Localized Early Warning System - Experience from Myanmar and Sri Lanka

Submitted by: Asian Disaster Preparedness Center
Asian Disaster Preparedness Center

Building Resilience through Innovation and Partnerships
Localized early warning system
Experience from Myanmar and Sri Lanka
EWS equipment distributions to the townships
Evacuation routing, mapping and creating SOPs for EW-EA
Simulation
Linking to the response chain and stakeholders
ADPC engagement in Sri Lanka

- Improved institutional linkages between international, regional EWS with national level EWS.
- Vulnerable areas to extreme coastal hazards identified and risk potential assessed.
- Improved EW dissemination by national warning centres and use of multi-hazard EW by at-risk communities for responding to coastal hazards.
- Improved policy environment and institutional arrangements for EW and responding to coastal hazards.
- Improved Policy and Practice guidance for communication & evacuation of persons with disabilities in EWS & emergency management.
• Risk Assessment and mapping
• Various threshold based Risk Maps produced for Cyclone (by wind speed)
• VHF Radio base stations are fully installed at local level to improve dissemination of the EW information;
• A VHF handing ‘User Guide’ developed in local language.
• Field level public meetings were held to create **awareness towards coastal hazard early warning**;

• **“Community Early Warning and Response Units”** were established involving the VDMCs, Youth Volunteer Units, Fisheries Cooperatives and respective DMC district units and collaboratively developed the cluster based evacuation maps, identification of safe sites and procedures for warning dissemination and evacuation to safer locations;
• Community level “Early Warning System Simulation and Response”
“Media and Awareness Guide and materials” with the input of a media consultant and in collaboration with the DMC media professionals; Over 10 additional interviews with various media professionals were conducted by the consultant;

Discussion held on production of some media and awareness materials: such as hazards specific posters and also a poster on the Persons With Disability (PWD) and EWS;

Global Alliance on Accessible Technologies and Environments (GAATES) has produced the “Environmental Scan” and “bibliography document” on the selected materials on disability-disaster and early warning;

“Guideline Manual on Inclusive Disaster Risk Reduction for Persons with Disabilities” is produced
Use of technology

Satellite Radar-derived Virtual Rain and Stream Gauge Data Service

This service provides near real-time rainfall and stream height data from publicly available satellite measurements by creation of a virtual network of rain gauges and stream gauges at points widely distributed over the entire Lower Mekong Region.

Launch Satellite Radar-derived Virtual Rain and Stream Gauge Data Service
Challenges and needs

• Legal framework
• Local capacity
• Resources
• Coordinated efforts
• Engagement of local businesses
About ADPC
Our Locations

Offices and representations:

- Bangkok, Thailand
- Dhaka, Bangladesh
- Yangon, Myanmar
- Colombo, Sri Lanka
- Phnom Penh, Cambodia
- Jakarta, Indonesia
- Bihar State, India
- Kathmandu, Nepal
- Manila, Philippines

Safer communities and sustainable development through disaster risk reduction
Partnerships
Core Principles

• Science
• Systems
• Applications
ADPC capacity building history

- **Over 30 years of experience** in disaster and climate risk management training
- **Offer short courses on 30 DRR related topics**
- **Over 4,000 alumni** around the world from our regional flagship training courses
- **Alumni network includes:**
  - government officials
  - Field practitioners
  - development partners
  - SMEs
  - media professionals
Regional Consultative Committee (RCC) on Disaster Management

A mechanism for regional cooperation
THANK YOU
FOR YOUR ATTENTION

http://www.adpc.net
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