Non structural flood management measures in the Lower Mekong Basin

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The LMB Vulnerabilities
Occurrence of natural disasters in the LMB

Flooding in the LMB

• Annual floods have the potential to cause damage to unprepared communities, spoil crops and endanger food security, they also play a vital role in agriculture.

• The average annual cost of the repercussions of floods in the Lower Mekong Basin (LMB) ranges from US$60 to 70 million, while on the positive side of the ledger, the average annual value of flood benefits is approximately US$8-10 billion.

• The goal – and challenge – of flood management is to reduce the costs and impacts of flooding while preserving the benefits.
Examples of non structural measures in the LMB
Education - Cambodia

• Capacity local authorities/stake-holders/communities on flood preparedness and flood early warning & dissemination is enhanced.
• A training package and guidebooks, poster and leaflet are developed and widely published
• Reinforced communication and cooperation among concerned bodies in their communities
Non structural measures- Laos

- Improving forecasting models and procedures at Department of Meteorology and Hydrology;
- Establishing Sustainable Financing Policies and Regulations for River Basin Organizations
Non structural Measure - Vietnam

- Complete system of legal documents
- Complete the organization’s structure and mechanism
- A program of master plan making and reviewing in short-term and long-term:
  - Define and map areas highly prone to disaster;
  - Review and amend:
    + The residential planning;
    + The river and sea dyke system planning;
    + The land use planning; The forest development planning;
    + The integrated exploitation planning of river basins.
  - Select cropping calendars, cropping patterns, crop varieties, and crop diversification etc... which take into account likely climate change impacts.

- A program of capacity building, forecasting and warning
- Improve the communities’ awareness
- Afforest and protect upstream forests.
- Improve the management capacity.
Non structural Measure - Vietnam

Swimming Exercises for Childrens in Flood Areas

Giving Life-Preserver

Flood Warning Board

Posters of Flood and Storm Prevention and Response
Non structural Measure - Vietnam

Workshop Protective Forests

Flood and Storm Prevention and Response Exercises

Select and changing crop calendar's and patterns
Non structural Measure - Vietnam

Roving Medical Boat

Media and Communication