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Federal Department of Foreign Affairs FDFA
Swiss Agency for Development and Cooperation SDC

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LEBANON RECOVERY FUND

STRENGTHENING DISASTER RISK MANAGEMENT CAPACITIES IN LEBANON

Disaster Risk Management Unit
2015





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Major Hazards that Threaten Lebanon



- **Earthquakes**
- **Tsunami**
- **Floods**
- **Landslides**
- **Forest Fires**
- **Wars and armed conflicts**
- **Explosions**





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Needs Assessment

The UNDP / Presidency of Council of Ministers needs assessment report on DRR (2007) concluded that:

- Most resources were directed towards relief, rehabilitation, and reconstruction efforts and not enough towards prevention and disaster risk reduction.
- Existing plans focus on response and do not sufficiently address prevention.
- No national disaster management plan in place.
- No authority actively working towards developing disaster risk reduction initiatives.
- Lack in qualified staff at all levels to develop, implement, and review policies integrating prevention and mitigation measures for disasters.



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Lebanon's Disaster Risk Management

- ✓ 2005 Endorsement and adoption of the Hyogo Framework for Action (HFA)
- ✓ 2009 Prime Minister's Office (PMO) with support from UNDP formulated a project 'Strengthening DRM Capacities in Lebanon'



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Lebanon's Disaster Risk Management

Project objective:

Help the Lebanese Government develop its disaster management and corresponding risk reduction strategy.



Phase 1 : (2010 – 2012) Project's Outputs

Output 1: Disaster Risk Reduction & Management Unit established

Output 2: National DRR Strategy and Systems Developed and Implemented

Output 3: Building National Capacities at Central and Regional Levels

Output 4: Public awareness on DRR raised

Output 5: Engendering DRR Institutions and National and Local Plans

Output 1: Disaster Risk Reduction and Management Unit established

- ❑ **Proposal of Law**
- ❑ This proposal was signed by a Member of Parliament.
- ❑ It is now being studied by a special parliamentary commission.



Output 1: Disaster Risk Reduction and Management Unit established

- **Parliamentarian's session on DRR**





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Output 1: Disaster Risk Reduction and Management Unit established

HFA

National committee submission of the two

National Progress Report on the Implementation of HFA

- ❑ 2009-2011
- ❑ 2012 2013



Output 2: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- National Response Plan (NRP)
 - Introduction of the general framework for response
 - Strategies and Objectives
 - Guidelines for the general response framework
 - Preparedness guidelines for disasters and crisis
 - Mechanisms for preparedness and capacity development
 - Managing the general framework for response during crisis and disasters
 - A contingency plan sample model
 - Response mechanisms and levels of alerts



الإطار العام للاستجابة الوطنية خلال الكوارث والأزمات
خطة الاستجابة الوطنية خلال الكوارث والأزمات
2017 – 2012

إعداد:

الهيئة الوطنية لإدارة الطوارئ والأزمات والكوارث

Output 2: National DRR Strategy and Systems Developed and Implemented

Assessment of Critical Infrastructure:

- ❑ Desk Review was conducted with relevant ministries:
- ❑ Collecting data and samples of design criteria for infrastructure types such as schools, hospitals, dams, airports, ports, electricity plants, petroleum plants and bridges.





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Output 2: National DRR Strategy and Systems Developed and Implemented

- ❑ DesInventar database from the Lebanese Army from the years 2003 to 2011
- ❑ Production of report and recommendations to improve data collation and analysis of disaster risk losses methodology.
- ❑ Collection of data other sources, going back to the 1980s.





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Output 2: National DRR Strategy and Systems Developed and Implemented

E- Library :

- ❑ 115 studies collected from AUB, USJ, LAU, NDU and the CNRS.
- ❑ A focal for updating of the e-library designated
- ❑ Available studies on Disaster Risk Management from the university's libraries and relevant departments collated
- ❑ Major forms uploaded into the e-library.



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Output 2: National DRR Strategy and Systems Developed and Implemented

National DRR Strategy developed

**Objective: reduce disaster risk drivers & allow Lebanon
meet MDG Targets**

Recommendations based on 3 axes:

- 1) Effectiveness and governance risk management
practices at all levels**
- 2) Critical infrastructure resilience**
- 3) City and Community resilience**

