

## **Eighth Regional Training Course on Flood Disaster Risk Management (FDRM-8)**

*Organized by*

**Asian Disaster Preparedness Center**

*16<sup>th</sup> - 27<sup>th</sup> October 2006*

*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 global deaths due to flooding rank second only to storm surges, which can be considered a type of flash flood, but is presently not classified as a flood disaster. The need to combat the perennial problem of floods and the resultant destruction has been at the forefront of concern of 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 analyse causative factors and create recommendations appropriate to his/her country's flood situation.

### **COURSE FRAMEWORK**

The Eighth 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 of the requirements of flood risk management is expected to enable 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-8 has four 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 work, case studies, plenary sessions, panel discussions and field visits.

## COURSE CONCENTS

- **Module 1:** Introductory Sessions
  - The Asian Flood Situation
  - Global Concerns
  - Nature and Characteristics of Floods
- **Module 2:** Flood Risk Assessment
  - Flood Risk Analysis and Mapping
  - Vulnerability and Flood Damage Assessment
  - Capacity Analysis
  - Remote Sensing and Geographical Information Systems (GIS)
- **Module 3:** Flood Mitigation Strategies
  - The Structural Approach
  - Field Visit to Flood "Control" Projects
  - The Non-Structural Approach
  - Institutionalization and Policy Search
- **Module 4:** Learning Application
  - Project Development and Management Cycle
  - Indicative Planning for Flood Risk Management
  - GIS and Remote Sensing Application in Settlement Planning

## POST COURSE GUIDELINES

Using course material, advice from the resources persons and utilising the ADPC library, participants will develop a 'toolkit' of personal/ organizational guidelines during the course. The toolkit will help participants to find solutions to practical problems and to answer questions that may arise when they return to their organizations and address their responsibilities in flood disaster risk management.

## 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 utilised 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. The FDRM especially encourages the 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. 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 on a "first come, first served" basis, provided the applicant meets the requirements. A limited number of participants from other regions will also be accepted, on a case by case and "first come first served" basis.

## 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. Participants will be exposed to these endeavors, to learn from their experience and to establish linkages with them.

## LANGUAGE

All teaching and course materials are in English. It is essential that participants are fully conversant in English.

## RESOURCE PERSONS

International experienced practitioners and experts from different organizations will complement ADPC's in house expertise to conduct and facilitate the FDRM course.

## COURSE FEE

The course fee is US \$ 2,000 per participant, which includes the cost of course materials (books, CD, handouts), break refreshments and study visit. Participants will have easy access to internet and email for the duration of the course, and computers and printers will be provided for easier compliance with course requirements. They can access ADPC library with over 6000 entries including 500 videos on disaster management. The course fee does not include board and lodging which are the responsibilities of the participants; although these can be arranged by ADPC. Travel is to be arranged and paid directly by participants.

## GROUP DISCOUNT

ADPC has established an arrangement which recognizes the special needs of sponsoring organizations who wish to send large groups to the course. This operates when one single organization decides to send a group of five persons to the course, in which case the course fee will be waived for a sixth participant from that organization.

## PAYMENT

The course fee should be paid by bank transfer or international demand draft (DD) at least one month prior to course commencement. A Personal cheque is not acceptable. Please provide details of how you intend to make payment with your application.

## BOARD AND LODGING EXPENSES

Food is reasonably priced in Thailand at about US\$ 3-5 per meal. All participants will be accommodated at the AIT Conference Center. The room rate is US\$ 25-32 per night for single room and US\$ 15-19 per person for shared accommodation. Participants who prefer to stay in single rooms should inform ADPC in advance so that reservations can be made accordingly.

## REGISTRATION

Interested persons can register as individuals although preference will be given to those sponsored by their employer organization. Applicants sponsored by an organization should provide a letter of endorsement/sponsorship from their organization.

Registration should be made by using an **ADPC Application Form**, which can be submitted by mail, fax or email; the relevant contact information is provided later in this brochure. On-line application can also be made through the ADPC website at: <http://www.adpc.net/training/form.html>. Pre-course information will be provided once your registration for the course is confirmed.

## CANCELLATIONS

If you are unable to attend, a substitute applicant is welcome to attend in your place. Cancellation of attendance should be notified at least 3 weeks prior to course commencement; in which case, a full refund less 15% of course fee for banking charges and administrative costs will be made. No refunds are available for cancellation 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 and information and research.

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