

PhD position in modeling of climate damages

starting on 01.12.2018, salary group E13, working time of 26 hours per week

Member of



POTSDAM INSTITUTE FOR
CLIMATE IMPACT RESEARCH

The climate needs bright minds. The Potsdam Institute for Climate Impact Research (PIK) addresses crucial scientific questions in the fields of global change, climate impacts and sustainable development. It is one of the world's leading research institutions in its field and offers natural and social scientists from around the world an inspiring environment for excellent interdisciplinary research.

For the BMBF-funded project SLICE: "Short- and Long-Term Impacts of Climate Extremes PIK is offering

a PhD position in modeling of climate damages (E13, 65%)

starting on **01.12.2018**.

(Position number: RD2-PhD position-33-2018)

The position **is funded** until 31.10.2021. Remuneration is in accordance with German public tariff scheme (TV-L Brandenburg), salary group E 13. This is a part-time position with a weekly working time of 26 hours per week.

Key responsibilities:

- Conduct your PhD on modeling of climate damages by applying and extending the open-source economics of climate adaptation toolbox *climada*.
- Write and publish articles in peer-reviewed journals that highlight findings from the research project and present research findings at international conferences and workshops.
- Contribute to the organization and conduct of stakeholder workshops with the project's international stakeholders.

Requirements:

- Master degree (or equivalent) in Physics, Computer Science, Environmental or Resource Economics, Mathematics or in a related field.
- Profound expertise in object-oriented programming, preferably with python or another high-level language (e.g., C++); familiarity with Unix like environments, shell programming, and version control systems (e.g., git).
- Experience in software development is a strong asset.
- Profound expertise in statistics and data science (e.g., NumPy, SciPy, Pandas, scikit-learn).
- First experiences in climate impact assessments or risk assessments is an advantage.

We expect:

- strong analytical and organisational skills,
- team-oriented attitude with strong communication skills in oral and written English,
- the ability to work independently and on your own initiative,
- structured and goal-oriented thinking,
- capacity to familiarise quickly yourself with new topics,
- creativity and openness to new approaches.

We offer:

- an inspiring, international, and interdisciplinary work environment in one of the world's leading research institutes on climate change impacts,
- high-impact of your own research through publications in renowned international journals,
- opportunities for cooperation with PIK's national and international network of leading climate and economic research institutes,
- regular research stays at the Institute for Environmental Decisions of the ETH Zurich/MeteoSwiss (Switzerland) with Prof. David N. Bresch, who will co-supervise the PhD project,
- a collective pay scheme and associated benefits.

PIK seeks to increase the share of women in scientific positions and therefore explicitly encourage women to apply. In cases of equal qualification and within the given legal scope, women will be given preference. Applications by persons with a migration background, provided they fulfill the conditions for appointment, are expressly encouraged. Applications of disabled persons with equal qualifications will be regarded favourably. PIK is also encouraging applications by parents returning from parental leave within the availability of financial resources.

Please send your full application **as a single PDF document by Email** (Reference: RD2-PhD position-33-2018), quoting the position number given above and mentioning where you read about the position by **07.11.2018** at the latest

to

Dr. Tobias Geiger and Dr. Christian Otto at

bewerbung@pik-potsdam.de

The size of the file should not exceed 15 MB.

For further information or to discuss the position please contact

Dr. Tobias Geiger at geiger@pik-potsdam.de or

Dr. Christian Otto at Christian.Otto@pik-potsdam.de.



erstellt von Kerstin Duckstein — zuletzt verändert: 18.10.2018 07:37

