

# ADPC TRAINING AND CAPACITY BUILDING PROGRAMMES



## ADPC's Training and Capacity Building Strengths

Asian Disaster Preparedness Center (ADPC), the leading regional training resource group continues to address the training needs and capacity development challenges in disaster management in the region and beyond. Since its inception in 1986, ADPC has been pursuing its missions to mitigate the impact of disasters on communities and countries by raising awareness, enhancing knowledge & skills and facilitating exchange of information and expertise. Throughout the years, over 6000 ADPC alumni have completed the ADPC training courses and are playing leading and significant roles in disaster risk reduction initiatives and interventions.

ADPC, through its multi-disciplinary approach has been designing training curricula and conducting courses in a wide range of disaster management disciplines. To meet new needs and challenges posed by disasters, ADPC has been paving the way in developing training courses in emerging and topical disaster risk reduction areas. It has been ADPC's ongoing and continued endeavor in the course improvement process that has led to reviews and changes in topics and structures.

Drawing on its body of knowledge and expertise, ADPC has been designing and conducting specialized program-based and customized national training courses in Afghanistan, Bangladesh, China, Cambodia, East Timor, Fiji Islands, India, Indonesia, Kyrgyzstan, Lao PDR, Maldives, Nepal, Pakistan, Philippines, Sri Lanka, Tajikistan, Thailand and Vietnam at the request of Governments and donors. ADPC offers bespoke courses to promote disaster risk reduction through its academic and partner institutions.

Additionally, ADPC conducts organizational developmental courses, study tours, simulation exercises and workshops on a range of topics.

## Training courses offered by ADPC:


- Climate Risk Management-Science, Institutions and Society (CRM)
- Collapsed Structure Search & Rescue (CSSR)
- Community-based Disaster Risk Reduction (CBDRR)
- Community-based Psychological Support (CBPS)
- Contingency Planning
- Crisis Management Course (CMC)
- Disasters & Development (D&D)
- Damage Assessment and Needs Analysis (DANA)
- Disaster Management Course (DMC)
- Disaster Risk Communication (DRC)
- End-to-End Multi-Hazard Early Warning Systems (EWS)
- Earthquake Vulnerability Reduction Course (EVRC)
- Emergency Response Management (ERM)
- Flood Disaster Risk Management (FDRM)
- Hospital Emergency Preparedness and Response (HEPR)
- Improvement in Cyclone Warning Response and Mitigation (ICWRM)
- Incident Command System (ICS)
- Mainstreaming Disaster Risk Reduction in Local Governance (MDRRG)
- Medical First Responders Course (MFR)
- Nutrition of Children and Mothers in Disasters (NCMD)
- Nutrition in Disasters Course (NDC)
- Public Health in Complex Emergencies (PHCE)
- Public Health and Emergency Management in Asia and the Pacific (PHEMAP)
- Road Accident Rescue Course (RAR)
- Seismic and Cyclone Hazard Mitigation (SCHM)
- Skills for Effective Trainer (SET)
- Training for Instructor (TFI)
- Training of Trainers (TOT)
- Urban Disaster Risk Management (UDRM)
- Urban Flood Management (UFM)
- Urban Governance

# ADPC Core Training Courses

## Climate Risk Management-Science, Institutions and Society (CRM)

Initiated in 2008, the course builds the capacity of professionals to manage risks associated with climate variability, change, and extremes. It builds upon ADPC's two decades of experience in disaster management, facilitating regional cooperation and building capacities of disaster management institutions at all government levels, disaster management practitioners and communities, and a decade of experience in institutionalizing climate information applications for disaster mitigation. It incorporates case studies and sectoral examples from ADPC's climate risk management programs and projects all over Asia. Upon completing the course, participants are able to design early warning systems for climate-related risks; design community-based climate risk management, climate forecast applications, climate change adaptation projects, and develop tools to mainstream climate risk management practices into development programs and policies.

