

Climate Change and Disaster Risk Course



Course No. 3 of 8 in the NDRM online training package

Climate Change and Disaster Risk (CCDR) is a four-week specialization course within the Natural Disaster Risk Management Program that aims at supporting the global agenda of managing the risks associated with climate change through increased knowledge and awareness of development practitioners and policy makers at the national and local levels. The course gives a brief introduction to the science of climate change, reviews the climate change impacts on natural hazards, the trends in magnitude and frequency of climatic extremes and changes in average climatic conditions. It explores the inter-linkages between disaster risk management and climate change adaptation and outlines strategies, methods and tools for integrated climate risk management.

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

COURSE OBJECTIVES

The main objective of the course is to provide a better understanding of the implications of climate change for disaster risk management. It reviews the causes, trends and impacts and introduces options – methods, tools - to consider for integrating climate change in disaster risk management.

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, humanitarian and community leaders, who are interested in acquiring fundamental knowledge of climate change adaptation (CCA) and disaster risk management (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 slide show presentations, 30 to 35 minutes each, case studies, and readings, quizzes and a final exam, and an end of the course project.

Science and Impacts

Discusses basic processes that lead to climate change and the impact of changing climate to disaster risk. It will demonstrate that climate change is already happening and seemingly small changes in average global temperatures can have large effects on the risk of weather-related disasters. It argues that while there is a rapid rise in number of natural disasters, in economic damages and in people affected due to the increase in weather-related disasters, the main reason of this trend is the high concentration of people and assets in dangerous areas that result in increased vulnerability.

Implications for Policy and Practice

Tackles the impacts of increasing hazards. Who are most vulnerable, and how should this vulnerability be addressed? It shows that rising risks have severe implications for economic development and poverty reduction, and need to be factored into development planning and practice. One of the key messages of this presentation is that climate risks, like disaster risks, are not isolated issues to be dealt with only by a ministry of environment or a national disaster risk management office.

Information, Methods, and Tools

Information, methods and tools that are available for climate risk management. The methods and tools discussed in this presentation will focus primarily on finding out how a changing climate affects a particular activity, plan or policy.

“The facilitators brought the subjects to life... the support to the participants created awareness that climate change is a socio-economic concern and climate risk management is an opportunity.”

Reynaldo Cruz
Civil Engineer



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

November 26- December 21, 2012

Deadline of Application

November 23, 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 **November 23, 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. Antonio Fernandez

Subject Matter Expert

Dr. Fernandez was for many years with the United Nations Centre for Regional Development in Nagoya, Japan as an international expert doing research and training in the field of environmental planning and management in developing countries. He worked with the Earthquake Disaster Mitigation Research Center in Kobe, where he did a comparative study of disaster-related science and technology policies and became involved in disaster risk management master planning in Manila. He helped draft the strategic national action plans for disaster risk reduction of the Philippines, Maldives, Brunei and Afghanistan. Dr. Fernandez was also involved in the formulation of the National Framework Strategy for Climate Change in the Philippines.

Mr. Jerome B. Zayas

Subject Matter Expert

Mr. Zayas leads the EMI Secretariat as Technical Manager on DRM. His technical expertise focuses on the areas of disaster risk management, social inclusion and protection, conflict management and negotiation, and project management. He has graduate degrees in Health Social Science at the De LaSalle University in Manila and International Relations and Affairs at the Fletcher School of Law and Diplomacy in Boston. He is the author of a paper on CCA and DRR integration focusing on the slums of Mumbai.

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](#)

