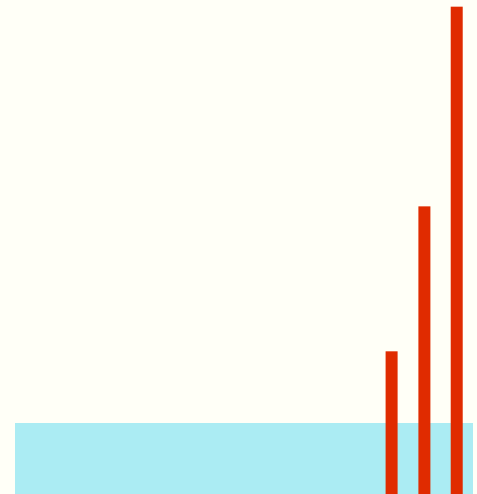




# Meeting Local Needs for Flood Preparedness Programs at Provincial and District Levels in the Lower Mekong Basin- MRC/ADPC Experiences

Mekong River Commission (MRC)  
Asian Disaster Preparedness Center (ADPC)

4<sup>th</sup> Annual Mekong Flood Forum  
18-19 May 2006, Siem Reap, Cambodia





# Presentation Outlines

- The Projects
- Objectives of the projects
- Project Partners
- Overview
- Project Outreach
- Project Activities
- Progress and achievements
- Continuing Needs and Challenges
- Next steps

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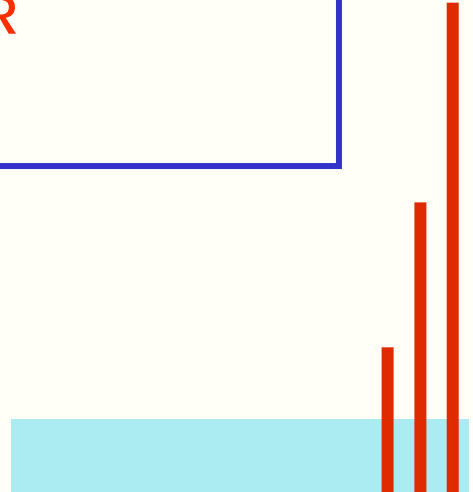
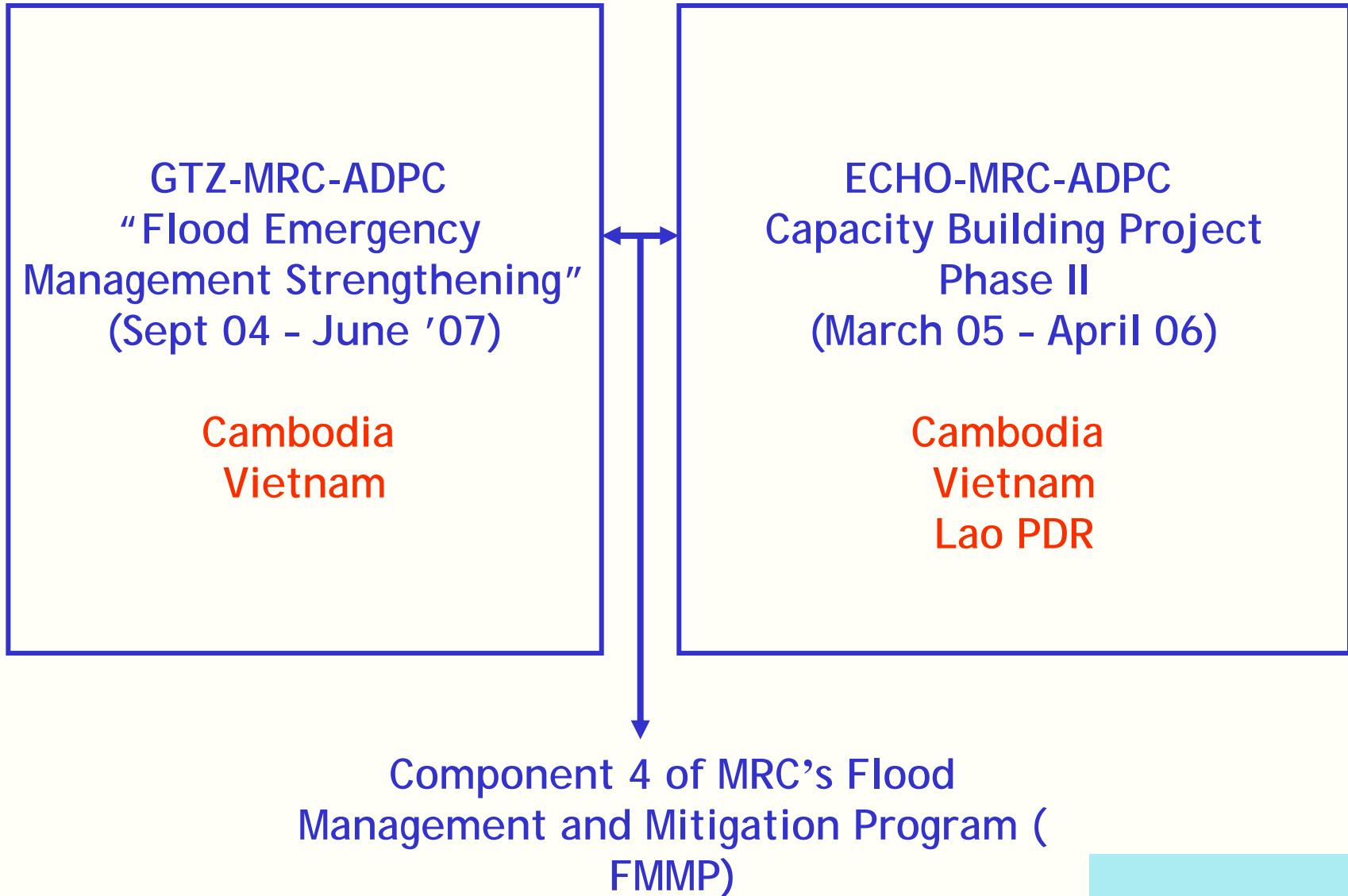


