

# Ninth Regional Training Course on Flood Disaster Risk Management (FDRM-9)

Organized by  
Asian Disaster Preparedness Center  
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Bangkok, Thailand

## PERSPECTIVE

Asia is the most disaster prone region in the world. Among the natural hazards that annually impact the region, flood is known to be the most destructive to property, crops and infrastructure, and one of the worst for causing death and injury. The need to combat the perennial problem of floods and the resultant destruction has been at the forefront of concern for most Asian nations. The Flood Disaster Risk Management course offers an integrated approach to respond to this situation. Using lessons learned from both successful and failed experiences with structural, non-structural and hybrid structural strategies, the course enables the participants to understand and analyze causative factors and create recommendations appropriate to his/her country's flood situation.

## COURSE FRAMEWORK

The Flood Disaster Risk Management course is an integrated approach to the development of flood risk reduction strategies that involve engineering, settlement, development, public administration, and community-based strategies and land use planning with environmental consideration. This multi-disciplinary treatment of the flood problem and flood risk management enables a holistic view of the situation and the needed preparedness measures. Case examples of various responses at the national and local levels are presented to give the mitigation measures concrete applications.

## COURSE PRECIS

The FDRM has six modules that impart the information and skills in flood problem analysis, understanding and appreciation of the various approaches to flood risk reduction, determination of appropriateness of the strategies and/or measures to achieve the desired goal of flood risk/damage reduction. The training methodology includes interactive lectures, film/slide shows/ presentations, workshops, individual and group work, case studies, plenary sessions and field visits.

## COURSE CONCENTS

### Module 1: Introduction to Integrated Flood Risk Management

- ✓ Basic Concepts and Terminologies in Disaster Management
- ✓ Hydro-Meteorological Hazards, their Formation and Predictability
- ✓ Flood Disaster Situation in Asia
- ✓ Nature and Causes of Floods and Secondary Hazards

### Module 2: Assessing the Risk

- ✓ Hazard Assessment
- ✓ Vulnerability and Capacities Assessment
- ✓ Process for Risk Assessment
- ✓ Community-based Risk Assessment

This module concludes with a simulation exercise on Risk Assessment.

### Module 3: Risk Mitigation

- ✓ Flood Plain Management (Land-use Planning)
- ✓ Structural Interventions
- ✓ Flood-proofing in the Multi-Hazard Environment

- ✓ Non-Structural Intervention: An overview of Integrated Watershed Management
- ✓ Urban and Rural Development Planning
- ✓ Public Awareness and Capacity Building

This module concludes with a simulation exercise on Risk Mitigation.

### Module 4: Flood Disaster Preparedness Planning and Emergency Response

- ✓ Flood Preparedness Framework
- ✓ Flood Forecasting and Early Warning Systems
- ✓ Planning for Emergency Response
- ✓ Emergency Response Management
- ✓ Evacuation Process
- ✓ Search and Rescue
- ✓ Environmental Health

This module concludes with a simulation exercise on Preparedness Planning.

### Module 5: Recovery and Rehabilitation

- ✓ Concepts of Recovery and Rehabilitation
- ✓ Assessments of Damages
- ✓ Management and Sustainability of Recovery and Rehabilitation activities

### Module 6: Cross-Cutting Issues

- ✓ Economics of Flood Risk Management
- ✓ Economic Analysis: Costs and Benefits of Floods and Flood Risk Management
- ✓ Existing Financing Flood Risk Reduction Programs and Funding
- ✓ Trans-Boundary Issues
- ✓ Governance
- ✓ Gender issues

**Note: The curriculum shown is for guidance only. ADPC's ongoing course improvement process may lead to some changes in topics and structure.**



### **MATCHING PARTICIPANTS' NEEDS**

Participants will be asked to send details of their disaster risk management responsibilities to ADPC as part of the course nomination process. This information will be utilized by presenters and resource persons prior to and during the course to ensure that course materials and activities are tailored to participants' needs wherever possible.

### **PARTICIPANTS**

This course is designed for the disaster manager with flood hazard in his/her sphere of responsibility. Although the Asia-Pacific Region is the focus, participants from areas outside this region are welcome to join the course. Participation of elected and appointed national and local (city/town) administrators, the development and planning authorities, water engineers and flood control professionals, national agencies' officials and staff in urban planning, housing, public works, and water resource development and management is especially encouraged. The course is certain to benefit private land and settlement developers, officials and personnel of relief and rehabilitation agencies, the United Nations and similar international bodies, and NGOs involved in disaster mitigation.

