

Public Job Advertisement

In October 2015, the DFG Research Training Group “Natural Hazards and Risks in a Changing World” (NatRiskChange) was established at the University of Potsdam and is run in cooperation with the Freie Universität of Berlin, the Helmholtz Centre Potsdam GFZ German Research Centre for Geosciences, Helmholtz Centre for Environmental Research UFZ and the Potsdam Institute for Climate Impact Research (PIK).

NatRiskChange aims to develop methods that improve hazard and risk analyses and quantifications based on the transient, non-stationary nature of hazards and risks in response to changing natural and anthropogenically altered components of the Earth system. Key scientific aims are the development, testing and pilot application of studies on the identification, quantification and prediction/projection of transient natural hazards and associated risks. Floods, earthquakes, and mass movements are of major research interest, but windstorms and wildfires also play a role.

Together with its partners, the University of Potsdam jointly offers the following positions in the DFG-Research Training Group “Natural Hazards and Risks in a Changing World” (NatRiskChange):

12 Academic Staff Members (12 PhD-positions, 0.75 part-time at the salary grade E 13 TV-L)

Applicants can apply for up to three of the following topics:

- 324-I10/2021: Point process modelling of induced seismicity (Supervisors: PD Dr. Sebastian Hainzl, GFZ Potsdam; Prof. Dr. Matthias Holschneider, apl. Prof. Dr. Gert Zöller, both University of Potsdam)
- 324-I11/2021: Discrimination of Subglacial Flood Types based on seismological and remote sensing data (Supervisors: Prof. Dr. Eva Eibl, University of Potsdam; Dr. Sigrid Rössner, GFZ Potsdam)
- 324-I12/2021: The spatiotemporal signature of extreme rainfall under climate change: cross-scale propagation of effects on flash flood hazard (Supervisors: PD Dr. Maik Heistermann, University of Potsdam; Prof. Dr. Henning Rust, FU Berlin; Mentor: Dr. Gerd Bürger, University of Potsdam)
- 324-I13/2021: Multiple flood experience and social resilience (Supervisors: Prof. Dr. Christian Kuhlicke, UFZ Leipzig & University of Potsdam; Prof. Dr. Annegret Thieken, University of Potsdam)
- 324-Q9/2021: The effect of meteorological hazards on dynamics of vulnerability (Supervisors: Prof. Dr. Henning Rust, Prof. Dr. Uwe Ulbrich, both FU Berlin)
- 324-Q10/2021: Impact of extreme events on topological robustness of interdependent infrastructure networks (Supervisors: Dr. Norbert Marwan, PIK Potsdam & University of Potsdam; Prof. Dr. Bruno Merz, GFZ Potsdam & University of Potsdam)
- 324-Q11/2021: Quantifying the contributions of hazard, exposure and vulnerability changes to flood damage trends (Supervisors: Prof. Dr. Bruno Merz, GFZ Potsdam & University of Potsdam; PD Dr. Heidi Kreibich, GFZ Potsdam & HU Berlin)
- 324-Q12/2021: Contribution of wind and topography on wildfire hazard (Supervisors: Dr. Kirsten Thonicke, PIK Potsdam; Prof. Dr. Henning Rust, FU Berlin)
- 324-Q13/2021: Quantifying changes in exposure, vulnerabilities and risks of pluvial and fluvial floods (Supervisors: Prof. Dr. Annegret Thieken, PD Dr. Maik Heistermann, Dr. Tobias Sieg, all University of Potsdam; Prof. Dr. Fabrice Cotton, GFZ Potsdam & University of Potsdam)
- 324-P8/2021: Changing water and energy conditions and their relevance for water and sediment pulses in Alpine areas (Supervisors: Prof. Dr. Axel Bronstert, Prof. Oliver Korup, PhD, both University of Potsdam)
- 324-P9/2021: Introducing big-data and crowdsourcing to seismic hazard assessment (Supervisors: Prof. Dr. Fabrice Cotton, GFZ Potsdam & University of Potsdam; Dr. Matthias Ohrnberger, Dr. Niels Landwehr, both University of Potsdam)
- 324-P10/2021: Predicting large landslides in a changing climate (Supervisors: Prof. Oliver Korup, PhD, University of Potsdam; Prof. Dr. Jürgen Kurths, PIK Potsdam & HU Berlin, Dr. Norbert Marwan, PIK Potsdam & University of Potsdam)

Responsibilities and requirements depend on the PhD-project and are outlined on the website <http://www.uni-potsdam.de/en/natriskchange/index/job-opportunities.html>. Candidates can apply for up to three projects and shall explain their motivation for choosing them. The PhD-posts are part-time (75%), fixed-term employment contracts for 3 years. The salary scale is TV-L E13. Employment in all positions shall begin on 1st October 2021. Handicapped applicants will be given preference in case of equal suitability. The NatRiskChange consortium strives to increase the proportion of women in research and specifically encourages females to apply for these positions.

Applications should include the following components: CV, letter of motivation, research interests (specific interests and research plan for PhD-project), a record of studies, master and bachelor certificates including a transcript of records, two letters of recommendation as well as an English language certificate. Applications can only be submitted in one single PDF-file through <https://www.geo-x.net/natriskchange/>. Deadline for applications is **15th May 2021**.

Potsdam, 31st March 2021