

Global Distance Learning Program on

# Natural Disaster Risk Management


## Earthquakes and Megacities Initiative

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**GFDRR**  
Global Facility for Disaster Reduction and Recovery

**10** Years **EMI**  
Earthquakes and  
Megacities Initiative  
*Building Urban Resilience*

February 2014

## MESSAGE FROM THE EMI CHAIRMAN



E-learning has revolutionized the way education is delivered and knowledge is shared. More significantly, e-learning offers new opportunities for professionals to advance their careers by acquiring new knowledge and improve their skills while keeping their work. More and more employers recognize and encourage e-learning for their staff as a cost-effective approach to improve institutional capacity.

The Natural Disaster Risk Management Program (NDRMP) e-learning program, a partnership between the World Bank's Global Facility for Disaster Reduction and Recovery (GFDRR) and EMI is launching its eight year by offering a total of ten (10) e-learning courses. The NDRMP is aimed at building the human resources for disaster risk reduction and urban resilience. The program has graduated about 1500 participants across 71 countries. The fee for the course is kept at a very minimum rate to enable access to an optimum number of participants from all over the world.

Disaster risk reduction is a fast growing field driven by the pressing need for governments and communities to prepare and reduce their exposures to numerous hazards in the face of urbanization challenges. Major corporations have recently entered the field offering exceptional new opportunities to well-trained professionals. The NDRMP ensures high quality learning in a stimulating environment and with exceptional level of support from practice leaders and experts who form part of the NDRMP course faculty.

I look forward to your joining the ever-growing family of NDRMP alumni.

Sincerely,

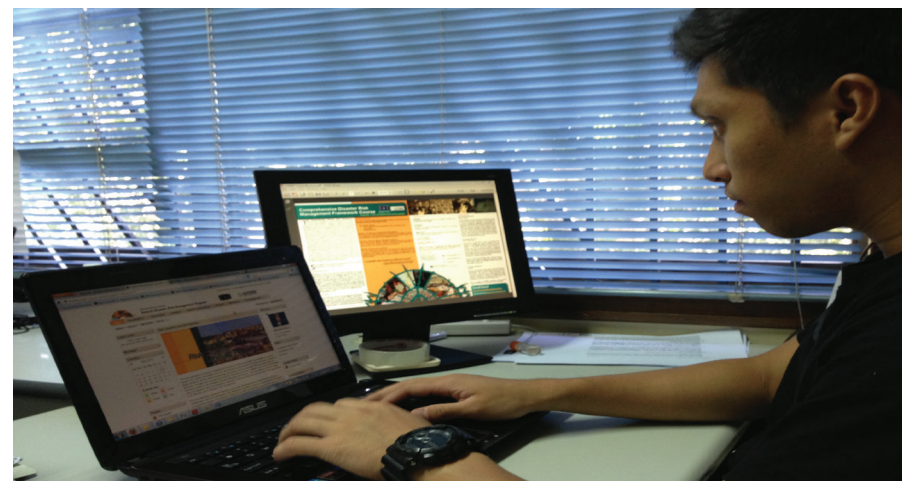
**Fouad Bendimerad, Ph.D., P.E**  
Chairman and Executive Director  
EMI

## ALL ABOUT NDRMP

The Natural Disaster Risk Management Program (NDRMP) offers an educational model for practitioners who are looking at building their career and/or improving their skills in disaster risk management (DRM). It consists of an introductory course plus a selection of nine (9) specialized online courses.

The training delivery methodology was formulated by educational experts and offers the flexibility for the participants to study at their own pace without compromising the quality of learning. Participants can accomplish assignments, check their progress, gain access to subject matter experts, and share experiences with their co-participants all under close support from the course support team (CST).

The training courses of the NDRMP have been offered since 2006 and have produced about 1500 graduates from 71 countries.



