

## **CALL FOR SESSIONS**

### **HIGH MOUNTAIN NATURAL HAZARDS AND PROCESSES IN A CHANGING CLIMATE**

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### **ABSTRACT SESSION**

High mountains are responding promptly and with great intensity to climate change, which is particularly pronounced in these environments. One of the main effects is the cryosphere degradation, with serious consequences on the high mountain equilibria: all environmental processes, including natural hazards, are increasing in frequency and magnitude, and are changing in type, timing and location. At the same time, high mountains are attracting growing interest, due to higher and higher tourist numbers and development pressures, with increasing rates in the transport of people and goods.

This session invites contributions aimed to improve our understanding of high mountain hazards and processes in a warming climate, including any type of mass movement (ice and rock falls/avalanches, debris flows, destabilization of rock glaciers and moraines, ...) and hydrological/geomorphological processes and their trends. We welcome contributions that consider past, present and future hazards and processes, as well as all risk components. Contributions that provide insights into hazard and risk assessment, monitoring and modelling, and/or strategies for preventing, mitigating and adapting to the impacts of climate change are encouraged.