI **44.88**

Ranking		
World	110	168
Region	32	57
Economy	38	30

Exposure & Risk Summary (Earthquake & Cyclonic Wind)

Sector		Exposed value [million US$]	Average Annual Loss [million US$]	[‰]
Residential (income)	Low	3 184.4	0.4	0.12
	Middle low	693.0	0.1	0.08
	Middle high			
	High			
Services	Commercial	7 909.2	1.2	0.16
	Industrial	2 943.4	0.3	0.12
Education	Private	221.8	0.0	0.07
	Public	7 067.2	1.1	0.15
Health	Private	23.8	0.0	0.02
	Public	23.8	0.0	0.02
Government	Assets			
National		22 066.5	3.1	0.14
Fiscal		10 275.3	1.4	0.14

AAL Distribution by Sector



DRDI Components

Disaster Risk Social Implications

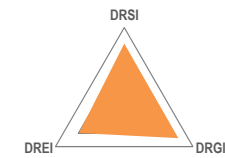
AAL/SE **DRSI** **47.9**

Disaster Risk Growth & Financial Implications

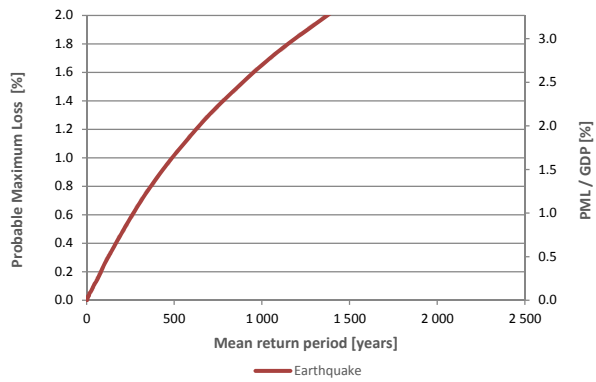
AAL/TR 0.03
AAL/GFCF 0.01
DRGI **47.3**

Disaster Risk Economic Implications

AAL/PC 0.00
AAL/GS 0.01
DREI **39.5**



Probable Maximum Loss



Risk Indicators

	EQ	WD	SS	TSU	FL
AAL/GS	0.00				0.01
(Fiscal)	0.00				0.00
AAL/GNE	0.00				0.00
(Fiscal)	0.00				0.00
AAL/TR	0.01				0.02
(Fiscal)	0.00				0.01
AAL/GFCF	0.00				0.01
(Fiscal)	0.00				0.00
AAL/SE					
(Fiscal)					
PML250/GNE	0.00				
(Fiscal)	0.00				
PML250/GDP	0.00				
(Fiscal)	0.00				

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