LEBANON RECOVERY FUND

STRENGTHENING DISASTER RISK MANAGEMENT CAPACITIES IN LEBANON

Disaster Risk Management Unit
2015
Major Hazards that Threaten Lebanon

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

- 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
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
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
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
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
THANK YOU