

APPLIED GEOLOGY

Applied Geology for prediction, prevention and mitigation of geohazards



The research deals with various issues:

- Prediction, prevention and mitigation of geo-hydrological hazard focusing, in particular, on shallow landslides susceptibility assessment, risk mitigation measures and critical rainfall thresholds for shallow landslides;
- Landslide susceptibility assessment of coastal cliffs;
- Evolutionary processes and monitoring of large landslides and Deep-Seated Gravitational Slope Deformation (DSGSD);
- Engineering geological characterization of geologic materials (soils, rocks) and waste;
- Engineering geological investigations for seismic microzonation;
- Relationships between coastal landslides and sedimentary dynamics;
- Applied geology for the study of sites of historical-environmental interest.

Keywords:

Applied Geology, Engineering Geology, Geo-hydrological hazard

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