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# The Projects





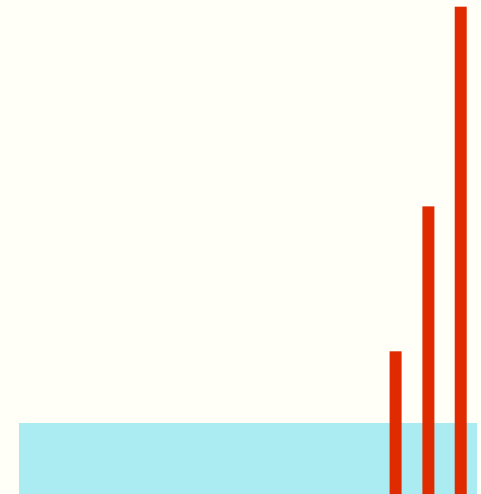
# Objectives

## Principal Objective

*“Emergency management systems in riparian countries are more effectively dealing with floods in the Lower Mekong Basin.”*

## Specific Objective

*“Competence of civil authorities at various levels, emergency managers, and communities in flood preparedness and mitigation is strengthened”*





# Project Partners

- National Mekong Committees (CNMC, VNMC and LNMC)
- National Disaster Management Agencies (NCDM- Cambodia, DDMFC - Vietnam and NDMO-Lao PDR)
- Provincial and District Committees on Disaster Management in Cambodia (PCDM/DCDM), Vitenam (PCFSC and DCFSC) and Lao PDR (PDMC and DDMC)
- National Hydro-Met Agencies
- National Red Cross societies and their provincial and district chapters
- Partner NGOs
- Mass Organizations



# Overview

- Development of provincial and district flood preparedness programs
- Provision of flood preparedness trainings
- Direct involvement in development and delivery of trainings
- Direct involvement in preparation of public awareness raising activities



