



## Postdoctoral Researcher Position in Agricultural Systems' Analysis in Research Domain 2 at the Potsdam Institute for Climate Impact Research (PIK)

**3-year position, 100%, TV-L E13**

The Potsdam Institute for Climate Impact Research ([PIK](#)) addresses crucial questions in the fields of global change, climate impacts, energy system transformation, and sustainable development. Natural and social scientists work together to generate interdisciplinary insights that provide a sound basis for decision-making in society and policy. PIK's historic science campus on Telegrafenberg Potsdam is in 30 minutes commuting distance from Berlin. PIK seeks to increase the number of women in scientific positions.

### Job Description

We are looking for a Postdoctoral Researcher in the field of statistical agricultural modeling and agricultural economics, agronomy, or risk management who will conduct and supervise research activities in the field of agricultural system analysis, risk modeling for crop insurance solutions and transfer these results through active engagement with private and governmental partners in the target countries (Tanzania, Peru, and India).

Working together with the Indian, Peruvian and Tanzanian government, research institutes and private organizations (e.g. insurers), we aim to transform research into user-oriented climate services and policy that enable each country to better adapt to climate change. This position will focus on developing risk transfer and risk management solutions (i.e. agricultural insurances and yield forecasts) to stabilize the crop production of smallholder farmers. The work is carried out within two projects funded by the [International Climate Initiative \(IKI\)](#) and by the EU project [H2020 Insurance](#).

### Key Responsibilities

- Improve and apply crop models with the aim of advancing their utilization for risk assessments
- Organize and conduct workshops with a broad range of stakeholders including governments, insurers and other risk management and transfer providers in Tanzania, India and Peru
- Contribute to the implementation of projects through close collaboration with other researchers at PIK as well as the involved stakeholders
- Project management, writing of project reports and applying for funding
- Write and publish articles in peer-reviewed journals that highlight findings from the research projects and present research findings at international conferences

We further encourage you to pursue your own research interests, which should have a thematic overlap with the above responsibilities.

## Requirements

- You hold a PhD in agricultural economics, agricultural science, statistics, economics, geography, or related fields with a quantitative, empirical orientation and knowledge of agriculture (agronomy and agricultural economics). Knowledge and work experience in tropical agriculture, sustainable development and/or climate impact analysis is a valuable
- You have profound experience in statistical (crop) modelling or other statistical agricultural or climate impact modeling
- You hold solid expertise in statistics, programming skills in R and with NetCDF file format. Experience with other programming languages, GIS, remote sensing satellite data and process-based crop models is valuable
- Experience and interest in stakeholder engagement as well as communicating scientific results to a non-scientific community are desirable
- Experience in project management and writing proposals for further funding is valuable
- Existing experience in supervise PhD and Master students is an valuable
- You have excellent communications skills and are fluent in oral and written English. Proficiency in Kiswahili and/ or Spanish is an asset

## We offer

- An inspiring, international, and interdisciplinary work environment in one of the world's leading research institutes on climate change
- High-impact of your own research through publications in renowned international journals
- Participation in user driven research projects with international partners
- Insights into international projects with extensive stakeholder engagement
- Opportunities for cooperation with PIK's national and international network of leading climate and agricultural research institutes
- Guidance and supervision in postdoc career development

## Conditions

- The envisaged starting date for the position is **as soon as possible** and subject to approval of funding.
- The position will be funded for **3 years**.
- Salaries are according to the German public tariff scheme **E13 TV-L, 100%**.

In cases of equal qualification, women will be given preference for science positions. PIK actively promotes the compatibility of career and family life through a variety of measures. Disabled applicants of equal scientific and personal suitability for the post will be preferred. The position can also be filled part-time. PIK encourages applications by parents returning from parental leave.

## Application

Application documents should comprise a letter of motivation including research interests and publication list, a CV, and a sample of your work (e.g. journal publication).

**Closing date is February 13<sup>th</sup>, 2018.**

Please send your documents by email as a single PDF (not more than 15MB) to: [rd2jobs@pik-potsdam.de](mailto:rd2jobs@pik-potsdam.de) using the reference subject **EPICC\_RD2\_PostDoc\_Agr**. For any queries regarding the position, please contact Christoph Gornott at [gornott@pik-potsdam.de](mailto:gornott@pik-potsdam.de).