

# 5TH REGIONAL TRAINING COURSE ON TSUNAMI AND EARTHQUAKE VULNERABILITY REDUCTION FOR CITIES

(EVRC-5)

19-23 September 2005  
Phuket, Thailand

An earthquake can be a frightening and destructive natural event. With increasing population and the potential encroachment of urban development into areas susceptible to earthquakes, vulnerability to earthquakes could intensify. However, we have begun to challenge the premise that earthquakes present an uncontrollable and unpredictable hazard to life and property. With greater understanding of the causes and effects of earthquakes, we maybe able to reduce damage and loss of life from these destructive events. The course on **Earthquake Vulnerability Reduction for Cities** has been designed to achieve this goal. With healthy experiences in providing similar courses for natural disaster mitigation within the Asian Region, ADPC provide a model training experience in this latest course by integrating well compiled study material, case studies , audio visual enhancement and interactive adult learning strategies.

The course builds on past and enduring endeavors such as Earthquakes and Megacities Initiative (EMI), UN, IDNDR, ISDR initiative for Risk Assessment Tools for Diagnosis of Urban Areas against Seismic Disasters (RADIUS) and Global Earthquake Safety Initiative (GESI) launched by UNCRD and Geo-Hazard International. The first course on EVRC (EVRC-1) was conducted in Kathmandu as a collaborative event between ADPC, NSET-Nepal, WSSI and EMI. The second course (EVRC-2) was conducted in November 2002 in Kathmandu as a collaboration between ADPC, NSET-Nepal, WSSI, EMI , ITC-The Netherlands and ICIMOD. EVRC-3 was conducted in Dhaka Bangladesh in collaboration with BRAC University and the fourth course (EVRC-4) was carried out in Jakarta, Indonesia on November 2004 with EMI, WSSI and the YIPD/CLGI.

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## Course Content

- Overview on Urbanization, Urban Hazards, Vulnerabilities, Risk and Disaster Management
- Earthquake Hazard and Risk Assessment Methods
- Earthquake Vulnerabilities
- Earthquake Vulnerabilities Reduction Methods
- Tsunami Hazard, Vulnerability Assessment Methods
- Planning for Vulnerability Reduction of Tsunami and Earthquake
- Implementation of Vulnerability Reduction Programs

## Course Purpose

The course aspires to provide

- Training on earthquake and tsunami vulnerability reduction strategies
- Know-how for the development of organized approaches for earthquake and tsunami vulnerability reduction
- Knowledge and skills for implementation of mitigation initiatives
- Appreciation of risk communication
- Analysis of the need to develop multi-sectoral partnerships for successful implementation of mitigation measures
- Field exposure to ongoing mitigation work

## Participants

This course is particularly useful for those concerned with reduction of vulnerabilities to earthquake and tsunami in the urban areas. It is open to all countries in the Asia-Pacific region.

The targeted audiences of the course are:

- Administrators and officials from provincial and city administration, development and planning authorities
- National level ministries, departments and institutions dealing with urban planning development, housing, infrastructure, public works, utilities, waterworks, drainage, etc.
- Private sector corporations, builders, infrastructure developers, insurance companies and others
- Elected representatives from cities and towns
- Emergency response agencies and emergency planners
- Relief and rehabilitation agencies
- UN agencies and international organizations
- NGOs working on disaster mitigation, especially on earthquake mitigation
- Advocacy and public awareness campaigners, etc.

## Course Fee Structure

The course fee is US\$ 1,500 per participant inclusive of training course materials, coffee breaks, meals and accommodation. Course fee should be paid by money transfer/international demand draft (DD) in advance or by cash at the time of course registration. Kindly confirm mode of payment.

## Scholarships

A limited number of partial scholarships may be available to deserving candidates from the tsunami-affected countries attached to national/local government organizations or national NGOs. The candidate should be directly involved in risk management functions and whose age should be below 45 years. Those who are requesting fellowships should attach a write up of their past and present involvement and how they will be expected to benefit from the course in the future.

## Discounts

For sponsoring organizations:  
Send five learners to the course and enjoy the privilege of sending a sixth learner, full course fee waived.

## Accommodation

Participants who wish to stay in a single-room accommodation, please inform ADPC in advance. The cost will be notified in due course.

## Language Requirements

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

## Resource Persons

Resource persons are selected experts from international organizations, educational and research institutions, national and local government, earthquake vulnerability reduction practitioners and ADPC.

## Application

Interested persons may apply directly but preferably be nominated by their employers, sponsoring agencies, NGOs and private organizations. Please request application form by sending an email to Ms. Clarence Carlos, UDRM Project Coordinator { [clarence@adpc.net](mailto:clarence@adpc.net) }

The cut off date for application is 2 September 2005. In consideration of course efficiency and effectiveness, seats are limited to 30. ADPC will inform applicants once the nomination is accepted.

## Venue

Phuket, Thailand

## Urban Disaster Risk Management (UDRM)

The outcome of Asia's high rate of urbanization has been the expansion of urban populations in geographic areas which are prone to disaster impact. The result is an increased vulnerability of populations and infrastructure. Disaster mitigation measures such as:

- earthquake and cyclone-resistance building and infrastructure
- flood and landslide control measures
- incorporation of disaster vulnerability into land use planning
- introduction of regulatory measures in industrialized zones

have rarely been attempted in most Asian countries. Activities undertaken by the Asian Urban Disaster Mitigation Program (AUDMP) over a period of eight years, have demonstrated the effectiveness of mitigation measures in reducing natural disaster vulnerability. Demonstration projects in nine countries, information dissemination and networking activities, and the regional training courses on Earthquake Vulnerability Reduction, Flood Risk Mitigation, Technological Risk Reduction and Urban Disaster Mitigation have convincingly brought to light the opportunities for high impact interventions. Local officials in selected cities have positively responded to the initial project activities by the way of funding and incorporating disaster vulnerability considerations to their buildings and zoning regulations.

Currently, a significant high demand is apparent for Urban Disaster Risk Management (UDRM), not only in AUDMP target countries but also in other countries of the region. This demand for expansion of UDRM activities has been set to improve response, preparedness capacities to reduce the vulnerability.

As ADPC has been implementing and linking diverse activities through out the region, it has recognized the importance of enhancing the scope of AUDMP through the theme action which is focused on Urban Disaster Risk Management. This will become a permanent focus area of ADPC for future endeavor. UDRM will continue to facilitate interventions for promotion of local and traditional practices, research and technology transfer, replication of best practices, promotion of innovative solutions, development of information products to capture experiences for their dissemination as well as training and capacity-building.

organized by



**asian disaster preparedness center**

Established in 1986, ADPC is a leading regional resource center dedicated to disaster reduction. ADPC works with governments, NGOs and communities of the Asia and Pacific regions to strengthen their capacities in disaster preparedness, mitigation and response through training, technical assistance, regional program management, country project demonstration, information sharing and research.

in collaboration with

## World Seismic Safety Initiative (WSSI)

WSSI was founded to advance and spread earthquake engineering knowledge worldwide. Its goals are to enhance the distribution of earthquake engineering information and knowledge, to improve earthquake engineering practices and to advance engineering knowledge through problem-focused research.

## Earthquakes and Megacities Initiative (EMI)

EMI is a worldwide undertaking aimed at promoting and coordinating multidisciplinary research related to the mitigation of the social, economic and environmental impact of earthquake disasters on megacities.

## contact address

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