



UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

Dipartimento di Scienze
Chimiche e Geologiche

PhD Course in 'Models and
Methods for Material and
Environmental Sciences'

Environmental risks and their societal impact

February 6-7, 12-13, 27-28

Dipartimento di Scienze Chimiche e Geologiche, Via Campi 103, Modena

Dr. Mihai Micu

Romanian Academy, Bucharest, Romania

Thursday, February 6

Seminar 1 (14:00 – 18:00; Aula U0.1): *Sustainability and environmental risks in the modern world: old problems and new paradigms*

Friday, February 7

Seminar 2 (09:00 – 13:00; Aula U0.1): *Environmental and climatic changes: uncertainties for developing sustainable societies*

Seminar 3 (14:00 – 16:00; Aula U0.1): *Societal challenges for sustainable development*

Wednesday, February 12

Seminar 4 (14:00 – 18:00; Aula Uint.5): *Environmental hazard assessment through space-time prediction and modeling: processes and consequences*

Thursday, February 13

Seminar 5 (09:00 – 13:00; Aula Uint.5): *Exposure and vulnerability: key-issues in building resilient societies*

Seminar 6 (14:00 – 16:00; Aula Uint.5): *Environmental risk estimation and evaluation*

Thursday, February 27

Seminar 7 (14:00 – 18:00; Aula Uint.2): *Environmental risk management*

Friday, February 28

Seminar 8 (09:00 – 13:00; Aula Uint.2): *Environmental risk culture: prevention and reaction through single to multi-risk assessment*

Seminar 9 (14:00 – 16:00; Aula Uint.2): *Sustainable development through transdisciplinarity*

Course contents

Environmental risks represent a major issue to be tackled by scientists and by the society in terms of disaster risk reduction, as emphasized by the Sendai Framework for Disaster Risk Reduction of the United Nations (2015-2030). This framework was adopted due to the increase of both frequency and intensity of catastrophic events which have been recently recorded due to environmental and climatic changes. The Sendai Framework emphasizes the urgent need of pre-disaster planning strategies to enhance societal resilience. In this framework, the purpose of this course is to provide the scientific support for the implementation of risk management strategies and governance plans, also in relation to the 17 Sustainable Development Goals which have been established within the 2030 Agenda for Sustainable Development.

PARTICIPATION

The course is offered to Master and PhD students interested in the topic. At the end of the course, a certificate of attendance will be delivered to each participant. Certificates can be released also for attendance at single seminars. For further information please contact Prof. Mauro Soldati at soldati@unimore.it

LOGISTICS

Accommodation is available at Hotel Astor on a B&B basis, nearby the Department, at a cost of 44 EUR for a single room, 59 EUR for a twin and 74 EUR for a triple room. For booking please contact directly the hotel at info@hotelastormodena.com