

PhD Position in

'Infrastructure and systemic vulnerability'

The open position is part of the *Mobiliar Lab for Natural Risks*. The goal of the Mobiliar Lab is to study and to quantify the spatio-temporal characteristics of climate risks and natural hazards and their impacts upon the Swiss society. The focus is on applied research and practical applications. The Mobiliar Lab for Natural Risks (www.mobiliarlab.unibe.ch) is part of the Oeschger Centre for Climate Change Research at the University of Bern.

We have an opening for a 3 year PhD position (starting April 2017).

The PhD project focus on different types of infrastructure in Switzerland and possible impacts by water-related hazards. The project will address topics on and the analysis of (i) flood exposure of infrastructure and (ii) the interconnectedness of infrastructure elements. Further objectives are to identify functional dependences as well as to develop approaches for modelling systemic flood vulnerability (network analysis). The PhD project will be supervised by PD Dr. Margreth Keiler (Institute of Geography, University of Bern) and will enrol in an interdisciplinary research environment.

We are looking for a highly motivated candidate who

- holds a Master degree in the fields of geo-informatics /-statistics, geography or similar,
- is eager to work in flood risk research,
- has good skills in GIS, networks and network theory; or/and system model,
- likes to work in a trans-disciplinary research environment and to develop creative strategies,
- is interested in applied research,
- is fluent in English and has at least basic knowledge of German.

Basic knowledge in Swiss geography would be an asset in any case.

The close collaboration with the Swiss Mobiliar Insurance company offers the possibility to transfer the research results into practice.

The gross salary is fixed according to Swiss National Science Foundation regulations.

For informal inquiries about the PhD position and questions regarding the Mobiliar Lab for Natural Risks, the Oeschger Centre and the University of Bern please contact Margreth Keiler (margreth.keiler@giub.unibe.ch).

Please send your application (letter of motivation, CV, names and addresses of two references, diploma and transcript) in **ONE pdf** file to Markus Mosimann (markus.mosimann@giub.unibe.ch). **Review of applications will start on February 1, 2017** and will be continued until the position is filled. **Interviews are planed between February 16 -21, 2017.**

Applications from qualified women are warmly encouraged.