



**SPECIAL
SESSION ON**

LANDSLIDES

**PROCESSES,
HAZARD,
VULNERABILITY
AND RISK**

Landslides can lead to devastating direct and indirect consequences, resulting in fatalities, damage to property, loss of livelihood, and sediment transfer across environments ranging from steep terrains to gentle hillslopes. Often embedded in multi-hazard scenarios, landslides can be preconditioned or triggered by earthquakes, heavy rainfalls, or wildfires, while flash floods and landslide dams are possible subsequent processes in those hazard cascades. Addressing the landslide phenomena presents a significant challenge for the geoscience community, encompassing process understanding, along with hazard, vulnerability, and risk assessments. The proposed session is designed to convene researchers engaged in various aspects of landslide studies. The session's scope extends from local to global scales, covering empirical investigations into landslide process chains, the advance of models and monitoring techniques aimed at understanding landslide dynamics, cutting-edge methods for predicting and forecasting landslides, the assessment of socio-economical vulnerabilities, the interactions between landslides and human activities, as well as other natural extremes.

Conveners



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