**Course curriculum includes:** \* Introduction to climate risk management - science of climate change, variability, and predictability - Global climate risk situation - Regional climate risk situation - Local and location-specific climate risk - Terminologies used in climate risk management - Climate and society - Climate impacts - Development of climate risk management programs - Climate risk management processes - Climate risk analysis \* Understanding climate forecast products - Drivers of weather and climate - Types of weather and climate forecasts - Forecast lead time - Forecast reliability - Relevance of forecast products to disaster prevention - Probabilistic forecast products - Global climate model-based ensemble forecasts - National, regional and international forecasting systems and organizations \* Understanding climate risk management process - user need assessment - Assessing the relevance



of forecast products - Interpretation of forecast products - Preparing impact outlooks - Preparation of alternative management plans, prevention and mitigation strategies - Communicating weather and climate information - Economic value of forecast products \* Sectoral examples of climate risk management - Agriculture and allied sectors - Water resources management - Food security - Urban climate risk management - Country examples on drought, flood, flash flood, cyclone disaster management - Health - Tourism - Environment - Energy - Transport \* Climate change, variability, and extremes - science of climate change - Climate change scenarios: climate change, variability, extremes, and disaster linkages - Climate change and risk environments (coastal, small islands, floodplains, arid and semi arid zones, highlands, glaciers, and high mountains) - Institutional adaptation to climate change (national, sub-national, and local) - Mainstreaming climate change risk concerns into developmental planning \* Community-based participatory climate risk management - Community risk perception analysis - Community driven risk management processes - Participatory decision-making with stakeholders - Climate risk communication process - climate field schools - Climate forecast producer and user forums \* Institutionalization and mainstreaming considerations - Decision making environment and climate risk management - Relevance of climate change in sectoral decision making and programs - Assessing economic value - Incorporating differential and equity considerations into climate risk management - Institutionalization processes - Program targets and indicators

**Duration:** 2 Weeks


**Fee:** US\$ 2500

## Community-based Disaster Risk Reduction (CBDRR)

The CBDRR course, a Regional flagship core course of ADPC, has evolved over the years to incorporate essential skills and knowledge in community based disaster risk management to address implementation challenges in a systematic manner. CBDRR participants acquire tools and obtain knowledge on “how to” design and implement programs for reducing disaster risks and vulnerability and building community capacity to promote a ‘culture of safety.’ Through exercises and simulations, participants practice risk assessment and risk management planning the participants learn about globally acknowledged programs and projects on community based disaster risk management from leaders of these initiatives, with a particular focus on examples from South and South East Asian and Pacific regions. Having run 17 successful CBDRR trainings, the course tackles the issues in disaster risk management from a developmental perspective, discussing the issues and problems concerning sustainability, replication/adaptation of CBDRR practice and integration of risk management plans with government and non-government development plans.

**Course curriculum includes:** \* Context of CBDRR \* CBDRR framework - DRM models and approaches relevant to CBDRR - CBDRR features: elements; processes and outcomes - Values, ethics and commitment and accountability of CBDRR practitioners \* Participatory community disaster risk assessment - Hazard assessment - Vulnerability and capacity assessment - Measuring disaster risk - Tools and techniques for participa-





tory assessments \* Participatory stakeholder and resource analysis - Stakeholder analysis - Resource analysis \* Participatory DRR planning - Participatory community risk reduction planning - Building and sustaining a community disaster risk organization (team) - Community training - Mobilizing resources for CBDRR planning and implementation - Participatory monitoring and evaluation for CBDRR \* Community disaster risk reduction implementation - Risk reduction measures - Preparedness for community early warning , health preparedness and protection in emergencies - Preparedness for community evacuation and living in safe areas - Preparedness for Community search and rescue - Mitigating geological and hydro-meteorological hazards - Strengthening livelihoods through disaster resilience - CBDRR in recovery- opportunity to build better and establish sustainable DRR organisations - Gender sensitive DRR - Child focused DRR - Public awareness and disaster risk communication - Advocacy for CBDRR - Risk transfer and insurance for the poor and vulnerable - Habitat specific consideration for CBDRR coping with droughts & floods \* CBDRR program implementation- challenges and solutions - Linking CBDRR in national and local Govt. programs for disaster management and development - Mainstreaming CBDRR into community development work of community development organization - Implementing CBDRR in challenging circumstances, CBDRR in conflict areas and during complex emergencies, CBDRR in religious societies & urban areas