In collaboration with partner NGOs & NMCs

- National, provincial and district DM officers
- Members of PCDM and DCDM



Implementation of FP Programs



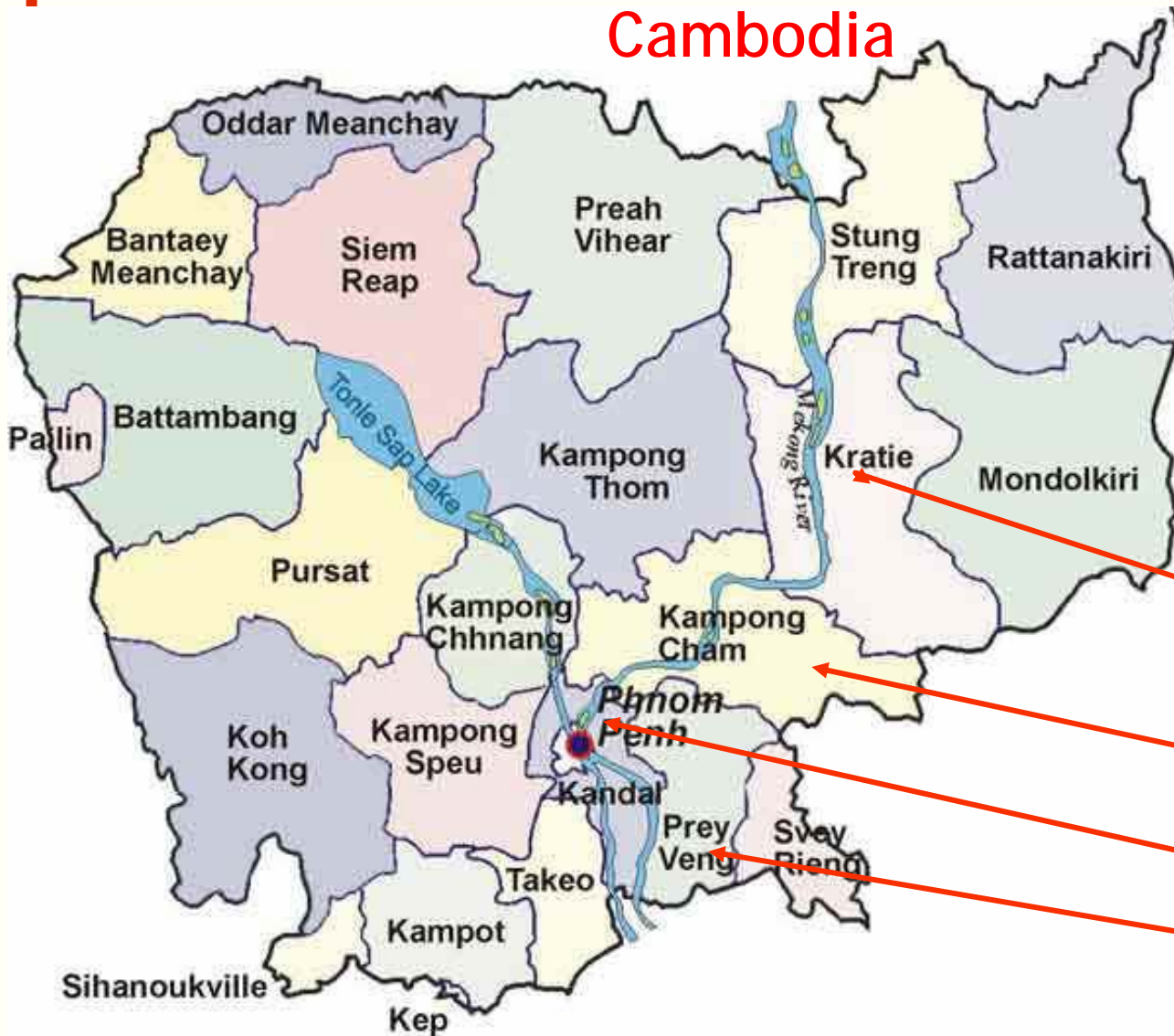
In collaboration with partner NGOs & NMCs

