

# Graduate Level Teaching Module: Disasters, Environment and Risk Reduction (Eco-DRR)

## Promoting Sustainable and Disaster-Resilient Development

This highly interactive and problem-based module provides students with theoretical concepts and practical tools in understanding environment and disaster linkages and applications of ecosystem-based disaster risk management.

Compiled by researchers and practitioners from more than 15 countries and institutions worldwide, the module contains 50 hrs of teaching material (5 ECTS), including:

- Case studies from different countries,
- Role plays and exercises,
- Audiovisual media,
- Supporting education materials.

Course topics include understanding disaster risk and resilience, disaster trends analysis, ecosystem management tools for disaster risk reduction, climate change and ecosystem-based adaptation, and mainstreaming into development, among others.

**PEDRR**

Ecosystems for Adaptation  
and Disaster Risk Reduction

**CNRD**

Center for Natural Resources  
and Development

# Module Content

Block name	Teaching hours	Content
I. Elements of Disaster Risk Reduction	15 hours	Ten sessions including one group work
II. Ecosystem-based Disaster Risk Reduction	15 hours	Eight sessions including one group work and one case study or field trip
III. Eco-DRR Instruments and Approaches	15 hours	Nine sessions including one case study or field trip
IV. Mainstreaming Environment and DRR	5 hours	Four sessions including one role play



## Developed by

### CNRD Network

Universidade Federal Fluminense, Brazil  
Pontificia Universidad Católica de Valparaíso, Chile  
Ain Shams University, Egypt  
Cologne University of Applied Sciences, Germany  
Universitas Gadjah Mada, Indonesia  
University of Jordan, Jordan  
Universidad Autónoma de San Luis Potosí, Mexico  
Universidade Eduardo Mondlane, Mozambique  
Tribhuvan University, Nepal  
Vietnam Academy for Water Resources, Vietnam

### PEDRR Partner Institutions

United Nations Environment Programme (UNEP)  
International Union for Conservation of Nature (IUCN)  
United Nations University, Institute for Environment and Human Security (UNU-EHS)  
World Wide Fund for Nature (WWF)

### Other Partners

University of Innsbruck, Austria  
University of Santiago de Compostela, Spain  
Hue University, Vietnam  
University of Lausanne / Centre of Research on Terrestrial Environment

### Contact and Further Information:

<http://www.cnrn.info/index.php?teaching-material>

#### CNRD

**Dr. Udo Nehren**, Cologne University of Applied Sciences, Germany, [udo.nehren@fh-koeln.de](mailto:udo.nehren@fh-koeln.de)  
**Simone Sandholz**, University of Innsbruck, Austria, [simone.sandholz@uibk.ac.at](mailto:simone.sandholz@uibk.ac.at)

#### PEDRR

**Marisol Estrella**, UNEP, Switzerland, [marisol.estrella@unep.org](mailto:marisol.estrella@unep.org)  
**Dr. Karen Sudmeier-Rieux**, UNEP, Switzerland, [karen.sudmeier@unep.org](mailto:karen.sudmeier@unep.org)

Supported by:

DAAD

Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service



Federal Ministry  
for Economic Cooperation  
and Development