**Duration:** 2 Weeks

**Fee:** US\$ 2000

## Disaster Management Course (DMC)

The Disaster Management Course is the Regional flagship core course of ADPC, which has been delivered since ADPC's inception in 1986. Having successfully completed 38 courses, it provides comprehensive disaster management process knowledge and skills to enhance the capabilities of facilitation and coordination. It is designed to enable professionals working in disaster management, development and donor agencies to effectively integrate disaster management into their development programs and policies. The course helps participants develop systems for disaster prevention, mitigation, response and recovery, apply risk management processes in order to identify, assess and deal with disaster risk assessment, utilize an emergency coordination center to manage disaster events and assess key implementation issues and requirements in disaster management. Participants develop effective strategies and adopt proactive attitudes through participation in interactive lectures and exercises reflecting on a range of key issues raised during discussions and practical activities.



**Course curriculum includes:** \* Disaster risk context - Global disaster risk situation - Concepts and terminologies in disaster management - Disaster management models and approaches - Key cross cutting themes- Development, Gender, Environment, Globalization, Food Security, Stakeholder Participation, Complex Emergencies and Global Insecurities, and their linkages to disasters \* Disaster risk management process - Hazards - Vulnerability factors - Coping capacities - Outputs from risk assessment \* Prevention & mitigation - Framework for prevention and mitigation - Structural mitigation - Community-based disaster management - Institutional and legal mechanisms - Advo-



cacy - Role of public awareness - Preparation of prevention and mitigation strategies \* Preparedness Planning \* Emergency Response - Damage assessment and needs analysis - Information management - Warning dissemination - Resource management - The emergency coordination center \* Recovery & Reconstruction - Principles and concepts of recovery - Community involvement - Concluding recovery interventions \* Implementation considerations - Change management - Accountability in disaster risk management - Monitoring and evaluation - Development of personal action plans

**Duration:** 3 Weeks

**Fee:** US\$ 2500

## Disaster Risk Communication (DRC)

The course is specialized to target those who are engaged in disaster planning and management, and in disaster education. It is designed to help participants understand disaster risk communication principles and to apply these in disaster risk reduction. The course builds the capacities of practitioners to design, develop, manage and undertake an effective disaster risk communication campaign. The course highlights various channels and mediums, introduces to topical communication trends and to produce information, education and communication (IEC) materials. The course also deliberates on the role of media.

The DRC course is designed with the aim of developing a strong risk communication program. To do this, the course will help improve understand the nature and perceptions of risks, the concepts and elements of DRC, risks and effective communication tools, developing a DRC strategy, managing a DRC program, early warning communications: emerging trends and role of Information Communication Technology (ICT) in early warning.

**Course curriculum includes:**

\* Framework for Disaster Risk Communication (DRC) - Purpose & approach - Communication fundamentals (types) \* Risk communication challenges \* Strategies for effective risk communication - Message principles - Social marketing - Understanding public perception of risks \* Advantages, limitations, designing, production, distribution, impact of IEC materials - Communicating disasters \* New emerging media verses traditional media \* Understanding & working with the media \* Role of media: Pre, during and post disaster phase \* Communicating technical & scientific information \* Early warning communication trends \* Role of Information & communication technologies in DRC



**Duration:** 3 Days

**Fee:** US\$ 1500

## Earthquake Vulnerability Reduction Course (EVRC)

Initiated in 2003, ADPC has conducted seven (7) successful EVRC courses providing training on earthquake vulnerability reduction strategies, know-how for the development of organized approaches for earthquake 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.