Ultimate beneficiaries  
Communities living in the target areas



# Project Outreach

## The Kingdom of Cambodia

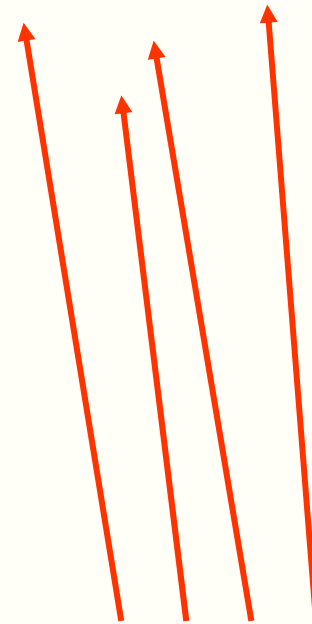


Selected Provinces

1. Kratie
2. Kampong Cham
3. Kandal
4. Prey Veng

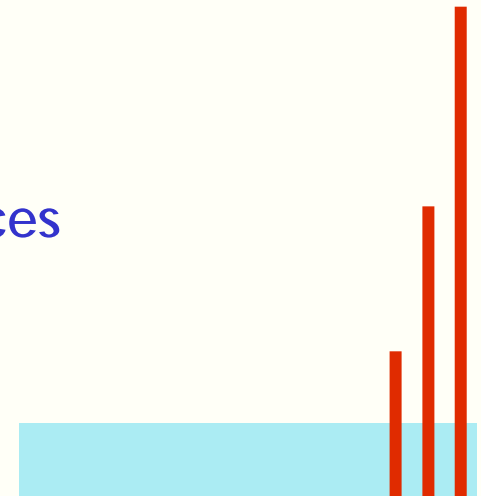


# Project Outreach Vietnam



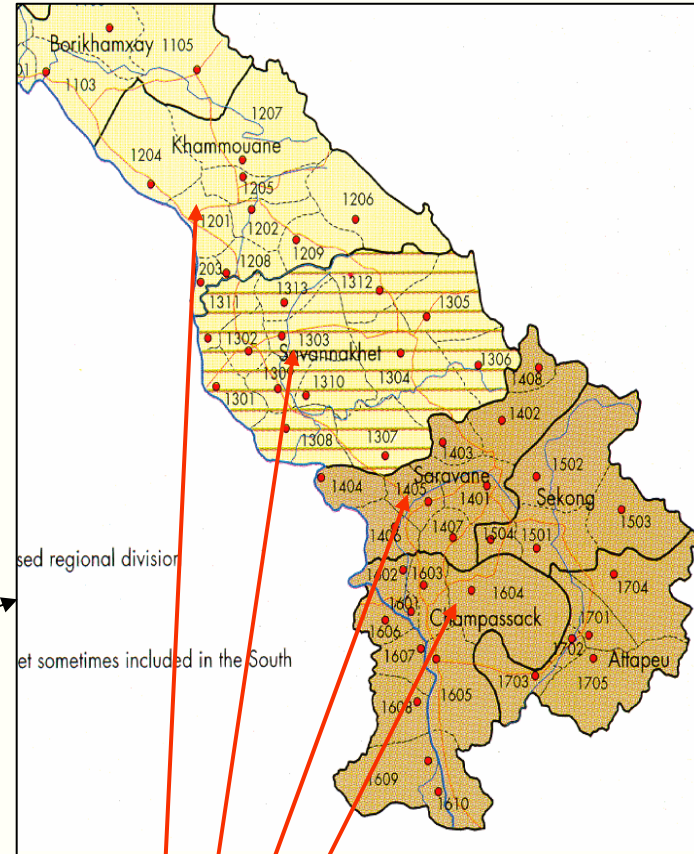
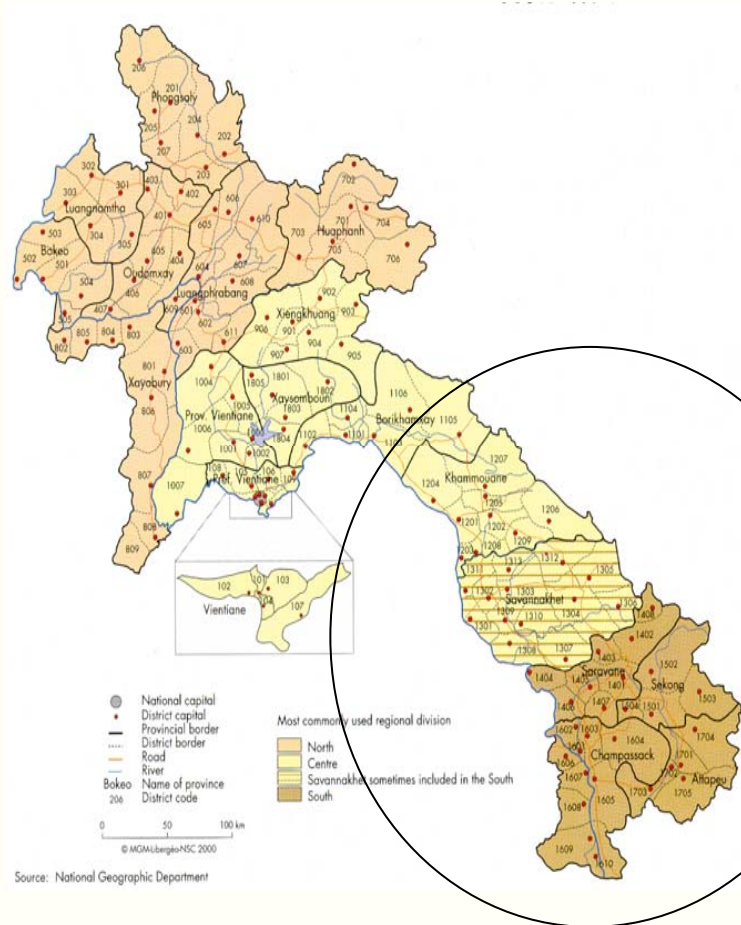
## Selected provinces

