

# Building Flood Preparedness and Risk Reduction Systems at National, Provincial, District and Commune Levels in the Lower Mekong Basin

## Lessons Learnt and Way Ahead

### Component 4: Flood Emergency Management Strengthening Flood Management and Mitigation Programme

# Flood Preparedness and Emergency Management Strengthening in the Lower Mekong Basin

- Mekong Flood in Year 2000 and 2001-2002 triggered paradigm shift from response to preparedness
- Evolution of Regional Flood Management and Mitigation and partnerships by regional agencies such as MRC, ADPC and many more.
- **Commitment by Member Countries** (Cambodia, Lao PDR, Thailand and Viet Nam) to take drastic steps towards the reduction of damages to infrastructure, economic losses and loss of lives and livelihoods as a result of extreme floods
- **Priorities identified by Development partner organization** for strengthening capacities at National , Province, and District level

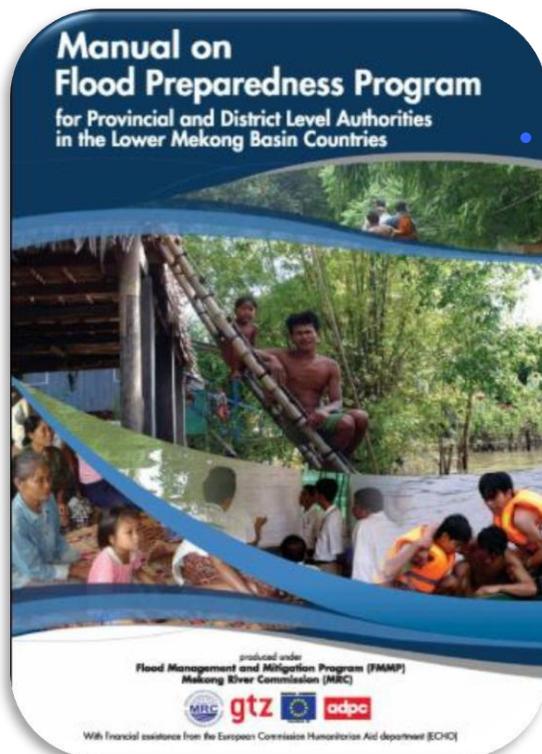


Core Area of intervention	Key Activities
1	<p><b>Flood Preparedness Programs (FPP) Development</b></p> <p>Annual and Multi-year Disaster Risk Reduction Plans at Province and District , Clear roles and responsibility for each line ministries, Multi-Hazard risk profile and identification of flood focused measures</p>
2	<p><b>FPP Implementation</b></p> <p>Innovate partnership and cost-sharing implementation of flood risk reduction measures i.e., Emergency Kindergarten, Safe Area, Search and Rescue etc.</p>
3	<p><b>Capacity Building for Flood Risk Reduction</b></p> <p>Enhanced capacity of provincial, district, commune level disaster management authorities on Planning for Flood Preparedness and Emergency Management , Community Based Flood Management, Search &amp; Rescue, Swimming Lesson and Teachers Training</p>
4	<p><b>Flood Awareness and Education</b></p> <p>Partnership and capacity building of relevant line ministries such as Education and Training and Information and Culture on flood awareness activities i.e., Posters and Information Booklet, Cultural Shows, Flood Information Billboards etc</p>
5	<p><b>Flood Knowledge Sharing and Documentation</b></p> <p>Regional and National Workshops/Forums , Safer Communities series Case Studies on innovative flood risk reduction practices</p>
6	<p><b>Integration of Flood Risk Reduction into local development planning process</b></p> <p>Sectoral Plans and implementation of Flood Risk Reduction through commune development planning. National and Provincial consultation and development of Approach and Strategy paper on integration of flood risk reduction into development planning process.</p>
7	<p><b>Trans-boundary Cooperation</b></p> <p>Province to Province cooperation meeting (Viet Nam - Cambodia and Thailand-Lao PDR), Joint-Planning for flood Information and resource sharing</p>



# 1. Development of Flood Preparedness Programs

- Annual or Multi-year Disaster Risk Reduction Plans at Province and District level
- Clear roles and responsibility for each line ministries,
- Systematic inventories of resources
- Actions to be taken before, during and after floods
- Identification of flood focused measures



## 2. Implementation of Flood Priority Activities

Innovate partnership and cost-sharing implementation of flood risk reduction measures i.e., Emergency Kindergarten, Safe Area, Search and Rescue etc.