**Course curriculum includes:** \* Urbanization and disaster risk \* Hazard, vulnerability and risk assessment process \* Principles and concepts of disaster management \* Earthquake cause &

impact \* Understanding earthquake hazards \* Vulnerability of Buildings, Lifelines and Infrastructure \* Tolls for Risk Assessment and Introduction of RADIUS Exercise on RADIUS Tools and presentation of outcomes \* Strategy for Earthquake Vulnerability Reduction \* Understanding Physical Vulnerability and Assessment \* Understanding Social and Economic Vulnerability \* Earthquake Vulnerability: institutional / policy framework \* Introduction of Earthquake Vulnerability Reduction Alternatives \* Physical Earthquake Vulnerability Reduction Options – structural elements \* Physical Earthquake Vulnerability Reduction Options – Non-structural elements \* Earthquake Damage and Need Assessment \* Economics of EVR Methods \* Earthquake Response System \* Incident command system for earthquake response \* Planning for seismic safety of household and community level \* City Level Action Planning for Seismic Safety \* Earthquake Response and Media Management \* Earthquake Resource Management \* Legal Policy for Earthquake Disaster Management \* Earthquake Recovery Management

**Duration:** 2 Weeks

**Fee:** US\$ 2000

## End-to-End Multi-Hazard Early Warning Systems (EWS) for Disaster Risk Reduction

ADPC's newest and most innovative course offers to build the capacity of professionals to design, manage, evaluate and undertake improvements in people-centered end-to-end early warning systems for hydro-meteorological & geological hazards and extreme events associated with climate change and variability. It builds upon ADPC's two decades of experience in disaster management, facilitating regional cooperation and building capacities of disaster management

institutions at all government levels, disaster management practitioners and communities. It extends to experience in institutionalizing weather and climate information applications for disaster mitigation and recently, in the implementation of Indian Ocean and South East Asia end-to-end early warning system for tsunami and hydro-meteorological hazards. Upon completion, participants will understand operational mechanisms and procedures for the prediction, forecasting, monitoring and response to warning; design end-to-end early warning systems for hydro-meteorological/geological hazards including, action planning for disaster preparedness, emergency management and social response with respect to early warning; develop tools for early warning audits, identify current gaps in existing early warning systems and put in place enhanced people-centered early warning system with addressing the “last-mile” users.



**Course curriculum includes:** \* Introduction to end-to-end multi-hazard EWS & management - Elements of people-centered EWS - Relevance of early warning products - Organizational frameworks - Institutional & legal frameworks for implementation & maintenance of EWS - Effective and economic benefits of EWS - Emerging new generation climate prediction technologies \* Risk identification and assessment - Assessment of vulnerability patterns - Hazard analysis methods and mapping - Understanding patterns, trends and characterization of risk - Analytical methods/tools for risk assessment \* Hazard detection, monitoring, forecasting and warning \* Hazard detection, monitoring and forecasting for tsunami, tropical cyclone, associated



storm surge, flood/flash flood, landslide, extreme weather events and drought - Emerging new generation forecasting technologies for medium term weather forecasts, seasonal/monthly forecasts, and long range climate prediction - Role of existing networks/technical agencies for monitoring, forecasting for early warnings - Integrating scientific and technical early warning information \* Early warning dissemination and communication - Elements of disaster risk communication - Institutional arrangements for early warning information management - Concept of operations - Dissemination networks and warning communication methods - RS and GIS-based space technology solutions as an integral part of early warning - Public communication strategies of early warning communication - Community connections and last mile issues in an end-to-end EWS - 24x7 warning focal point and emergency operations centre systems \* Community-based early warning systems - Behavioral responses to warning - Role of formal & informal institutions - Developing end user community partnerships and connecting marginalized at risk communities - Designing and implementing community-based EWS - Indigenous EWS \* Building hazard-ready communities - Elements, Planning, Certification process \* Monitoring & Evaluation of EWS - Stakeholder analysis tools to determine the role and performance of local institutions - Assessment of socio-economic benefits for investment and policy advocacy in end-to-end EWS - Early warning evaluation tools: early warning audits and warning chain analysis

**Duration:** 11 Days

**Fee:** US\$ 2500

## Flood Disaster Risk Management Course (FDRM)

ADPC's FDRM course is a Regional flagship core course with an integrated approach to developing flood risk reduction strategies that involves engineering, settlement, development, public administration, community-based strategies and land use planning (with environmental considerations). The multi-disciplinary approach to flood problems for addressing flood risk management provides a holistic view of the situation and the needed preparedness measures. Response cases at the national and local levels are presented to give the mitigation measures concrete applications. ADPC has conducted nine (9) successful FDRM courses over the years that impart 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.