## WHY ENROLL?

- Build the competence of your institution and open opportunities in one of the fastest-growing professional fields
- Gain access to ten (10) state-of-the-art courses structured to comprehensively cover the urban resilience field
- Acquire "real world" knowledge and skills for sound professional advancement
- Be part of an active global network of motivated disaster risk management (DRM) professionals
- Be inspired by renowned experts and educators
- Benefit from personalized, expertly facilitated, and customized learning not found in most massive open online courses (MOOCs)
- Access over the internet from wherever you are and whenever you want
- Obtain a GFDRR-EMI Certificate and Earned Continuous Education Units (CEUs)

## WHAT THEY SAY ABOUT NDRMP



***"The courses...are of great relevance..."***

"The courses proposed by EMI are of great relevance for expanding the community of Disaster Risk Management practitioners and broadening our knowledge and skills. I have followed several of the modules and found the format, material and exchanges of high quality. I will continue encouraging colleagues to join up-coming courses."

**Edward Turvill, DRR Policy Advisor**  
European Commission Humanitarian Aid & Civil Protection (ECHO)

***"Practically useful in any field of discipline..."***

"Practically useful in any field of discipline, the course boasts of a well designed--style of presentation that is simple and clear, making it easy to understand and to follow. The activities it provides are varied, reasonable, and appropriate to learners' needs and learning styles, and its contents meet as well as imparts the basic knowledge requirements of a disaster manager whilst it provides opportunities for participants to think critically and undertake additional researchers. All assigned reading materials are very helpful in augmenting learning. Additionally, the Course Support Team (CST) is always at hand to lend assistance."



**Dr. Marietta De Leon, Consultant**  
MNC Geoconsultants



***"...world class training without travel."***

"EMI gave me the opportunity to participate in world-class training without travel...The course materials are fabulous, informative, appropriate, as well as of high quality. The course faculty are highly qualified in respective fields and very friendly. Useful information are presented in a very concise fashion and in well-organized way. Interactive discussion forum was like face-to-face conversation with the fellow participant along with practical pieces of advice from course faculty..."

**Dr. Munaz Ahmed Noor, Pro Vice-Chancellor and Professor**  
Bangladesh University of Engineering and Technology



***"NDRMP courses are simply unbelievable!"***

"The NDRMP courses are simply unbelievable! I had a strong passion of becoming a DRR Specialist. But for many reasons, I could not leave my job to go back to the University to obtain a qualification in Disaster Management. After completing the CDRMF online course, I was motivated to enroll for the specialization courses...Surprisingly, I reached my dream much earlier than I had expected. In September, 2009, I got my first international job as a Disaster Risk Reduction (DRR) Advisor with UNDP Lesotho. I am glad I enrolled in the NDRMP course!"

**Samuel Akera, DRR Advisor**  
UNDP- Lesotho

***"I learned how to plan and manage ahead to lessen the effects of disasters"***

"The courses give us the knowledge on how to deal with disasters especially in the Philippines which is a disaster prone area. They help a lot in order for us to mitigate the effects of disaster. I learned how to plan and manage ahead to lessen the effects of disasters."



**Kerwin Jarangue, Serviceman**  
Armed Forces of the Philippines, Philippine Navy

***"...it reinforced my knowledge... and subsequently of direct benefit to my day to day work."***

"I found the NDRMP courses very useful in the sense that it reinforced my knowledge of the basic concepts of disaster risk management and subsequently of direct benefit to my day to day work. The content was a real mix of effective learning methodologies and I found the facilitation exceptionally good. The Course Support Team was always there for all of us making sure all was running well..."