1. Tien Giang
2. Can Tho
3. An Giang
4. Dong Thap





# Project Outreach Lao PDR



## Selected provinces

1. Champassack
2. Khammouane
3. Savannakhet
4. Saravanh





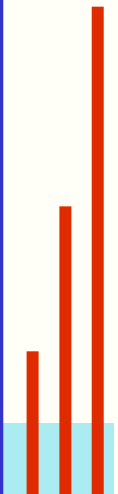
# Project Activities

## “Flood Emergency Management Strengthening”

- Flood preparedness programs developed and implemented in target provinces & districts
- National capacities developed to support the FP programs
- Public awareness campaign conducted
- Regional knowledge sharing in FP Facilitated
- Province-to-province trans-boundary emergency assistance facilitated

## “Capacity Building Project Phase II”

- Adaptation of Training Course Curriculum for use at Provincial and District level
- Conduct of 5 provincial training courses in Cambodia , Vietnam and Lao PDR
- Support to preparation and initial implementation of FP programs in
- Kratie District, Kratie province of Cambodia



# Progress and Achievements



## “Flood Emergency Management Strengthening”

- Provincial and District Flood Preparedness Programs developed.
- The capacity of DM committees in target Provinces/Districts are being strengthened to implement the FP programs.
- Institutional Role Analysis for FPP capacity at Province level completed.
- Public awareness campaigns under development.
- Commencement of FPP implementation