**Course curriculum includes:** \* Introduction to integrated flood risk management - Concepts and terminologies \* Hydro-meteorological hazards- formation and predictability - Flood disaster situation in Asia - Nature and causes of floods and secondary hazards \* Assessing the risk -hazard assessment, vulnerability and capacities assessment - Risk assessment process - Community-based risk assessment \* Risk mitigation- flood plain management (land-use planning) - Structural interventions - Flood-proofing in the multi-hazard environment - Non-structural intervention: integrated watershed management - Urban and rural development planning

### What they say...

*" We are grateful to ADPC for arranging such a unique course that enriched our understanding on flood disaster risk management. We have really enjoyed the course due to its participatory approaches, excellent presentation and very rich handout and course materials. Thanks a lot once again."*

Utpal Dutta, Nepal Red Cross Society, Practical Action-Bangladesh, FDRM-8 Alumnus

\* Public awareness and capacity building \* 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 \* Recovery and rehabilitation \* Concepts - assessments of damages - Management and sustainability of recovery and rehabilitation activities \* Cross-cutting issues - Governance - Gender 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



**Duration:** 2 Weeks  
**Fee:** US\$ 2000

## Hospital Emergency Preparedness and Response (HEPR)

ADPC designed and conducted the first HEPR course in 2004 to assist administrative and medical health care personnel to prepare health care facilities and first responders to respond effectively to internal or community emergencies that involve large numbers of casualties. The six (6) successful run courses enable hospitals and health facilities to develop well designed facility-specific plans to increase their ability to respond to emergencies. The participants are able to describe the role of health care facilities in disaster management, apply a method of assessing compo-

nents of a health care facility, simulate a mass casualty incident addressing the roles and responsibilities of each component of Hospital Emergency Incident Command System (HEICS), discuss the basic medical requirements of managing mass casualty incidents, apply on-site medical care concepts to specific emergency situations and prepare an outline of a health care facility disaster preparedness plan including response and recovery.



**Course curriculum includes:** \* Disaster risk management concepts - Seismic, fire & flood hazards -structural & non structural \* Components of hospitals - Functional collapse of hospitals \* Emergency department concepts & operation \* Emergency Medical Service System (EMS): pre hospital and hospital Phase \* Multiple casualty incident & triage - Hospital Emergency Incident - Command System (HEICS) - Advance Medical Post (AMP)-principles of medical care management \* Public health issues: surveillance, psychosocial consequences of disasters \* Management of dead bodies in disasters - return to normal health operations \* Chemical, biological radiological and mass gathering - hospital disaster preparedness plan & the planning process \* Hospital evacuation - resources & information management \* Public relations: media, VIP \* Exercise management \* pandemic preparedness \* Resilient healthcare facilities \* National Disaster Medical System (NDMS) \* Continuity of Operation (COOP)

**Duration:** 5 Days

**Fee:** US\$ 1500



## Mainstreaming Disaster Risk Reduction in Local Governance (MDRRG)

The course enhances knowledge and capacity of local urban authorities, associated NGOs and other stakeholders in streamlining disaster risk reduction in urban development. It creates opportunities for mainstreaming risk reduction as a component of urban governance. Additionally, it also builds the capacity of national training partner institutions that will make an attempt to institutionalize the capacity building program at the national level. It also helps 'at risk' communities and NGOs to support the governance and participate in creating safer urban communities and sustainable development through DRR. The training is a blend of concepts, principles, policies, legal action framework and strategies on governance and mainstreaming DRR.