Output 3: Building National Capacities at Central and Regional Levels

DRR training curriculums

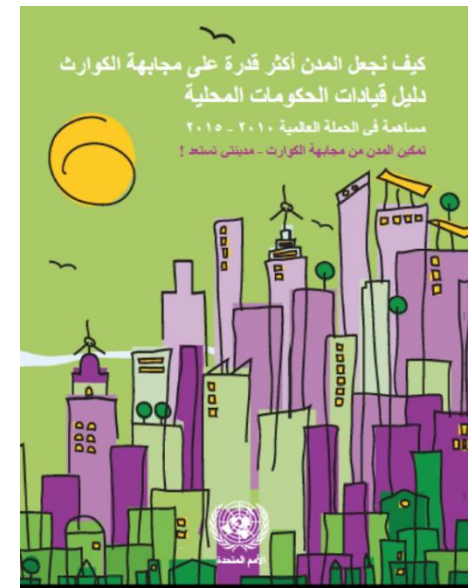
- ❑ National School of Administration
- ❑ Lebanese Army
- ❑ Ministry of Interior and Municipalities



Output 3: Building National Capacities at Central and Regional Levels

Resilient Cities

Over 300 municipalities from all regions of Lebanon have adopted the Global Resilient Cities Campaign.



Output 3: Building National Capacities at Central and Regional Levels Training of Trainers and Drills:

With the cooperation of Lebanese Army, Lebanese Red Cross, and Civil Defense at:

- ❑ Major universities
- ❑ Public institutions





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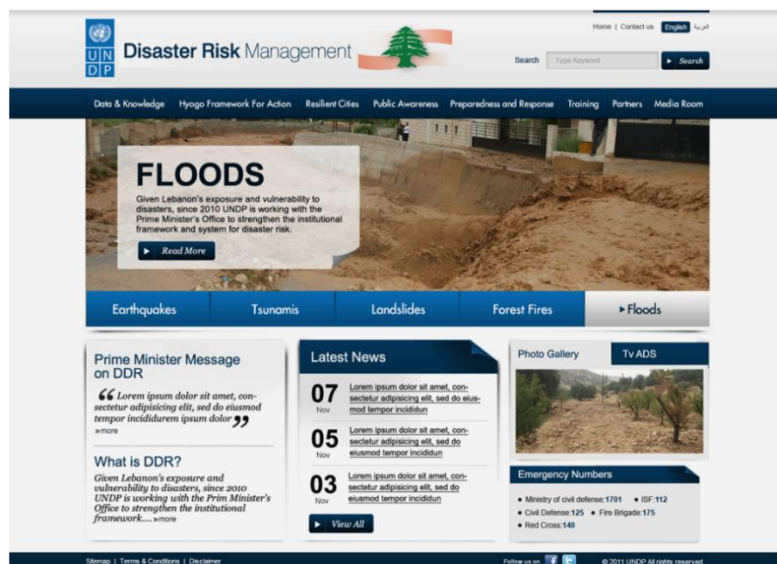
Output 3: Building National Capacities at Central and Regional Levels

GARD: Get Airports Ready for Disaster” (GARD)



Output 4: Public awareness on DRR raised

- Website
- Newsletter
- Workshops on DRR for the Media
- Workshops on DRR for the private sector



Output 4: Public awareness on DRR raised

□ IDRR Day





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Output 5: Engendering DRR Institutions and National and Local Plans

- Training of trainers for Women NGOs

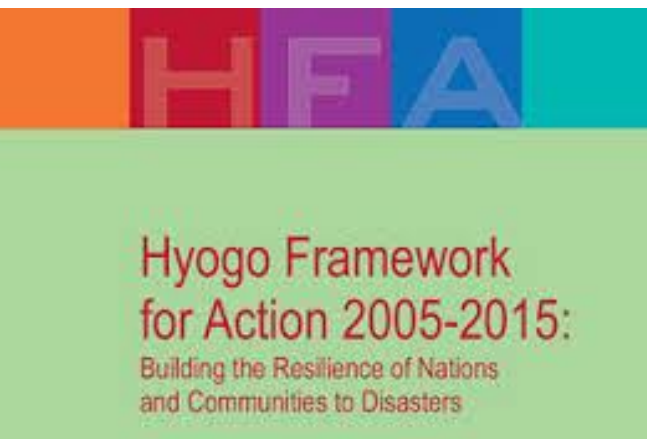


Phase 2 : (2013 – 2015) Project's Outputs

- Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase national resilience against disaster risks**
- Output 2: DRR considerations integrated into development planning of critical economic and social sectors to reduce vulnerability of development infrastructure and assets**
- Output 3: Local and community capacity for disaster risk reduction enhanced to reduce losses to life and property.**

Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- ❑ HFA progress report finalized and submitted to UNISDR
- ❑ Post 2015 HFA
- ❑ Parliamentarian discussions on proposal law



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- **3rd World Conference on Disaster Risk Reduction – 14 – 18 March 2015 - Sendai Japan**



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- **Support 18 stakeholders to attend the Global Platform in Geneva**