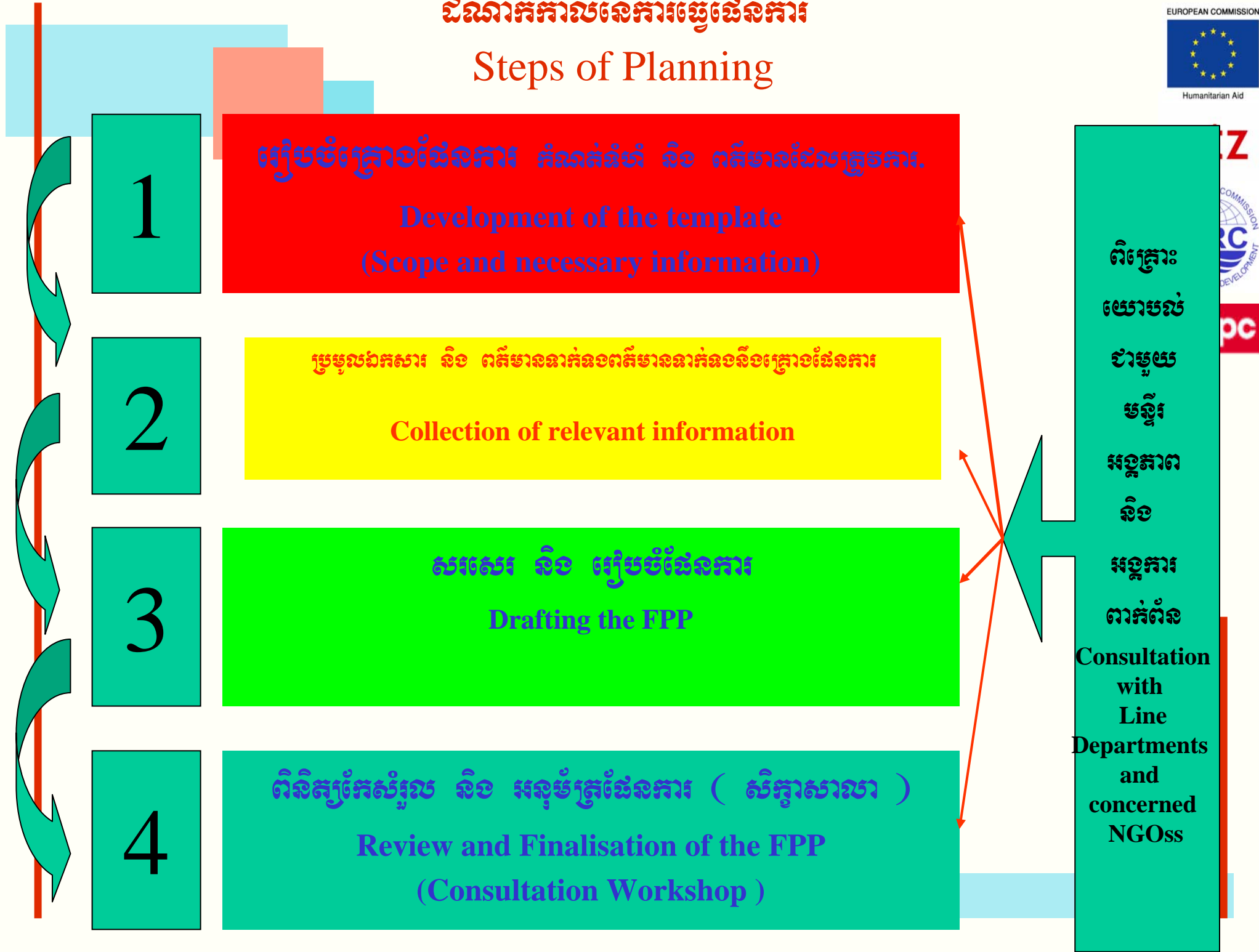
## “Capacity Building Project Phase II”

- Training Course Curriculum adapted in English, Khmer, Vietnamese and Lao languages.
- 5 provincial level trainings (each of 4 days duration) conducted in Cambodia , Vietnam and Lao PDR.
- Kratie District DM authorities in Cambodia being selected for preparation and implementation of District FP programs.
- Follow up activities for the replication of FPP trainings undergoing.



# ដំណាក់កាលនៃការធ្វើផែនការ

## Steps of Planning



1

រៀបចំគ្រោងផែនការ កំណត់ទំហំ និង ព័ត៌មានដែលត្រូវការ.  
Development of the template  
(Scope and necessary information)

2

ប្រមូលឯកសារ និង ព័ត៌មានទាក់ទងព័ត៌មានទាក់ទងនឹងគ្រោងផែនការ  
Collection of relevant information

3

សរសេរ និង រៀបចំផែនការ  
Drafting the FPP

4

ពិនិត្យកែសម្រួល និង អនុម័តផែនការ ( សិក្ខាសាលា )  
Review and Finalisation of the FPP  
( Consultation Workshop )

ពិគ្រោះ  
យោបល់  
ជាមួយ  
មន្ទីរ  
អន្តរាគមន៍  
និង  
អង្គការ  
ពាក់ព័ន្ធ  
Consultation  
with  
Line  
Departments  
and  
concerned  
NGOss