**Kitka Goyol, Regional Humanitarian Preparedness Officer**  
Oxfam Great Britain



# NDRMP ALUMNI

2006 - 2013



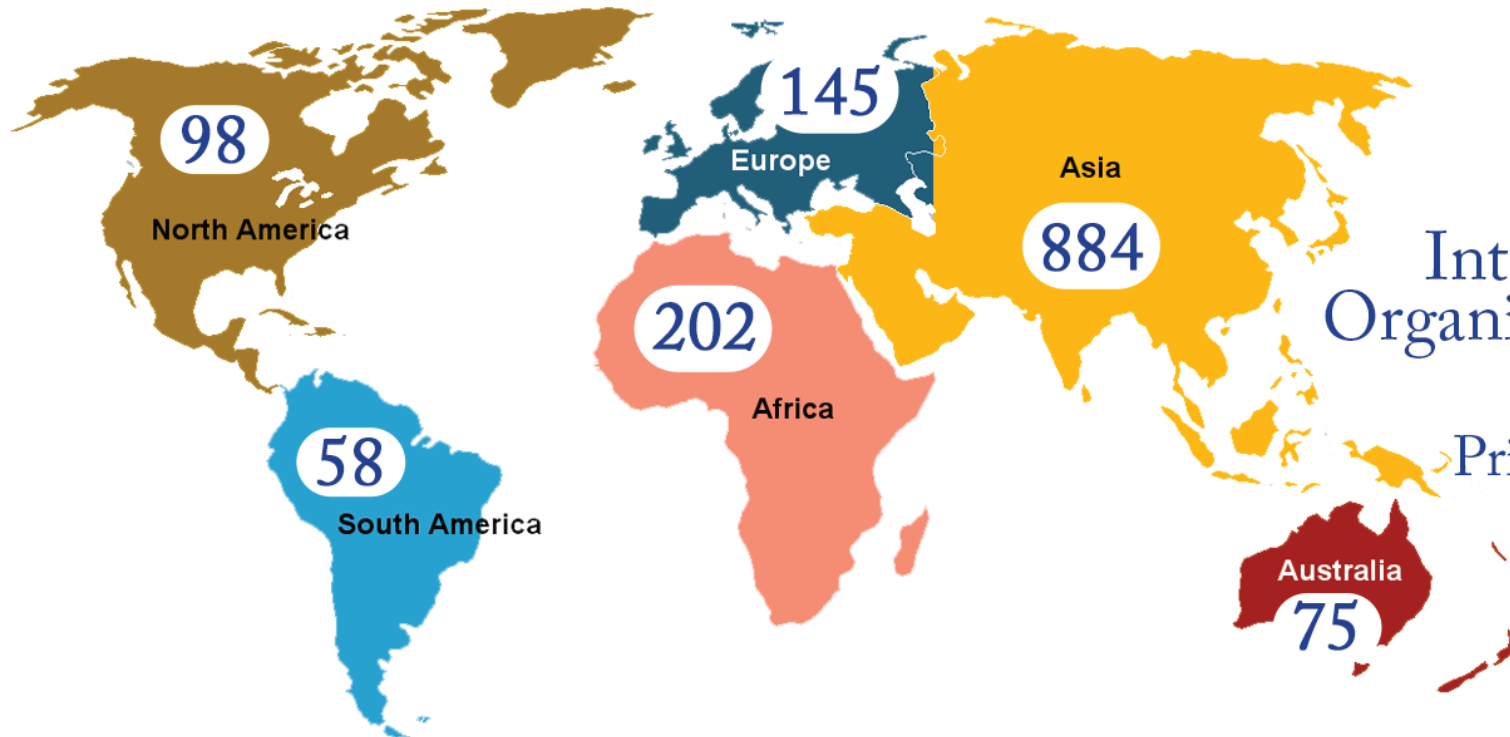
1,462  
individuals



254  
local  
(Philippines)



1208  
international



- Non-Government Organizations
- International Organizations
- National Government
- Private Companies
- Local Government
- Academe

# PRESENTING THE NDRMP COURSES



## Comprehensive Disaster Risk Management Framework (CDRMF)

An introductory course that gives an overview of the major disaster risk management (DRM) issues. It raises awareness of the growing risk of natural disasters, and promotes a culture of prevention. It also reviews the institutional arrangements and financing mechanisms of DRM systems, and identifies the role of national and local actors in the processes related to risk assessment, mitigation and financing. [more...](#)



## Community-based Disaster Risk Management (CBDRM)

A course that introduces concepts, tools, and mechanisms in designing and implementing community-based disaster risk management programs. It is suitable for community leaders and policymakers as it highlights the need for greater engagement with people or local actors and better understanding of their risks and resources. [more...](#)



## Climate Change and Disaster Risk (CCDR)

A course that aims at supporting the global agenda of managing the risks associated to climate change through increased knowledge and awareness. It explores the inter-linkages between disaster risk management and climate change adaptation. It also outlines strategies, methods and tools for integrated climate risk management. [more...](#)



