

Participation Requirements

Expected audience:

- Practitioners from organizations responsible for Geohazard- and Risk Assessment
- Staffs of governmental authorities responsible for urban and regional spatial planning
- Professionals involved in disaster risk management and disaster risk reduction
- Government officials responsible for disaster management policy and plans
- GOs and NGOs involved in the areas of disaster risk reduction, response and recovery

Requirements:

- Basic understanding in hazard, vulnerability and risk concepts. Working experience is desirable
- Basic knowledge in GIS and MS Access Database
- English language skills
- Personal Laptop with ArcGIS 10.1 and MS Access 2007 or 2010 software installed

The class size is limited to 15 persons. Teaching and reference materials will be delivered in English.

Registration:

Registration Deadline: **10 January 2017**

Course fee: **Free of charge**. Participants are to be nominated by the Permanent Representatives of the country to CCOP. Sponsorship of travel allowances are provided to selected CCOP member countries.

Venue and Accommodation:

19 – 25 Feb, Holiday Inn Bangkok Silom

25 Feb – 3 Mar, Chatrium Hotel Riverside Bangkok

Contact

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Federal Institute for Geosciences and Natural Resources (BGR)
Design and Contents: Dr. Dirk Kuhn



1st International Training Course

on

Risk-Sensitive Spatial Planning

for

CCOP Member Countries

20th February - 2nd March 2016

Bangkok, Thailand



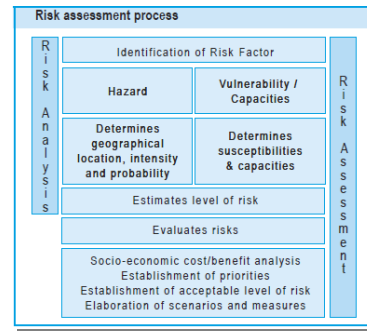


Course Outline

The pronounced vulnerability of the Southeast Asian communities combined with increasing numbers of naturally induced disastrous events call for sustainable development and effective risk management. The implementation of disaster risk information in spatial planning procedures is a key element in the effort to reduce the impact of future disasters. Integration of risk assessments into spatial planning and land use allocation thereby supports sustainable development and the elaboration of coping strategies for disaster risk reduction (DRR).

The course gives a sound introduction to the use of spatial data to analyze, map and visualize hazard, vulnerability and risk exposition of elements at risk and to perform risk assessments to support risk-sensitive spatial planning, decision making processes and preparedness planning in the framework of DRM.

The course uses the Risk Exposure Analysis-GIS (REA-GIS) tool to analyze and visualize spatial information of hazard, vulnerability and risk exposition. The application has a straightforward methodology, features multi-hazard approaches and scale independency and has proven its applicability in many countries.



Exercises, practical activities and interdisciplinary discussions between the multidisciplinary participants enhance networking and cooperation and create mutual understanding of the specific needs and approaches of the different disciplines.

Optionally, a one day excursion or visits may be arranged.

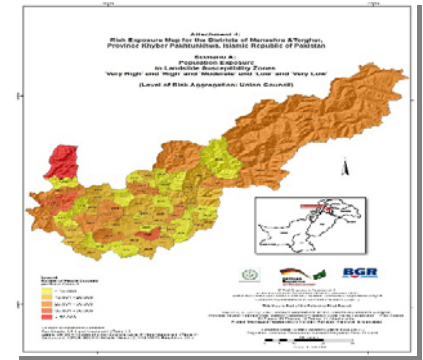
Course Objectives

The course gives an introduction to GIS-based spatial risk assessment with a focus on earthquake, volcanic, landslide and flooding hazard on a regional scale. The participants are provided with knowledge, skills and tools to analyze and present relevant spatial information on hazard, vulnerability and risk. They will be elaborated on multi-hazard risk assessments and related information as basic input for risk-sensitive regional spatial planning and decision making.

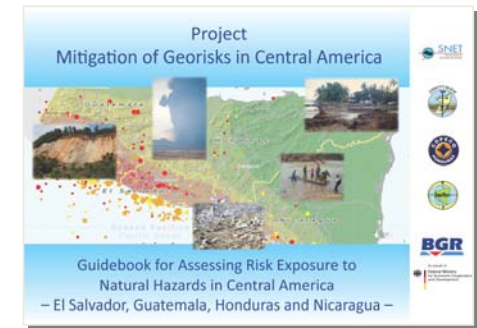
Contents

Conducted over a period of 9 days the course encompasses the following modules:

- Course introduction and problem formulation
- Basic concept and terminology of disaster management, mainstreaming DRR and CCA



- Introduction to the Risk Exposure Analysis-GIS application (REA-GIS)
- Hazard, vulnerability and elements at risk assessment
- Risk exposure assessment by using single and interrelated multi-hazard approaches.
- Practical exercises as group based micro projects
- Interdisciplinary evaluation and discussion of realistic scenario-based assessment results



For further information on the methodology, see free of charge: <http://www.preventionweb.net/english/professional/publications/v.php?id=27023>

Course Faculty

The course will be facilitated by the developers of the REA-GIS application. The experts are experienced practitioners with regional proficiency.