# Provincial Flood Preparedness Program

## Prey Veng Province

2006

Prepared  
by  
Provincial Committee for Disaster Management  
Prey Veng Province  
Cambodia

17 March 2006

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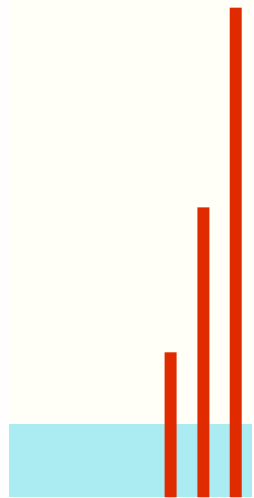


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# Table of Contents

1. Introduction
2. Provincial Profile
  - 2.1 Geography and Land Size
  - 2.2 Population
  - 2.3 Main Rivers and other Water Sources
3. Hazard, Vulnerability and Capacity Analysis
4. Institutional Mechanism and Management
  - 4.1 Provincial Committee for Disaster Management (PCDM)
  - 4.2 Provincial Disaster Management Teams
  - 4.3 Standard Operation Procedures for Preparedness, Response and Rehabilitation
5. Flood Preparedness (Before flood)
  - 5.1 Capacity Building of PCDM members at all levels
  - 5.2 Public Awareness Raising
  - 5.3 Early Warning System Establishment and Flood Marks Installation in Target Villages and Communes



# Table of Contents (Continued)

- 5.4 Management of Stockpiling
- 5.5 Development of Search & Rescue Strategies
- 5.6 Safe Area Management is initiated before flood season
- 5.7 Information Management
- 6. Emergency Respond Operations (During Flood)
- 7. Rehabilitation after Flood
- 8. Flood Risk Reduction Measures (Long Term Preparedness)
- 9. Annexes
  - a. List of important institutions or organizations
  - b. Provincial Maps
  - c. Other documents such as: Decree, Decree, Sub Decree and Order to establish Committees for Disaster Management at various levels



# Flood Early Warning and FPP

- Questions from the Communities
  1. *When will my village be flooded? For how long and at what depth?*
  2. *Will my children be endangered?*
  3. *Should rice paddies be harvested earlier?*



# Flood Early Warning and FPP

Flood early warning system: a chain of actions

- 1) Meteorology and meteorological forecasting,
- 2) Hydrologic and hydraulic modelling (incl. collection and treatment of data),
- 3) Transformation of the forecast into warning and
- 4) Getting the warning to the people

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# Continuing Needs and Challenges

- A well-developed FPP at local levels
- Flood forecasting activity fully integrated into the FPP
- A functioning and sustained institutional mechanism committed to maintain the FPP process and implement the action plans
- Flood forecasting/early warning system , designed to meet the need of communities at risk. Local people's involvement in the development of the early warning system. Demand-driven approach should be applied.
- Education and training: of school children, training programs for understanding flood warnings and flood related information products
- Public access to information (e.g. posters and brochures in the native language



# Continuing Needs and Challenges

- Information dissemination: upgrade communication equipment and system,
- Emergency plans and train how to use them
- Linking the early warning information into people's livelihoods, e.g. village flood extent map related to 1) existing resources and agricultural practices of villages, 2) safe heavens and evacuation routes, 3) food stockpile, 4) health centres, schools, emergency kindergarten, latrine and pump well, etc.
- preparation for emergencies: stocking of food stuff, medicines, set up coordination with emergency assistant organizations on the local level, establish ways of interaction of local responsible persons with the national and regional warning centers, provide them with equipment for emergency operation
- Linking flood forecasting with flood risk mapping activities and using flood maps for Flood Preparedness Planning and implementation at all levels



A scenic landscape featuring a wide body of water in the middle ground. On the right side of the water, there is a prominent tree with dense green foliage. The foreground is dominated by a field of tall, green grasses with some brown seed heads. The sky is filled with heavy, grey clouds, suggesting an overcast day. The overall mood is serene and natural.

*Thank You*