

Technical Collection of Concept Notes on
Indicators for the Seven Global Targets of the
Sendai Framework for Disaster Risk Reduction

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Technical collection of concept notes on indicators

- Support discussion by Member States on the selection of indicators to monitor achievement of the global targets of the Sendai Framework for Disaster Risk Reduction 2015-2030.
- Responds to the request for additional information in respect of the indicators for Targets A to E and G by member States at the second session of the OEIWG in February 2016
- Concept notes:
 - Recommended indicators;
 - Technical requirements;
 - Applicable Definitions and Terminology;
 - Computation Methodology;
 - Sources, data collection and statistical processing

Categories of indicators

Compound indicator	Methodology Available	Data Available	Indicator Category
Category I (Global application) Indicators for which a methodology exists, or has been proposed, and for which data are already widely available in a significant number of countries	Y	Y	1
Category II (National application, potential migration to global level): Indicators for which a methodology exists, or has been proposed, but for which data are not easily available	Y	N	2
Category III (Require long term development) : Indicators for which a methodology has not yet been developed nor is data easily available	N	N	3

Global Target (a) - Substantially reduce global disaster *mortality* by 2030, aiming to lower average per 100,000 global mortality between 2020-2030 compared to 2005-2015.

A-1 (A-2 + A-3)	Number of deaths and missing / presumed dead due to hazardous events per 100,000.
A-2	Number of deaths due to hazardous events.
A-3	Number of missing persons / presumed dead due to hazardous events.

Global Target (b) - Substantially reduce the number of *affected people* globally by 2030, aiming to lower the average global figure per 100,000 between 2020-2030 compared to 2005-2015.

B-1 (B-2 to B-7)	Number of affected people by hazardous event per 100,000.
B-2	Number of injured or ill people due to hazardous events.
B-3	Number of people who left their places of residence due to hazardous events
B-4	Number of people whose houses were damaged due to hazardous events.
B-5	Number of people whose houses were destroyed due to hazardous events.
B-6	Number of people who received aid including food and non-food aid due to hazardous events.
B-7	Number of people whose livelihoods were disrupted, destroyed or lost due to hazardous events.

Global Target (c) - Reduce *direct disaster economic loss* in relation to global gross domestic product (GDP) by 2030.

C-1 (C-2 to C-9)	Direct economic loss due to hazardous events in relation to global gross domestic product.
C-2	Direct agricultural loss due to hazardous events.
C-3	Direct economic loss due to industrial facilities damaged or destroyed by hazardous events
C-4	Direct economic loss due to commercial facilities damaged or destroyed by hazardous events.
C-5	Direct economic loss due to houses damaged by hazardous events
C-6	Direct economic loss due to houses destroyed by hazardous events
C-7	Direct economic loss due to damage to critical infrastructure caused by hazardous events.
C-8	Direct economic loss due to cultural heritage damaged or destroyed by hazardous events.
C-9	Direct economic loss due to environment degraded by hazardous events.
C-10	Financial transfer and access to insurance. <i>(Total insured direct losses due to hazardous events)</i>

Global Target (d) - Substantially reduce *disaster damage to critical infrastructure and disruption of basic services*, among them health and educational facilities, including through developing their resilience by 2030.

D-1 (D-2 to D-#)	Damage to critical infrastructure due to hazardous events.
D-2	Number of health facilities destroyed or damaged by hazardous events.
D-3	Number of educational facilities destroyed or damaged by hazardous events.
D-4	Number of transportation units and infrastructures destroyed or damaged by hazardous events.
D-7	Number of security service structures destroyed or damaged by hazardous events.
D-#	Number of electricity plants and transmission towers destroyed or damaged by hazardous events.

Global Target (e) - Substantially increase the number of countries with *national and local disaster risk reduction strategies* by 2020.

E-1	Number of countries that adopt and implement national DRR strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030.
E-2	Percentage of local governments that adopt and implement local DRR strategies in line with the Sendai Framework for Disaster Risk Reduction 2015-2030.

Global Target (g) - Substantially increase the availability of and access to *multi-hazard early warning systems* and *disaster risk information and assessments* to the people by 2030.

G-1 (G-2 to G-4, G-6)	Number of countries that have multi-hazard early warning system.
G-2	Number of countries that have a multi-hazard monitoring and forecasting system.
G-3	Number of people who are covered by and have access to multi-hazard early warning system per 100,000.
G-4	Number of local governments having a preparedness plan (including EWS) or evacuation plan with standard operating procedures.
G-6	Number of local governments that have multi-hazard risk assessment / risk information, with results in an accessible, understandable and usable format for stakeholders and people.
G-5	Number of countries that have multi-hazard national risk assessment / risk information with results in an accessible, understandable and usable format for stakeholders and people.