## Damage and Reconstruction Needs Assessment (DRNA)

A course that introduces instruments and diagnostic tools for quantifying direct damages, indirect losses, and the overall macroeconomic effects and implications of catastrophic events to accurately estimate the resources needed for immediate recovery and long-term reconstruction. [more...](#)



## Earthquakes Risk Reduction (ERR)

A course that links the science and engineering of earthquakes to structural and non-structural risk reduction practices. It introduces the basic approaches to earthquake risk reduction by discussing their effectiveness in various regions of the world. It also presents a step-by-step guide to developing an earthquake risk reduction program. [more...](#)



## Financial Strategies for Managing the Economic Impacts of Natural Disasters (FINSTRAT)

A course that focuses on the financial, economic, and development impact of disasters, and the trade-offs (costs and benefits) involved in disaster risk financing. It provides policymakers and disaster managers with tools and institutional designs for improved planning and budgeting processes, as well as national macroeconomic projections. [more...](#)



## Risk-Sensitive Land Use Planning (RSLUP)

A course that demonstrates the benefits of incorporating disaster risk reduction (DRR) objectives in land use planning. It presents the process involved in integrating disaster mitigation with local land use management, and illustrates the advantages of this integrated approach using specific examples. It basically explores the link between land use planning and DRR. [more...](#)



## Safe Cities (SC)

A course that provides an overview of sound disaster risk management practice for local government policymakers, urban managers and planners, and DRR professionals. It reviews the processes, regulations, enforcement issues, and methods of reducing exposure to hazards and limiting the physical vulnerability of high-density settlements. [more...](#)



## Risk Analysis (RA)

A course that demonstrates how risk analysis is applied to formulate disaster risk reduction policies. It introduces tools and models used to assess disaster impact, both direct and indirect, and methods to quantify it for disasters.



## Gender and Disaster Risk Reduction (GDRR)

A course that contributes to improving knowledge of relevant policies, regulations and tools for implementing gender-sensitive disaster management practices, focusing on disaster recovery and reconstruction.

## NDRMP SUBJECT MATTER EXPERTS

**Dr. Fouad Bendimerad**  
Stanford University, USA

**Dr. Nilgun Okay**  
Istanbul Technical University, TUR

**Ms. Loreine Dela Cruz**  
Asian Institute of Management, PHL

**Dr. Julie Catherine Paran**  
University of the Philippines, PHL

**Dr. Marietta De Leon**  
University of the Philippines, PHL

**Dr. Asteya Santiago**  
University of Sydney, AUS

**Dr. Berna Burcak Basbug-Erkan**  
London School of Economics, UK

**Dr. Renato Solidum**  
University of California, USA

**Dr. Antonio Fernandez**  
Osaka University, JPN

**Dr. Renan Tanhueco**  
University of the Philippines, PHL

**Dr. Bijan Khazai**  
University of California Berkeley, USA

**Mr. Jerome Zayas**  
Tufts University, USA

# MODE OF TRAINING



## Online

Training is done online. Discussions between and among the Course Support Team (CST) and the students are done online using a moodle platform.



## Face-to-Face (can be arranged)

Training is done offline. Discussions between and among the Course Support Team (CST) and the students are done face-to-face.



## Blended (can be arranged)

Training is done both online and offline. There are sessions allotted for face-to-face consultations with the Subject Matter Expert (SME).

# NDRMP COURSE PACKAGES

Courses are bundled into four (4) packages. For every package, there are two (2) tracks. Under the competency track, there are two (2) required or basic [package A] and three (3) suggested or advanced [package B] courses. Under the specialization track, there are five (5) optional courses one can choose from. The competency track can be finished within one year.

