

# Natural Hazards in Mountain Areas

April 22<sup>nd</sup>, 2021 (14.00 – 17.00)



EUROPEAN  
UNIVERSITY  
ALLIANCE

The seminar will be held online on the following link: [meet.google.com/bxi-ybcq-rzw](https://meet.google.com/bxi-ybcq-rzw)

## Methodologies

### in Research

14.00-15.00 (15')

1) Camera, Apuani, Bajini, Stevenazzi (Univ. Milano):

Introducing the climate component into landslide susceptibility mapping

2) Veit (Univ. Heidelberg):

Measurement of rock glacier surface change using LiDAR

3) Trembl, Tumajer (Charles Univ.):

Using tree rings in research of natural hazards in mountains

## Case Studies

15.00-16.00 (15')

1) Masetti, Apuani, Camera (Univ. Milano):

Multi-scale approach for terraced slope stability

2) Nüsser, Schmidt (Univ. Heidelberg):

Glacier-induced hazards in the Himalayas

3) Kropáček, Vilímek (Charles Univ.):

A preliminary assessment of Chamoli disaster in the Indian Himalayas by remote sensing

## Presentations of PhD Students

16.00-17.00 (5')

1) Bajini, Apuani, Camera, Brenning (Univ. Milano):

Geomechanical rock mass properties to improve rockfall susceptibility in an alpine environment:  
A case study in Valchiavenna

2) Morcioni, Apuani, Cecinato (Univ. Milano):

The role of temperature in alpine slope instabilities:  
Numerical modelling of the historical  
Cimaganda Rockslide

3) Pigazzi, Apuani, Bersezio (Univ. Milano):

A stop along the A.M.AL.PI.18 geotourist itinerary to discover large alpine landslides: The Piuro 1618 disaster

4) Bařka (Charles Univ.):

GLOF hazard assessment in the C. Huayhuash, Perú

5) Dlabářková (Charles Univ.):

Preliminary results of exposure and relative dating of rock glaciers in Western Tatra Mts.

6) KroczeK (Charles Univ.):

Gurudongmar lake complex development and GLOF susceptibility assessment, Sikkim Himalaya, India

7) Kvak (Charles Univ.):

Supercells representing severe weather in the Western Carpathians

8) Vlach (Charles Univ.):

Changing streamflow drought seasonality in Central European headwaters

