

Aims and objectives

The master is aimed at training highly qualified employment to support the assessment, mitigation and management of catastrophic events such as earthquakes, landslides, floods (ELF - Earthquake, Landslide, Flood). It is basically a plan which meets the need for building a profile as an expert in analysis and management of natural risks who has a broad and general vision based on knowledge of the territory, the various risk scenarios and the resources available and is able to actively contribute to the preparation of adequate mitigation measures.



Who's it for

The Master is aimed both at those who already work public and private institutions, interested in increasing and updating their ability and background in matters, and at young graduates interested in studying new issues or topics barely learned in the course of study, in order to facilitate the entry into employment.

Expected launch November 2021

Career opportunities

The master offers professional opportunities both in the private sector and in public administrations dealing with the problem, such as

- Ministry of the Environment, Department of Civil Protection, Regional Civil Protection Offices, Regional Environmental Protection Offices, Regional Environmental Protection Agencies, District Authorities, Municipal Technical Offices;
- ISPRA, ENEA, CIMA, INGV, CNR, CMCC, as research centers;
- JRC, UNISDR, DRMK CENTER, as International Structures;
- Engineering company, environmental consultancies, professional studies, manufacturers in natural risk, as private structures.

MASTER FOR MULTI-RISK ANALYSIS AND CIVIL PROTECTION PLANNING

2021-2022



Seminars scheduled

- Seismic vulnerability, Safety of existing buildings.
- Responsibility in the risk society.
- International strategies for risk mitigation European, national and regional weather-hydro warning systems and / or warning systems.
- Experiences and best practices in risk mitigation on a regional scale.
- Activities of national and international applied research institutes.

Teaching plan

Training Activity	Hours	SSD	CFU
Integrated risk assessment and management	40	ICAR/02	4
Flood risk	35	ICAR/02	3,5
Landslide risk	30	GEO/04	3
GIS and thematic cartography	30	ICAR/02	3
Earthquake risk	65	ICAR/08	6,5
Hydrogeological risk mitigation: Structural measures	40	ICAR/02	4
Hydrogeological risk mitigation: Non Structural measures	30	ICAR/02	3
Seismic risk mitigation	50	ICAR/08	5
Innovative monitoring techniques	30	ING-INF/02	3
Other natural hazards	50	ING-IND/24	5
Stage	300		

Location and contact details

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