|           | AUDIENCE  | ONE-YEAR COMPETENCY TRACK  |  | SPECIALIZATION TRACK  |
|-----------|---|--|--|---|
|           |   | (A) BASIC<br>[One (1) quarter]   | (B) ADVANCED<br>[Two (2) quarters]   | OPTIONAL COURSES  |
| PACKAGE 1 | <b>DISASTER RISK MANAGEMENT (DRM) PROFESSIONALS</b><br>Consultants, Researchers, Emergency Managers | Comprehensive Disaster Risk Management Framework (CDRMF)<br>Community-Based Disaster Risk Management (CBDRM) | Safe Cities (SC)<br>Climate Change and Disaster Risk (CCDR)<br>Gender and Disaster Risk Reduction (GDRR) | Earthquake Risk Reduction (ERR)<br>Financial Strategies for Managing the Impacts of Disasters (FINSTRAT)<br>Risk Analysis (RA)<br>Damage and Reconstruction Needs Assessment (DRNA)<br>Risk Sensitive Land Use Planning (RSLUP) |

|           | AUDIENCE  | ONE-YEAR COMPETENCY TRACK  |  | SPECIALIZATION TRACK   |
|-----------|---|--|--|--|
|           |   | (A) BASIC<br>[One (1) quarter]   | (B) ADVANCED<br>[Two (2) quarters]   | OPTIONAL COURSES   |
| PACKAGE 2 | <b>TECHNICAL</b><br>Urban planners, Zoning Officers, Engineers, Managers, Housing & Real Estate Professionals | Comprehensive Disaster Risk Management Framework (CDRMF)<br>Risk Sensitive Land Use Planning (RSLUP)         | Damage and Reconstruction Needs Assessment (DRNA)<br>Safe Cities (SC)<br>Risk Analysis (RA)                        | Earthquake Risk Reduction (ERR)<br>Financial Strategies for Managing the Impacts of Disasters (FINSTRAT)<br>Community-Based Disaster Risk Management (CBDRM)<br>Climate Change and Disaster Risk (CCDR)<br>Gender and Disaster Risk Reduction (GDRR) |
| PACKAGE 3 | <b>SOCIAL AND HUMANITARIAN</b>  | Comprehensive Disaster Risk Management Framework (CDRMF)<br>Community-Based Disaster Risk Management (CBDRM) | Safe Cities (SC)<br>Gender and Disaster Risk Reduction (GDRR)<br>Damage and Reconstruction Needs Assessment (DRNA) | Climate Change and Disaster Risk (CCDR)<br>Risk Sensitive Land Use Planning (RSLUP)<br>Earthquake Risk Reduction (ERR)<br>Risk Analysis (RA)<br>Financial Strategies for Managing the Impacts of Disasters (FINSTRAT)                                |
| PACKAGE 4 | <b>GOVERNMENT</b>   | Comprehensive Disaster Risk Management Framework (CDRMF)<br>Community-Based Disaster Risk Management (CBDRM) | Safe Cities (SC)<br>Risk Sensitive Land Use Planning (RSLUP)<br>Climate Change and Disaster Risk (CCDR)            | Earthquake Risk Reduction (ERR)<br>Financial Strategies for Managing the Impacts of Disasters (FINSTRAT)<br>Damage and Reconstruction Needs Assessment (DRNA)<br>Risk Analysis (RA)<br>Gender and Disaster Risk Reduction (GDRR)                     |

## NDRMP COURSE PACKAGE FEES

### For individual online enrollees

| PACKAGE              | NO. OF COURSES | TOTAL COSTS (US\$) | PERCENTAGE DISCOUNT (%) | DISCOUNTED AMOUNT (US\$) | TOTAL DISCOUNT (US\$) |
|----------------------|----------------|--------------------|-------------------------|--------------------------|-----------------------|
| A                    | 2              | 500                | 18                      | 410                      | 90                    |
| A and B              | 5              | 1250               | 19                      | 1,015                    | 235                   |
| A and B + 1 optional | 6              | 1500               | 20                      | 1,200                    | 300                   |
| A and B + 2 optional | 7              | 1750               | 21                      | 1,390                    | 360                   |
| A and B + 3 optional | 8              | 2000               | 22                      | 1,560                    | 440                   |
| A and B + 4 optional | 9              | 2250               | 23                      | 1,735                    | 515                   |
| All 10 courses       | 10             | 2500               | 25                      | 1,875                    | 625                   |