Disaster risk reduction indicators in the 2030 Agenda for Sustainable Development

- Inter-Agency and Expert Group on Sustainable Development Goal Indicators (**IAEG-SDGs**).
- **UN Statistical Commission:** Report of the Inter-Agency and Expert Group on Sustainable Development Goal Indicators, and Note by the Secretary-General E/CN.3/2016/2/Rev.1*

- **3 SDGs:**
 - Goal 1. End poverty in all its forms everywhere
 - Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable.
 - Goal 13. Take urgent action to combat climate change and its impacts

- **4 Targets**
- **4 indicators from the Sendai Framework = currently 9 indicators for SDGs Targets**

Target

Goal / Target



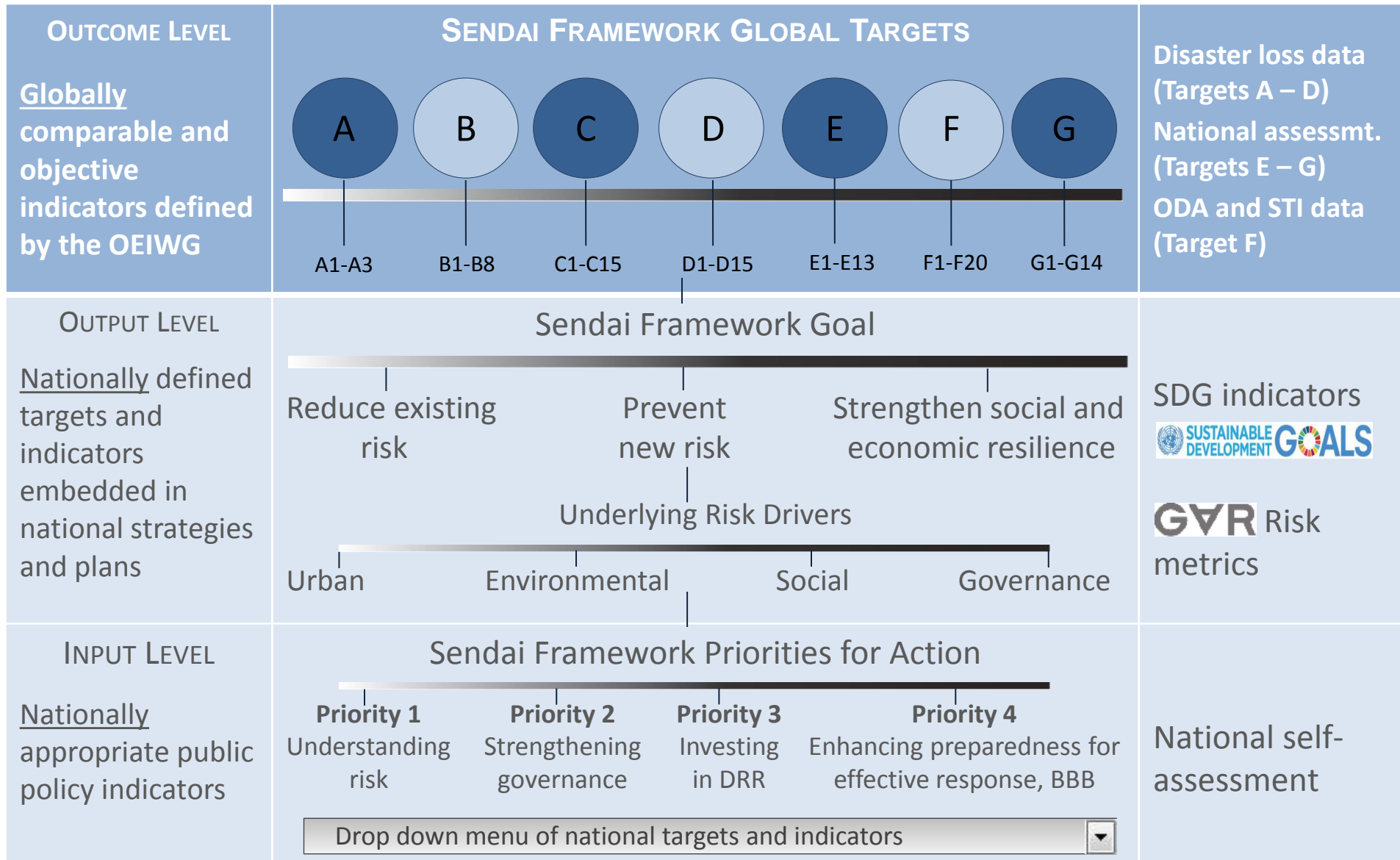
Architecture of the Sendai Framework Monitoring System at National Level

Sendai Framework Outcome

The substantial reduction of disaster risk and losses in lives, livelihoods and health and in the economic, physical, social, cultural and environmental assets of persons, businesses, communities and countries

PROCESS

DATA



Data requirements: constructing the baseline (2016 - 2019)



SUSTAINABLE DEVELOPMENT GOALS

HIGH-LEVEL POLITICAL FORUM ON SUSTAINABLE DEVELOPMENT

Public / private and international users



WillisTowersWatson

INFORM
INDEX FOR RISK MANAGEMENT



OEIWG
Global indicators
Target A
Target B
Target.....
Target G

National level targets and indicators

Determined by each country

Global reporting to intergovernmental bodies



Global analysis and validation by UN member States and other stakeholders



Regional analysis and validation by UN member States and other stakeholders



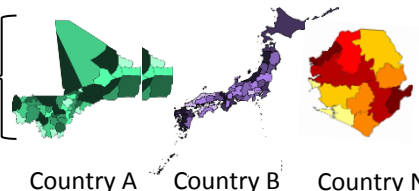
Clearing house:
Data aggregation / quality control
Analysis of trends and patterns
Measurement of progress / reporting



193 UN Member States

National Disaster Loss database (currently 89)

- Recording Data
- Institutionalization



Support reporting and analysis

Open data

Standards

Technical assistance

New software generation



V10.0

Monitoring the Sendai Framework for Disaster Risk Reduction 2016 - 2022