### 3. Building Capacities at Sub-National levels

Enhanced capacity of provincial, district, commune level disaster management authorities on *Planning for Flood Preparedness and Emergency Management*, *Community Based Flood Management*, *Search & Rescue*, *Swimming Lesson for Children and Teachers* *Training on School Flood Safety*



# 4. Raising Flood Awareness and Public Education

Partnership and capacity building of concern line ministries on flood awareness activities i.e., Posters and Information Booklet, Cultural Shows, Flood Information Billboards etc

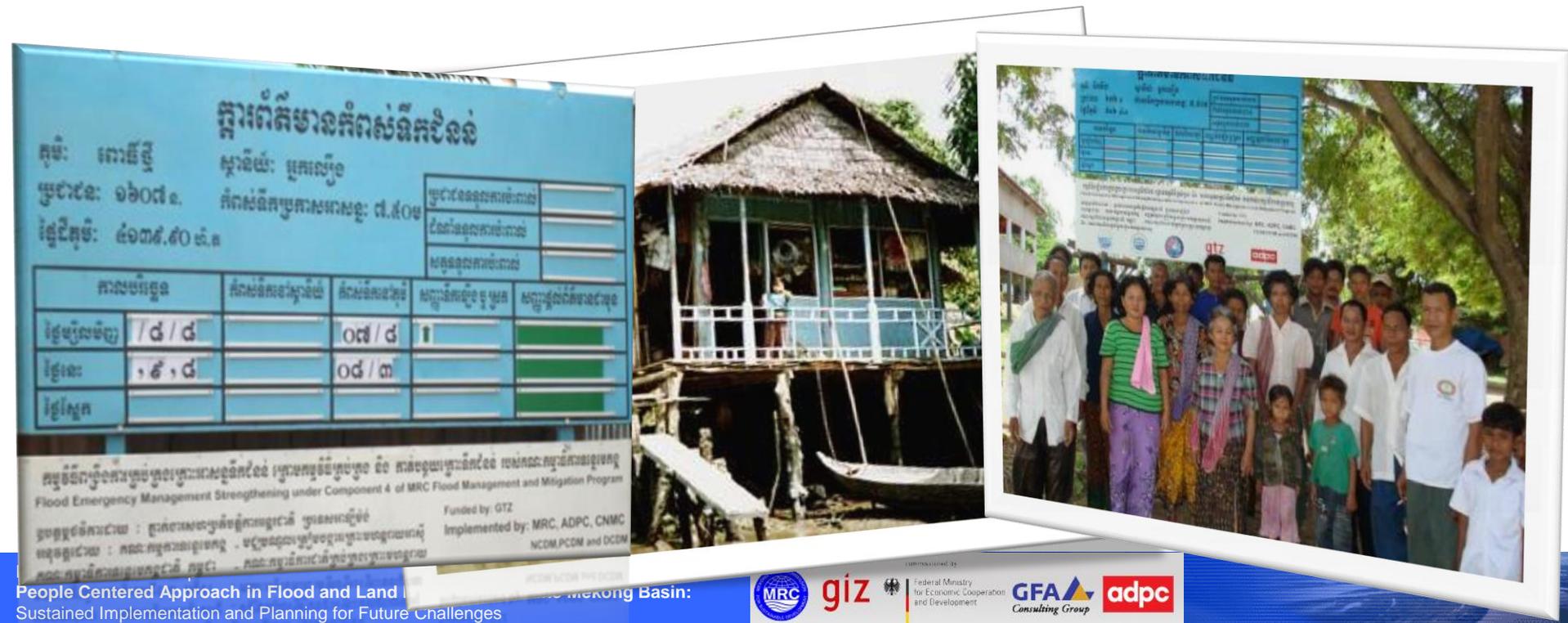
Promoting partnerships between local authorities and private sectors for public awareness activities