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- ☐ National Response Plan (NRP) Finalized



الإطار العام للاستجابة الوطنية خلال الكوارث والأزمات

خطة الاستجابة الوطنية خلال الكوارث والأزمات

2017 – 2012

الغلاف

الهيئة الوطنية لوضع خطة طوارئ لمواجهة الكوارث على أوسعها

Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- National Response Plan (NRP) Implemented
Table top Exercise



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- ❑ **National Response Plan (NRP) Implemented**
- National Simulation**



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- ❑ **Study tour to the Italian National Civil Protection Department.**
- ❑ **Enhancing Management of Emergencies**
- ❑ **Developing National Operations room**



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

□ National Operations ROOM



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- ☐ **DRR awareness of key stakeholders and general public**



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- ❑ **Disaster through a Media Lens Workshop**



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

□ IDRR Day



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

■ Preparedness and Awareness



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- ❑ **Early Recovery Workshop with UNISDR**
 - **Aspects of Recovery**
 - **Strategies and actions to “build back better”**
 - **The lessons from existing government initiatives**
 - **All participants included in the Roster of Experts**



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- Gender and DRR
- Collaboration with NCLW



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- DRR training curriculums



Output 1: Institutional mechanisms for DRM established with sufficient capacities to increase resilience against disaster risks

- DRR training curriculums



Output 2 : DRR Considerations integrated into development planning of critical economic and social sectors to reduce vulnerability of development infrastructure and assets

□ Flood hazard mapping assessment for Lebanon

- Prioritizing flood risk areas of hazardous rivers
- Producing recurrence flood plain maps
- Developing flood hazard intensity maps.
- Making maps available for decision makers & key stakeholders.



Output 2 : DRR Considerations integrated into development planning of critical economic and social sectors to reduce vulnerability of development infrastructure and assets

□ Development of the flood risk map for Lebanon

- Prioritizing flood risk areas of hazardous rivers**
- Producing recurrence flood plain maps**
- Developing flood hazard intensity maps.**
- Making maps available for decision makers & key stakeholders.**



Output 2 : DRR Considerations integrated into development planning of critical economic and social sectors to reduce vulnerability of development infrastructure and assets

- ☐ **Ministry of Education response plan and operation room**



Output 2 : DRR Considerations integrated into development planning of critical economic and social sectors to reduce vulnerability of development infrastructure and assets

- **Ministry of Agriculture response plan and operation room**



Output 2 : DRR Considerations integrated into development planning of critical economic and social sectors to reduce vulnerability of development infrastructure and assets

- ☐ **Ministry of Social Affairs response plan and operation room**





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Output 2 : DRR Considerations integrated into development planning of critical economic and social sectors to reduce vulnerability of development infrastructure and assets

- ☐ **Ministry of Public Health operation room**

Output 2 : DRR Considerations integrated into development planning of critical economic and social sectors to reduce vulnerability of development infrastructure and assets

- ☐ **GARD Implemented at BRHIA and RIAK Military Base Operation Room**





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Output 3: Local and community Capacity for DRR enhanced to reduce losses to life and property

Response plan to reduce vulnerabilities at the Regional and Local levels:

BEIRUT

- **Response Plan Accomplished**
- **Risk Assessment in Preparation**
- **Project proposal Submitted**



Output 3: Local and community Capacity for DRR enhanced to reduce losses to life and property

Response plan to reduce vulnerabilities at the Regional and Local levels

CAZA of BYBLOS

- **Risk Assessment accomplished**
- **Response Plan finalized**
- **Simulation Implemented**
- **Support 100 Resilient Cities Challenge**



Output 3: Local and community Capacity for DRR enhanced to reduce losses to life and property

**Response plan to reduce vulnerabilities at the
Regional and Local levels**

Mouhafaza of North

- Response Plan Developed**
- Table Top Exercise in Implemented**





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Output 3: Local and community Capacity for DRR enhanced to reduce losses to life and property

**Response plan to reduce vulnerabilities at the
Regional and Local levels
Mouhafaza of South**

- Response Plan Developed**
- Operation Room Established**
- Simulation Implemented**





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Output 3: Local and community Capacity for DRR enhanced to reduce losses to life and property

**Response plan to reduce vulnerabilities at the
Regional and Local levels**

**Caza of Metn, Caza of Shouf, Union of Municipalities of Tyre
- Response Plan in process**



Beyond 2015 Future Directions

Local Level: within the Aqaba Declaration on Disaster Risk Reduction in Cities

- Strengthening joining city to city cooperation in resilient cities
- Enhancing early warning and awareness
- Increasing resilience of hosting communities
- Targeting most vulnerable communities





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THANK YOU