



12-23 October 2009 Bangkok, Thailand

FLOOD DISASTER RISK MANAGEMENT

Asia is the most disaster prone region in the world. Among the natural disasters that annually impact the region, flood is known as 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 and non-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 strategies that involve engineering, settlement, development, public administration, 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 level 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 CONTENT

Module 1: Introduction to Integrated Flood Risk Management

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

Module 2: Assessing the Risk

- Hazard Assessment
- Vulnerability and Capacity Assessment
- Process for Risk Assessment
- Community-based Flood Risk Assessment

This module concludes with a simulation exercise on Flood 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 Flood Risk Mitigation.

Module 4: Flood Disaster Preparedness Planning and Emergency Response

- Flood Disaster 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 Flood 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 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 to 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 experiences 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

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

COURSE FEE

The course fee is US\$ 2,240 per participant, which includes the cost of tuition, course materials (books, CD, handouts), break refreshments, lunch during the course and study visit. Participants will have access to internet and email for the duration of the course. They can access ADPC library that contains over 6,000 entries, including 500 videos on disaster management. The course fee does not include boarding and lodging, although these can be arranged by ADPC. Travel has to be arranged and paid directly by the participants.

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\$ 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 one 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 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.

CANCELLATION

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 charged 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 capacities 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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