### For group online enrollees

| NO. OF PARTICIPANTS | PACKAGE | PERCENTAGE DISCOUNT (%) | PERCENTAGE DISCOUNT FOR EVERY ADDITIONAL COURSE (%) |
|---------------------|---------|-------------------------|---|
| 5 to 10             | A or B  | 15                      | 15  |
|                     | A and B | 20                      |   |
| 10 to 25            | A or B  | 20                      | 20  |
|                     | A and B | 25                      |   |
| 25 to 50            | A or B  | 25                      | 25  |
|                     | A and B | 30                      |   |
| 50 and up           | A or B  | 30                      | 30  |
|                     | A and B | 35                      |   |

### NOTES:

1. Courses should be paid at one time.
2. Courses availed are non-refundable, but are transferrable.  
A note should be sent one (1) week before the start of the course.
3. All courses availed should be taken within two (2) years after the date of payment.
4. Additional fees will apply for the face-to-face and blended trainings.

**STUDENTS WHO COMPLETE THE ONE-YEAR COMPETENCY TRACK WILL RECEIVE A DRM COMPETENCY CERTIFICATE**

## NDRMP COURSE SCHEDULE\*

- JANUARY** Risk Sensitive Land Use Planning (RSLUP)
- FEBRUARY** Community-Based Disaster Risk Management (CBDRM)
- MARCH** Earthquake Risk Reduction (ERR)
- APRIL** Comprehensive Disaster Risk Management Framework (CDRMF)
- MAY** Climate Change and Disaster Risk (CCDR)
- JUNE** Damage and Reconstruction Needs Assessment (DRNA)
- JULY** Comprehensive Disaster Risk Management Framework (CDRMF)
- AUGUST** Gender and Disaster Risk Reduction (GDRR)
- SEPTEMBER** Comprehensive Disaster Risk Management Framework (CDRMF)
- OCTOBER** Financial Strategies (FINSTRAT)
- NOVEMBER** Safe Cities (SC)
- DECEMBER** Risk Analysis (RA)

\*A special online class can be opened upon the request of an organization, given it has satisfied the minimum number of participants (15 individuals). Special classes can be conducted at the organization's most preferred time.



# BUILD YOUR PROFESSIONAL EXPERTISE IN DISASTER RISK REDUCTION

## ADMISSION REQUIREMENTS

### Registration (for individual enrollees)

Online registration only. Kindly visit this link and fill out the application at: <http://www.emi-megacities.org/ndrmp-form>

### Course Fee

US \$250.00

Aside from the course packages, discounts are also available through group enrollment to encourage institutional learning (one free applicant for each five participants registered)

## NDRMP POLICIES

### Language

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

### Expected Learning Effort

10 hours per week (1.67 to 2.5 Estimated CEU's earned)

\*CEU: Continuous Education Unit

### Equal Opportunity

EMI believes in equal access to knowledge for everyone. Applicants who cannot afford the fee will not be rejected.

### Contact Details

Mr. Jesus Dominic Dizon | Program Manager | [ndrmp@emi-megacities.org](mailto:ndrmp@emi-megacities.org)  
[www.emi-megacities.org](http://www.emi-megacities.org)



The **Global Facility for Disaster Reduction and Recovery (GFDRR)** is a major initiative launched in September 2006 that is designed to help meet the global demand for increased investment in disaster prevention and mitigation. The GFDRR aims to boost national, regional and global capacities to reduce disaster risk, particularly in low and middle income countries at high risk of disasters. The GFDRR represents an important new component of the architecture of the International Strategy for Disaster Reduction (ISDR) system. The GFDRR is supporting the ISDR System to catalyze global and regional partnerships towards achieving some of the global and regional deliverables under the overall Hyogo Framework for Action 2005-2015: Building the Resilience of Nations and Communities to Disasters.



**EMI** is an international scientific initiative founded in 1998 and established as a not-for-profit organization in the Philippines in 2003. It is a member of the U.N. Global Platform for Disaster Risk Reduction since 2005 and was granted Special Consultative Status by the U.N. Economic and Social Council (ECOSOC) in 2013.

One of EMI's core mandates is to build individual and institutional capacities of local and national governments and development and humanitarian practitioners to support the shift from reactive, disaster response orientation to one that is proactive and focused on disaster risk reduction.

