

Risk-Sensitive Land Use Planning Course



Course No. 4 of 8 in the NDRM online training package



The recent 2011 Global Assessment Report (GAR) fully recognized the opportunities of mainstreaming disaster risk reduction into land use planning and urban planning. Through land use planning, disaster risk factors can be modified to decrease vulnerability, increase resilience and mitigate potential damages and losses. With its wide array of regulatory and non-regulatory methods, as well as structural and non-structural approaches, land use planning is an effective tool in disaster risk management.

The Risk Sensitive Land Use Planning course was developed by the World Bank's Global Facility for Disaster Reduction and Recovery (GFDRR) in collaboration with the Earthquakes and Megacities Initiative. It aims to demonstrate the benefits of incorporating disaster risk reduction objectives in land use planning, presents the process involved in integrating disaster mitigation with local land use management, and illustrates the advantages of this integrated approach using specific examples. This course offers professionals and practitioners an opportunity to explore the link between land use planning and disaster risk reduction through a series of learning tools: presentations, readings, case studies and exercises, tests, an end of course project, and interactions with peers and faculty.

Since 2006, the NDRM program has graduated more than 500 participants across 40 countries.

COURSE OBJECTIVES

The course aims to improve the participants' understanding of:

- Main concepts and techniques of risk-sensitive land use management, hazard, vulnerability and risk assessment tools;
- Various land use planning interventions to reduce and mitigate disaster risk;
- Policy, legal and institutional provisions for land-use planning and disaster risk management;
- Methods of integrating disaster risk reduction into the local land use planning process

TARGET AUDIENCE

The course targets land use planners, zoning officers, construction and housing officers employed in national and local government institutions, environmental engineers, urban planners, housing and real estate professionals, and other specialists involved in urban planning and the development of public infrastructure, critical facilities, and lifelines.

COURSE CONTENTS

The course consists of three self-paced subject modules, a discussion forum, and learning via interaction with program faculty.

Risk Sensitive Land Use Planning Concepts and Terminology

Participants are introduced to the basic concepts and terminology of land use planning in the context of urban vulnerability and disaster risk reduction. This segment of the course also explains the main characteristics of contemporary land use planning, the implications of land use decisions on development and disaster risk and the rationale for considering risk mitigation in land management decisions. The most common institutional and legal set-up and the role of different levels of government - central and local - in land use decisions are also discussed.

Establishing Basic Parameters: Risk Assessment

The presentation introduces risk assessment, an important analytical process that identifies the severity and spatial distribution of risk and generates the necessary information and data for risk sensitive land use planning. It discusses the elements of risk, such as hazard, vulnerability and capacity, and provides a step by step review of various techniques for risk assessment, from quantitative to participatory methods.

Methods and Tools of Contemporary Land Use Planning

This part of the course presents some of the methods and tools of contemporary land use planning. It illustrates that in order to take full advantage of land use planning to reduce disaster risk, it is important to develop a comprehensive risk management approach. Following the overview of the different planning methods, the session discusses the most commonly used land use planning tools such as building codes, standards, zoning, land pooling and land readjustment.

"The enthusiasm is infectious... It has succeeded in improving my perceptions of land use planning in the context of DRR initiatives, sensitising me to the significance it holds in maintaining the balance for sustainable development, and its contribution towards reducing vulnerabilities and also building resilience."

Mohamed Reza
Aster Communications, Malaysia

COURSE POLICIES

Language

All teaching and reference materials are in English. Participants must be fully conversant in English.

Course Fee

US \$250.00

Discounts are available through group enrollment to encourage institutional learning.

Registration

Online registration only. Kindly visit this link and fill in the application at www.emi-megacities.org/ndrmp-form.

Course Schedule

July 9 - August 8, 2012

Deadline of Application

July 4, 2012

Additional instructions on registration and payment procedures will be sent via e-mail, so please check your e-mail regularly. Your payment should be received no later than **July 4, 2012**.

CONTACT DETAILS

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COURSE FACULTY

Dr. Fouad Bendimerad

Program Director

Dr. Eng. Bendimerad is the Chairman of the Board of EMI. He has served as consultant and advisor on risk management to several international organizations, governments and corporations, including the World Bank, and United Nations organizations. He also served as Principal Scientist to RMS, a California corporation and leader in the development of risk assessment models for the global insurance industry. Further, he served as a faculty of the School of Engineering at Stanford University and directed the University's seismic reduction program, which received the ATC-ENR (Applied Technology Council and Engineering News Record) award of one of the ten top seismic projects in the country.

Dr. Renan Tanhueco

Subject Matter Expert

Dr. Tanhueco was the Task Leader/Land Use Planner in EMI's Risk Sensitive Land Use Planning project in Kathmandu Metropolitan City and in the Disaster Risk Management Master Planning project in Greater Mumbai. He has also worked with UNISDR, the Asian Disaster Preparedness Center, and the Philippine Government in several projects on mainstreaming DRR in land use and infrastructure planning. He obtained his Masters degree in Civil Engineering from Nagoya University in Japan, and his doctorate in Urban and Regional Planning from the University of the Philippines.

Ms. Julie Catherine Paran

Subject Matter Expert

Ms. Paran is a licensed Environmental/Urban and Regional Planner in the Philippines. She has more than ten years of development work experience in the fields of urban and regional planning, land use planning, environmental planning, disaster risk management, local governance, project development/project management, results-based performance management, anti-poverty, tourism, strategic and operations planning and participatory governance. Ms. Paran has a Master of Arts in Urban and Regional Studies from Sheffield Hallam University in the United Kingdom and a Post Graduate Diploma in Land Management and Informal Settlements Regularization from IHS, Rotterdam in The Netherlands.

Ms. Maria Matilde Go

Facilitator

Ms. Go is the Assistant Chief of the Local Fiscal Resource Development Division of Department of Interior and Local Government. She served as a visiting researcher in the Asian Disaster Reduction Centre in Kobe Japan. She has had extensive experience in disaster risk management, online facilitation, development management, policy review and development and networking and coalition work.

She is a product of GFDRR's web-based courses and has served as Facilitator for the online courses since 2006.

Enroll Now!

www.emi-megacities.org/ndrmp-form

Click here for the [Training Course Schedule 2012](#)

