

Methods for **landslide hazard assessment** at different scales and applications in environmental studies

27-29 March 2019

Dipartimento di Scienze Chimiche e Geologiche
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Landslides represent important geomorphic processes, from both theoretical and applied perspectives, whose investigation is fundamental for disaster risk reduction, as recognized by the Sendai Framework 2015-2030 of the United Nations. Their morphogenesis provides different proxies for the modelling of future occurrences and space-time distributions, offering a consistent input to risk analysis, evaluation and management, which are crucial in environmental studies.

The purpose of the course is to provide an overview on the classic and newly-emerged methods for landslide susceptibility and hazard assessment at different scales, with special emphasis on the importance of sensitivity analysis within such approaches and their potential in environmental studies. The course will include lab work, devoted to outlining the place, role and importance of uncertainties that may arise, from process inventory to local and regional future predictions in different environments. Finally, the course aims at outlining the importance of landslide hazard assessment in interdisciplinary investigations related to risk mitigation and management, providing useful tools and skills to geologists, civil and environmental engineers and field scientists in general.



PROGRAMME

Wednesday 27 March · 14:00-18:00

Thursday 28 March · 9:00-13:00 · 14:00-18:00

Friday 29 March · 9:00-13:00

Accommodation can be available at Hotel Astor on a B&B basis, nearby the Department, at a cost of 44€ for a single room, 59€ for a twin and 74€ for a triple room. For booking please contact *Vittoria Vandelli* vittoria.vandelli@unimore.it

PARTICIPATION

The course is offered to a maximum of 15 postgraduate and PhD students dealing with the topic.

For admission in the course, please contact *Mauro Soldati* soldati@unimore.it before **28 February**. Participation is on a first come, first served basis. At the end of the course a certificate of attendance will be awarded to each participant.