**Course curriculum includes:** \* Introduction to local level hazard environment and assessment \* Concepts of vulnerability to disasters \* Principles of governance for DRR \* Process of decentralization for effective disaster risk management \* Approaches for urban land administration and DRR \* Legal and institutional structures including compliance to building \* By-laws relevant to urban DRR \* Generating information for local DRR \* Stakeholder analysis to promote participatory approaches in governance and DRR \* Institutionalization of community based DRR \* First responses at the municipal, ward and community levels \* Dealing with informal settlements - attribute of gender, ethnics, minorities and migrant population to DRR \* Case studies and good governance practices to DRR \* Action plan for a change in creating safe urban habitat

**Duration:** 5 Days

**Fee:** US\$ 1500

## Public Health in Complex Emergencies (PHCE)

The Public Health in Complex Emergencies training course (PHCE) focuses on critical public health issues faced by personnel working in complex emergencies. The course was initiated in 2004 with aims to enhance the capacity of humanitarian assistance workers and their organizations to respond to the health needs of refugees and internally displaced persons affected by these emergencies. Participants of seven (7) successful run course got an opportunity to master key competencies in the sectors, context of emergencies, reproductive health, epidemiology, communicable disease, weapons, violence and trauma, protection and security, psychosocial issues, environmental health and nutrition.

**Course curriculum includes:** \* Context of complex emergencies \* Context of emergencies reproductive health \* Epidemiology \* Communicable disease \* Psychosocial issues \* Reproductive health \* Environmental health \* Nutrition coordination \* Violence, weapons and trauma \* Protection and security

**Duration:** 2 Weeks

**Fee:** US\$ 2400



## Public Health and Emergency Management in Asia and the Pacific (PHEMAP)

The PHEMAP course, initiated in 2002 has been successfully conducted by ADPC for the past seven (7) years. It is specifically designed for people who play critical health



emergency management and coordination roles in managing the health risks in emergencies. The inter-regional PHEMAP course familiarizes health emergency managers with policy-making, risk management, emergency response and recovery planning, international standards and regional cooperation. Through the course, participants develop their own management and leadership capacities to the improvement of emergency health services that include environmental health, mass casualty management, feeding and nutri-

tion, emergency medical systems, psychosocial support and communicable disease control and develop plans for strengthening health emergency management capacity in their respective country settings, and their own personal development plans as Health Emergency Managers.

**Course curriculum includes:** \* Challenges and roles of a health emergency manager \* Key tools and processes to manage health risks \* Risk management \* Health emergency management capacity \* Elements of capacity to manage health risks of emergencies \* Key capacity indicators for policy development, risk assessment, emergency response and recovery planning and operations \* Health service delivery functions \* Benchmarks to describe capacity for health emergency management \* Policy and guideline development \* Components of the policy-making process for

health emergency management \* Sources of standards or that can be used as reference for developing guidelines \* Health information management \* Risk communication \* Emergency response planning & surge capacity planning for mass casualty management \* Flowcharts for emergency response planning \* Components of mass casualty management \* Surge capacity for mass casualty management \* Effective leadership in health emergency management \* Health assessment \* Operations management \* Response coordination and incident management systems \* Components of an incident management system \* Functions of an incident management system \* Incident command post, emergency operations center and the emergency coordination center \* Emergency medical services systems \* Components & models of emergency medical services systems \* Dispatching and patient distribution systems \* Hospital emergency planning \* management of logistics and supplies \* International response coordination \* Exercise management \* Six steps in the exercise management model \* Simulation exercise \* Health in disaster recovery and reconstruction \* Evaluation to practice: lessons for health emergency management \* Capacity assessment and training needs analysis \* Capacity development & participants' personal action plans

