



European
Large
Geotechnical
Institutions
Platform

Thursday, 16th May 2024
9:00

Albenga Room,
DISEG, Entry 1

ELGIP Workshop on **Resilience of mountain environments**

- 9.00 *Welcome* – **I. Prodan**, ELGIP President, **H. Zachert**, ELGIP Vice President
- 9.05 *Opening and introduction* – **P. van den Berg**, ELGIP secretary, **M. Barla**, PoliTo
- 9.10 *Climate change effects on landslides: a novel machine learning-based approach* – **A. Pourfatollah**, **M. Barla**, **A. Insana**, PoliTo
- 9.25 *Recent developments in using fiber optics for mountain environment protection: from laboratory to site scale* – **A. Insana**, **M. Barla**, PoliTo
- 9.40 *Methodology for overview mapping of stability in gullies and till slopes* – **H. Löfroth**, SGI
- 10.00 *Norway's mountain hazards: recent advances in understanding and highlights from current research initiatives* – **G. Gilbert**, NGI
- 10.20 *Instrumentation to understand rockfall motion on mountainous areas* – **B.M. Mendonca de Souza**, Eiffel University
- 10.40 *Dutch mountain resilience* – **T. Peters**, Deltares
- 10.50 Break
- 11.10 *Seismic design of slopes: combined-intensity-measures matching approach* – **A. Marin**, ETH
- 11.30 *Study and stabilization of a reactivated palaeoslide in the area around a ski resort in the Pyrenees* – **M. Muñiz**, CEDEX
- 11.50 *Seismic design of high manmade slopes from lignite mining* – **J. Machacek**, TU Darmstadt
- 12.10 *Shallow geothermal potential maps for Polish Carpathians. Renewable heating and cooling with the use of GSHP systems as an improvement of resilience of mountain environments* – **G. Ryżyński**, PGI-NRI
- 12.30 *Geotechnical resilience of Slovenian mountain environments* – **B. Zlender**, University of Maribor
- 13.00 Closure