

EINLADUNG ZUM GASTVORTRAG

am **MONTAG, 20. MAI 2019, 17:30 UHR**

INSTITUT FÜR GEOGRAPHIE UND REGIONALFORSCHUNG
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EARTHQUAKES AND LANDSLIDES: Understanding the dynamic risk from coseismic landslides

Recent large earthquakes in mountainous regions have demonstrated the importance of understanding the risk posed by coseismic landslides, particularly to linear infrastructure such as roads. As the number of available coseismic landslide inventories has increased, so has our ability to successfully model the hazard posed from these landslides. However, these successes in modelling hazard have rarely translated into success in modelling the consequent risk to infrastructure. Furthermore, the outputs are almost always static, focussing on the hazard that occurs only in the seconds-to-minutes during the earthquake. This talk will discuss approaches for using coseismic landslide hazard maps to derive estimates of risk and the importance of considering the dynamic nature of these landslides and consequently the dynamic nature of the risk they pose.

Tom Robinson is the Addison Wheeler Fellow in the Department of Geography and Institute for Hazard, Risk, and Resilience at Durham University. His research interests focus on modelling and understanding risk from earthquakes and landslides in mountainous environments with a particular focus on contingency planning and disaster risk reduction. For his research on modelling landslide risk, he was named as a finalist for the prestigious Lloyd's Bank Science of Risk Prize. He works with a range of stakeholders including the UN, WFP, DfID, Red Cross and UN-OCHA on planning for future earthquakes and the impacts they can cause.

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