# 5. Improved Access to and Dissemination of Flood Early Warning

Flood Information Boards and Flood Marks are seen as a good tool for flood preparedness by vulnerable communities

Local authority and community people effectively prepare for, respond to and cope with flood



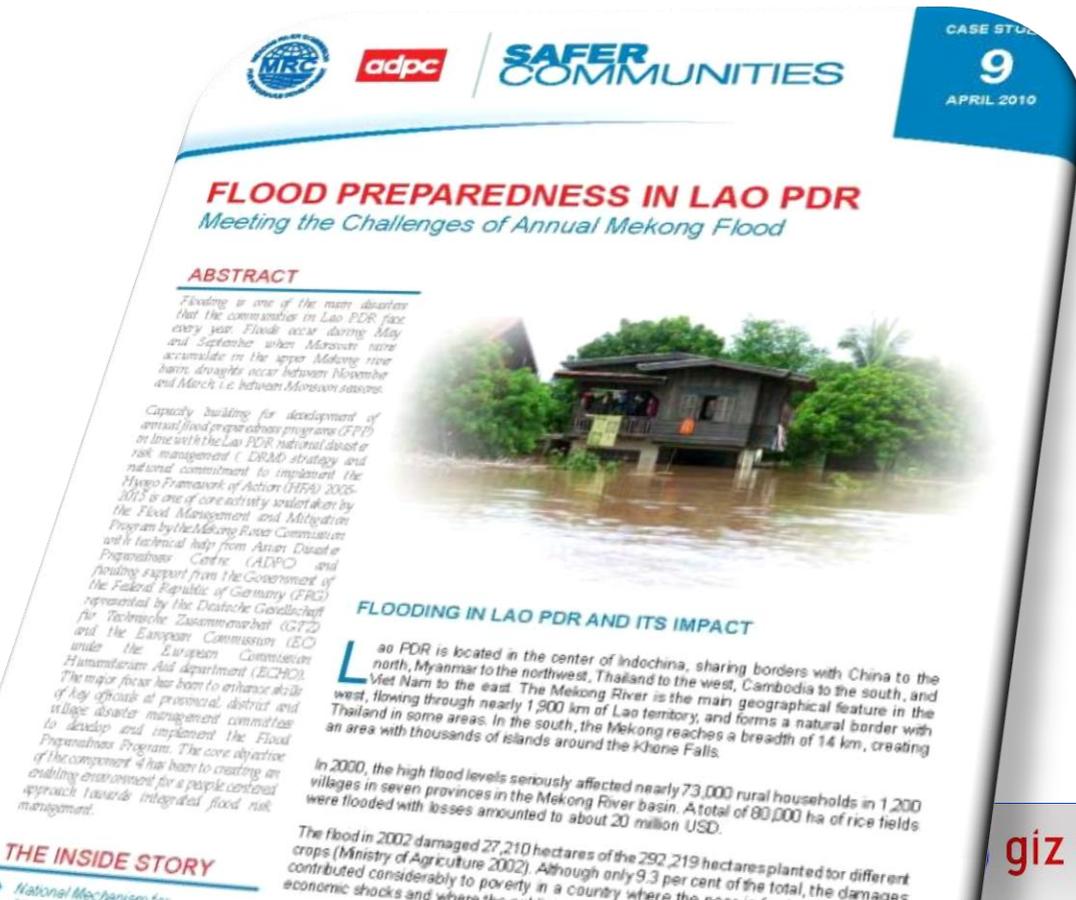
# 6. Integration of Flood Risk Reduction into Local Development Planning

Implementation of Flood Risk Reduction measure through local socio economic development planning.



