

Damage and Reconstruction Needs Assessment Course



Course No. 5 of 8 in the NDRM online training package



Damage and Reconstruction Needs Assessment (DRNA) is a specialization course under the Natural Disaster Risk Management Program that offers a set of diagnostic tools to measure the type and extent of damage and losses caused by a specific disaster, identify immediate recovery and longer-term reconstruction needs, and determine the economic and financial implications of the event. This can be used immediately after the emergency stage to assess the direct and indirect effects of a catastrophic event, and its implications for the social well-being and economic performance of the affected area.

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

COURSE OBJECTIVES

The course aims to provide a better understanding of:

- Basic concepts of disaster valuation
- Links between disasters, post-crisis management and development
- Tools for socio-economic and environmental valuation of disasters that can be used to:
 - i. Plan for reconstruction on the basis of assessed damages and needs;
 - ii. Plan for better risk management (reduction, mitigation and prevention);
 - iii. Orient action at the local level; and
 - iv. Guide policy

TARGET AUDIENCE

This course is offered to disaster risk management professionals, development practitioners, government officials, policymakers, consultants, researchers and specialists of training and academic institutions, NGO representatives, and humanitarian and community leaders, who are interested in acquiring fundamental knowledge on DRM and their linkages to sustainable development challenges.

COURSE CONTENTS

The course consists of an introduction, the basic learning materials and a discussion forum to facilitate the learning via interaction with program faculty. The introduction includes a short course description, review of learning objectives and outcomes, and a summary of main issues. The basic learning materials consist of 30 to 35-minute slide show presentations, case studies and readings, quizzes, a final exam and an end of the course project.

Introduction to Damage and Needs Assessment Methodology and Basic Concepts

This briefly reviews the concepts associated with disasters: their nature and causes, phases and cycle. It elaborates on the causal link between exposure and vulnerability as they relate to the damage and reconstruction needs assessment. The session attempts to create a common language of basic terms and concepts that can be used by specialists from different disciplines who are involved in disaster assessment. It introduces the terminology used in ECLAC methodology and discusses the basic elements of disaster valuation. It also presents potential uses of the damage and reconstruction needs assessment in policy formulation.

Valuation of the Impact of Disasters

Disasters impact the welfare of people, in terms of lives and injuries that are difficult to quantify. Damage assessment therefore mostly focuses on socio-economic and environmental damages that occur as a consequence of natural catastrophes. These losses of assets and the impact on flows of goods and services vary according to local circumstances and the time, strength and duration of the disastrous event. Effects can be direct and indirect, and affect different sectors of the economy in distinct ways. Thus, assessment must be done carefully to avoid possible duplication. The session summarizes the methodology used to assess the overall impact of damages, in the short- and medium-term, on the main economic variables, social systems and the environment.

Prevention and Mitigation: Post-disaster Management

Post-disaster response is an opportunity to reconstruct in a way that makes the affected population and region less vulnerable to disaster risk. The choice of prevention and mitigation tools - structural, organizational, financial - and the process of choosing itself have long-term effects on vulnerability. The session reviews the mitigation and prevention measures that should be considered, the necessity of stakeholder involvement, the costs of mitigation and the challenges to its implementation.

"The series of courses are built upon each other to reinforce the learning experience. The multi-discipline and multi-sectoral participatory approach really expands the experience and usefulness of this online course."

Sharon Taylor
Education Learning Specialist
Philippine Rural Reconstruction
Movement (PRRM)



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 16 - August 15, 2012

Deadline of Application

July 15, 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 15, 2012**.

CONTACT DETAILS

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COURSE FACULTY

Dr. Fouad Bendimerad

Program Director

Dr. Engr. 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. Nilgun Okay

Subject Matter Expert

Dr. Nilgun Okay works as a professor in the Department of Geological Engineering at Istanbul Technical University. She is also the head of the Disaster and Emergency Management Division in Earthquake Engineering and Disaster Management Institute, and coordinates the graduate program in disaster risk and emergency management. Dr. Okay has a Master's degree in Geology from the City University of New York and a Doctorate in Earth and Environmental Science from the same university.

Since 2005, she was involved in the implementation of the Natural Disaster Risk Management Program in Turkey which she served as the Subject Matter Expert in the Damage and Reconstruction Needs Assessment Course.

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](#)