

1st Regional Training Course on Hydro-Meteorological Risk Assessment and Community Preparedness

26 March – 06 April 2007 Bangkok, Thailand

Organized by Asian Disaster Preparedness Center (ADPC) in collaboration with International Institute for Geo-Information Science and Earth Observation, ITC The Netherlands

INTRODUCTION

The Asian Disaster Preparedness Center, with funding support of **USAID/OFDA**, is implementing the Program for Hydro-Meteorological Disaster Mitigation in Secondary Cities in Asia (PROMISE) with the aim to promote Hydro-meteorological disaster preparedness and mitigation activities in selected highly vulnerable secondary cities in South and Southeast Asia namely Chittagong in Bangladesh, Dagupan in the Philippines, Da Nang in Vietnam, Hyderabad in Pakistan and Kalutara in Sri Lanka.

With the goal of reducing vulnerability of urban communities through enhanced preparedness and mitigation of hydro-meteorological disasters in South and South East Asia, the program is implemented through the four broad components namely: City Demonstration Projects, Regional and National Capacity Building, Advocacy for Mainstreaming Risk Management into Urban Governance and Regional Networking and Information Dissemination.

The Regional Training Course on “Hydro-Meteorological Risk Assessment and Community Preparedness” is developed under the Capacity Building component of the PROMISE Program.

OBJECTIVE

The course is primarily aimed at building the capacity of PROMISE project partners and others involved in the hydro-meteorological risk assessment. The training course will introduce methodologies and tools for risk assessment and assist in design and implementation of risk reduction programs. The target audience is normally responsible for design and implementation of hydro-meteorological and multi-hazard risk management activities at the community/city/district/provincial levels.

The secondary objective of the training is to build the capacity of national training partner institutions of PROMISE project countries, which will institutionalize the training program at national level. This will help such institutions to promote utilization of techniques and methodologies for hydro-meteorological disaster risk assessment, including geo-spatial tools (GIS and Remote Sensing), which are recognized as one of the most effective set of tools for hazard and risk assessment. The training partner institutions will be responsible for the execution of the training programs at the national-level, which will strengthen the capacity of state and local government entities, NGOs and private sector institutions. It will ensure that practitioners and decision-makers possess the tools and methodologies needed to prepare for, respond to and develop plans for long and short-term mitigation of hydro-meteorological disasters.

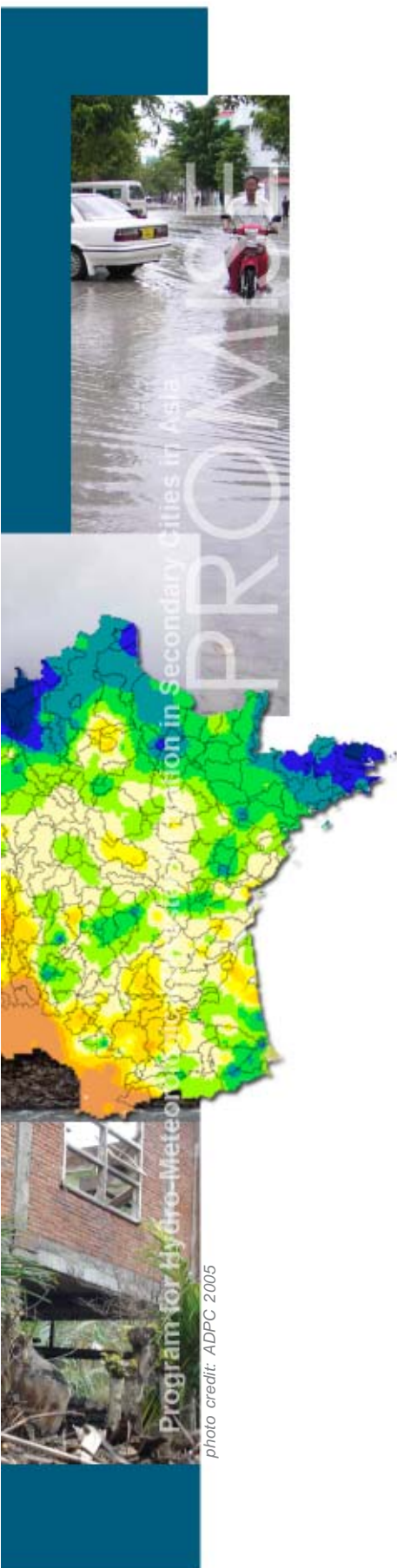


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The course will be enriched with technology applications and methodologies as well as Community-based Risk Assessment approaches so that the participants will be able to select appropriate tools depending on the availability of resources and data. The participants will also be introduced to participatory GIS techniques that can be implemented at the community level to improve the reliability of information generated through community based approaches. This will enrich the capacity of grass root level activists in undertaking activities for preparedness and mitigation of hydro-meteorological disasters.

At the end of the training, participants are expected to fully understand the concepts of hazard, vulnerability, risk assessment and the use of geo-spatial tools together with community-based approaches to build the compatibility between both approaches.

COURSE APPROACH AND CONTENT

The Training consists of a series of lectures, hands-on exercises and group discussion on various hydro-meteorological disasters. Many of the case studies will use data from PROMISE project regions, with an emphasis on the use of geo-spatial tools such as GIS, Remote Sensing and dynamic modeling as well as Community Based Risk Assessment tools.

The course consists of the following subjects:

- Disaster Risk Management
- Overview of Hydro-Meteorological Hazard and Hydro-Meteorological Disaster Preparedness
- Climate and Climate Change Impact in Asia
- Risk Assessment tools
- GIS and Remote Sensing applications for Disaster Risk Management
- Cyclone / Windstorm Hazard and Risk Assessment
- Flood Hazard and Risk Assessment
- Landslide Hazard and Risk Assessment
- Drought Hazard and Risk Assessment
- Vulnerability, Vulnerability Mapping and Capacity Assessment
- Elements at Risk Mapping and Mobile GIS
- Community-based Approach for Risk assessment, participatory GIS and applications of data in Hydro-meteorological Disaster Risk Management at community level

- Community-based practices in Hydro-meteorological Disaster Risk Management
- Planning for Hydro-meteorological Disaster Risk Management
- Capacity Building and Public Awareness
- Case studies from different regions on Hydro-meteorological Disaster Risk Management

TARGET PARTICIPANTS

The course is targeted to academic professionals, research and development organizations, NGOs, local governments and specialized institutions dealing with Hydro-meteorological Disaster Risk Management. Basic knowledge on GIS is preferable but not essential.

Full and partial fellowships will be available for representatives of PROMISE project partners and PROMISE project cities from 5 PROMISE countries (Bangladesh, Pakistan, Philippines, Sri Lanka and Vietnam) having Urban Planning functions related to risk reduction.

COURSE FEE

Course fee is USD 1,500. It includes food and lodging. Travel costs are not included in the above course fee structure and it should be borne by the participants.

COURSE DURATION: 10 days.

CONTACT ADDRESS

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