



EGU Galileo conference
co-organized with the Nepal Geological Society

Perturbations of earth surface dynamics caused by extreme events

Nepal | 13-19 October, 2019

<https://www.egu-galileo.eu/gc6-perturbations>



Rare or catastrophic events, such as large earthquakes, extreme storms, tsunamis, floods, wildfires, or volcanic eruptions, can have complex and long-lasting effects on Earth surface processes and biogeochemical cycles, potentially dominating system dynamics over long time scales. This conference will bring together scientists studying a range of rare/extreme events and their broader impacts on Earth surface processes, biogeochemical cycles and human systems.



Conference themes will include

- 1) the adjustment of Earth surface processes to event-driven perturbations
- 2) commonalities and differences between events of different types
- 3) feedbacks between different systems that can enhance post-event impacts
- 4) length scales, time scales, and magnitudes of perturbations
- 5) tipping points in Earth surface systems which yield into instability or irreversibility

Abstract submission opens in Feb., deadline in May
Due to venue size, the conference will be limited to 80 participants

1.5 days field excursion, looking at multiple extreme events, including the Gorkha Earthquake, glacial lake outburst floods, and a mega-landslide



3 days in the Bhoté Koshi River valley at Borderlands Resort



1.5 days in Kathmandu at the View Brikuti Hotel