As course participants come from a diverse range of countries and organizations, and the class size is limited to thirty persons, ADPC accepts nominations from Asia and the Pacific, provided the applicant meets the requirements. A limited number of participants from other regions will also be accepted, on a case by case.



### **BENEFITS OF THE COURSE**

The Course is linked to a number of current ADPC flood-related initiatives, including the Flood Preparedness Information Network (FINE) in South Asia; the Extreme Climate Events (ECE) program; and the cooperation between ADPC and Mekong River Commission.

### **LANGUAGE**

All teaching and course materials are in English, so it is essential that participants are fully conversant in English.

### **RESOURCE PERSONS**

Internationally experienced practitioners and experts from ADPC and our partner organizations conduct and facilitate the FDRM course.

### **COURSE FEE**

The course fee is US \$ 2,000 per participant, which includes the cost of tuition, course materials (books, CD, handouts), break refreshments and study visit. An additional amount of US\$ 40 is payable as Admission Fee. Participants can access ADPC library which contains over 6000 entries, including 500 videos on disaster management.

### **PAYMENT**

The payment should be made by bank transfer or international demand draft (DD) at least one month prior to course commencement so it must be received by ADPC not later than 5th of September 2008. Otherwise, the participation will be cancelled. Personal checks are not acceptable.

### **BOARD AND LODGING EXPENSES**

Food is reasonably priced in Thailand at about US\$ 5-10 per meal. The room rate is approximately US\$ 50-60 per night for single room and US\$ 30-40 per person for shared accommodation.

Participants are required to stay at the hotel where the training is held. As far as possible ADPC will arrange accommodations for all Participants as per their preference of single or double room mentioned in their application form, but cannot guarantee a share accommodation if there is no partner to share the room.

Participants are responsible for funding their accommodation, meals and travel to and from the training venue, including transportation from and to airport and are also responsible for arranging their own travel and health/accident insurance.

### **REGISTRATION**

Interested persons can apply as individuals although preference will be given to those sponsored by the organizations. For those applicants, a letter of endorsement/ sponsorship from the organization is required to be submitted.

Application Form is available on the ADPC website, <http://www.adpc.net>, and can be submitted before 31 August 2008 by mail, fax or email (See contact details below).

Pre-course information will be provided once you have received the acceptance for the course.

### **CANCELLATION**

If you are unable to attend, a substitute applicant from your organization is welcome. Cancellation of attendance should be notified 3 weeks prior to course commencement; in which case, 85% of course fee will be reimbursed. No reimbursements will be made for cancellations within 3 weeks prior to course commencement.

### **ADPC ALUMNI LEAGUE**

ADPC Alumni occupy leadership positions across numerous sectors in at least 50 countries of the Asia-Pacific Region. Many of them play pioneering and institution-building roles, and have contributed significantly to the enhancement of disaster management capabilities in the region. They retain their links with ADPC and many are actively involved in partnerships facilitated by ADPC at the regional and national levels. Successful completion of the course will qualify you to join in this distinguished and rich heritage, which is continually enriched by new inductees. We look forward to welcoming you to this league!

### **ASIAN DISASTER PREPAREDNESS CENTER**

Established in 1986, ADPC is the lead regional resource center dedicated to disaster risk reduction in Asia and the Pacific. ADPC works with governments, NGOs and communities of the Asia and Pacific region to strengthen their capacities in disaster preparedness, mitigation and response through professional training, technical assistance, regional program management, information and research.



### **CONTACT ADDRESS**

Falak Nawaz  
The Manager  
Training Resource Group  
Asian Disaster Preparedness Center (ADPC)  
P.O. Box 4, Klong Luang  
Pathumthani 12120, Thailand  
Tel: (66 2) 516 5900-10 ext. 333, 328, 153, 432  
Fax: (66 2) 524 5360, 524 5350, 524 5382  
Email: [tedadpc@adpc.net](mailto:tedadpc@adpc.net)  
Website: <http://www.adpc.net>