# 7. Flood Information dissemination and Knowledge Sharing

- Good practice documentation through Safer Communities series on innovative flood risk reduction in the LMB
- Regional and National Workshops/ National Flood Forums



# 8. Province to Province trans boundary cooperation in flood preparedness and emergency management

- Province to Province cooperation meeting (Vietnam - Cambodia and Thailand-Lao PDR),
- Joint-Planning for Information and Resource sharing during flood season
- Cross country study visits



# Partnership with National Agencies



**Cambodia National Mekong Committee (CNMC)**  
# 23 Mao Tse Toung Road  
Phnom Penh, Cambodia  
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## Cambodia



**National Committee for Disaster Management (NCDM)**  
Street 516, Sangkat Toul Sanke, Khan Russy Keo  
Phnom Penh, Cambodia  
Tel/Fax (855) (23) 882 045



**Lao National Mekong Committee (LNMC)**  
Director General of Department of Water Resources (WREA)  
Prime Minister's Office, Lanexang Avenue, Vientiane, Lao PDR  
Tel.: (+856 21) 260 981-3; Fax: (+856 21) 260 984

## Lao PDR



**National Disaster Management Office (NDMO)**  
Ministry of Labor and Social Welfare, Lao PDR  
Tel: (856-21) 219 450; Fax: (856-21) 213 287



**Thai National Mekong Committee (TNMC)**  
180/3 Rama 6 Road, Soi Phibul Watana Building  
Phayathai, Bangkok 10400, Thailand  
Tel.: (+66 2) 271 6165 / 271 6620; Fax: (+66 2) 271 6605

## Thailand



**Department of Disaster Prevention and Mitigation (DDPM)**  
3/12 Uthong-Nok Road, Dusit, Bangkok, 10300, Thailand  
Tel. 02-637-3381; Fax. 02-2432209



**Vietnam National Mekong Committee (VNMC)**  
No. 23 Hang Tre, Hanoi, Vietnam  
Tel: 84 4 3825 4785 Fax: 84 4 3825 6929  
Liaison Office: No. 135 Pasteur, District 3, Ho Chi Minh City  
Tel: 84 8 38 272 652; Fax: +84 8 38 272 609

## Vietnam



**Department of Dyke Management and Flood Storm Control (DDMFSC)**  
No. 02 Ngoc Ha, Ba Dinh Hanoi, Vietnam  
Tel: 84 4 3733 5686; Fax: 84 4 3733 5701

# Partners involved and supported in Implementation

- Red Cross Societies and IFRC
- Non-Government Organizations
- Mass organizations working
- UN Agencies
- World Bank / Asian Development Bank
- Technical Institutes (Mekong Institute, Mekong Development Research Institute, Can Tho University, Southern Water Resource Institute, An Giang University)
- Donors interested in the Basin working on FMM

# Key Lessons

- **Confidence** building in Local Authorities and Communities on DRR takes time but rewarding
- **Information sharing, understanding and cooperation** between the line departments at the provincial, district and commune levels as well as other Stakeholders is crucial
- Planning and follow-up implementation enables the line departments to **recognize their extended roles in Disaster Preparedness and the possibility of mobilizing internal resources;**
- **Partnerships** at National and Provincial level is the key to up scale implementation , dissemination and integration of disaster preparedness activities
- **Linkages** with on going programs of Governments, NGOs and other Donor programs is important but often difficult

# Way Ahead

- **Integrated approach to Flood Preparedness and Emergency Response** incorporating effects of climate change and other environmental risks.
- **Up scaling (geographical + thematic areas)** with lead in implementation by the National authorities and linking with ongoing programs at different levels of authority (national, provincial, district and commune)
- **Build synergies between national and local interventions** by involving other stakeholders (NGOs, UN and Bilateral Donors), and continue networking, sharing of experience; continued development and dissemination of tools

# Way Ahead

- **Enhance linkages between national flood forecasting centers and local levels for early warning dissemination, thereby particularly focusing on the strengthening of capacities at local levels**
- **Build synergies between national and local interventions by involving other stakeholders (NGOs, UN and Bilateral Donors), and continue networking, sharing of experience; continued development and dissemination of tools**