**Duration:** 2 Weeks

**Fee:** US\$ 2500

## Use of Geographical Information Systems (GIS) and Remote Sensing (RS) in Disaster Risk Management (GRSDM)

ADPC's GRSDM course provides an excellent opportunity for professionals and practitioners to obtain essential skills and knowledge on the utility of GIS and RS and their current application in disaster risk management. Initiated



in 2007, and having completed two (2) GRSDM courses, participants learn to evaluate the spatial data requirements in disaster risk management, apply GIS and RS to hazard, vulnerability and risk (HVR), assessment, integrate HVR assessment results in urban planning, infrastructure planning, and locating of critical facilities and human settlement, assess spatial data availability and understand the importance, of spatial

data infrastructure (SDI), for data sharing by organizations involved in disaster risk management, apply GIS and RS for designing implementations of large scale early warning systems, use participatory GIS (PGIS) at community level, apply remote sensing data and image processing techniques, to monitor hazardous events and assess damage, or effective recovery planning, design and implement their own GIS projects that integrate remote sensing data, GPS-based field information, and HVR models and analysis in a proper geo-spatial and cartographic framework.

**Course curriculum includes:** \* Hazard, vulnerability and risk assessment with GIS and RS \* Spatial data requirements in disaster management \* Basic GIS and RS concepts in the context of disaster management \* Hazard, vulnerability and risk assessments with geodata (focusing on physical and socio-economic vulnerability \* Multi-hazard risk assessment) \* Participatory GIS for community-based disaster risk management \* GPS-based mobile GIS for hazard and vulnerability field \* Data collection \* Application of risk information and spatial data \* Infrastructure - database generation and risk mapping \* GIS project design and setup \* Spatial reference systems & data integration

**Duration:** 2 Weeks

**Fee:** US\$ 2000

## Training logistics & management

### *Language*

All teaching and course materials are in English.

### *Resource persons*

ADPC has a diverse and dedicated team of professionals with expertise in disaster risk reduction, urban risk management, hazard risk management, emergency response management, climate science: climate, weather & climate change, seismology/multi-hazard early warning, oceanography, information & communication technology (ICT) & GIS, social sciences, governance, institutions & policy analysis, public health and emergency response, capacity building, program design & management, monitoring & evaluation and good practice documentation. International experienced practitioners and experts from different organizations complement ADPC's in-house expertise to conduct and facilitate the courses.

### *Course fee*

The course fee includes the cost of course materials (CD, handouts, and other reference guides) and refreshments. An additional amount of US\$ 40 is payable as admission fee. Participants have access to Internet and email during the entire duration of the course. Computers and printers are provided in compliance with course requirements. Note that the fee covers tuition and materials only. Accommodation, although arranged by ADPC, is to be paid by course participants. Travel associated with attending courses is to be arranged and paid directly by participants.



### **Payment**

The fee should be paid in advance by bank transfer to ADPC account or deposited at the time of course registration in cash or check payable to the Asian Disaster Preparedness Center. A deposit of 15% of the course fee is required from individual participants without a sponsoring organization who are planning to make payment at the time of registration. Registration will be made on the first day of the course. The course fee deposit should be paid at least three weeks prior to the start of the training. There is a cancellation fee in case of withdrawal from the course.

### **Registration**

Interested persons can apply directly, but preference is given to those nominated by their employer organizations/departments. Application should be made on the ADPC application form that can be sent either online or by fax. The application form may be accessed from the ADPC web site at <http://www.adpc.net>. For applicants being sponsored by an organization, a letter of support from the organization is required.



The Asian Disaster Preparedness Center (ADPC) is the leading Regional, non-profit organization based in Bangkok, Thailand. Established in 1986, ADPC is mandated to create safer communities and sustainable development through disaster risk reduction. The geographical focus of ADPC activities is Asia, including central Asia and beyond. Since its inception, the Center has been providing technical assistance, training and meeting information needs of Governments and local groups working at community level, multilateral and bilateral development programs, regional bodies and fora.

ADPC works through its thematic strengths namely, climate risk management, end-to-end multi-hazard early warning system, community-based disaster risk reduction, disaster management systems, public health in emergencies and urban disaster risk management. It encompasses a wide diversity in applications, addresses all types of hazards and cover all aspects of the risk management spectrum – from prevention and mitigation, through preparedness and response, to rehabilitation and reconstruction.



**Training Resource Group (TRG)  
Asian Disaster Preparedness Center (ADPC)**

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