

The Faculty of Organic Agricultural Sciences, **Department of Agroecosystem Analysis and Modelling** (Prof. Dr. Gornott) is offering the following position at University of Kassel to start as soon as possible:

## **Post-doctoral position in crop modelling (m/f/d)**

EG 13 TV-H, funded for three years, full time (40 hours per week)

**Application deadline: 17.12.2020**

Date of Hire: as soon as possible

Reference: 33648

The position is funded for three years with the possibility to prolong for another three years (Qualifikationsstelle gem. § 65 HHG i. V. mit § 2 Abs. 1 Satz 2 WissZeitVG). There is a possibility to write a habilitation.

The Department “Agroecosystem Analysis and Modelling” has a strong collaboration with the Working Group “Adaptation in Agricultural Systems” at the Potsdam Institute for Climate Impact Research (PIK). This position will work closely with this group at PIK.

We are looking for a Postdoctoral researcher to join our team in the field of crop modelling, both process-based and empirical, for estimating climate impacts and derive adaptation measures for agriculture mainly in developing countries. Working together with universities, research institutes, governments, international and private organizations primarily in sub-Saharan Africa, we aim to transform research into user-oriented climate services and policy transfer that enables stakeholders to better adapt to climate change in the field of agriculture.

### **Responsibilities:**

- Improve and apply crop models with the aim of advancing their utilization for agricultural risk assessments
- Coordinate and contribute to the implementation of research topics through close collaboration with other researchers at University of Kassel, PIK as well as the involved stakeholders
- Write and publish articles in peer-reviewed journals that highlight findings from the research and present research findings at international conferences
- Prepare and hold lectures for the Bachelor and Master programmes of the Faculty of Organic Agricultural Sciences, supervise theses
- Liaise and maintain communication with project donors, preparing project progress reports and policy briefs
- Manage projects, develop new project proposals and apply for funding

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

### **Requirements:**

- You hold a Master degree and a PhD in the field of Agricultural Science, Geoinformatics, Geography, Agricultural Economics, Statistics or related fields with a quantitative, empirical

orientation and sound knowledge about agricultural systems. The required qualification certificates must be available by the appointment date at the latest

- Knowledge and work experience in tropical agriculture, sustainable development and/or climate impact analysis is valuable
- You have profound experience in process-based and/or statistical crop modelling or related climate impact modelling
- You hold solid expertise in statistics, programming skills in R, are familiar with large data sets and associated file formats (e.g. NetCDF). Experience with other programming languages, GIS and remote sensing satellite data is valuable
- Experience in project management, and development of research proposals is valuable
- Work experience in developing countries is desirable and the willingness to travel to these countries
- You have strong analytical and scientific writing skills, excellent communications skills, and you are fluent in oral and written English. Proficiency in French, German or other languages are an asset
- You have the ability to work independently, goal-oriented and on your own initiative

### We offer:

- an inspiring, international, and interdisciplinary work environment at the University of Kassel in close collaboration with PIK
- high-impact of your research through publications in renowned journals
- participation in user driven research projects with international partners
- contribution to international projects with extensive stakeholder engagement
- opportunities for cooperation with a network of leading climate and agricultural research institutes
- guidance and supervision in career development to possibility to write a habilitation treatise

Application documents should comprise a letter of motivation including research interests, CV, relevant certificates, and a short sample of your work (e.g. journal publication, approx. 2-8 pages) in one PDF document.

For further information please contact Prof. Dr. Christoph Gornott, Tel.: +49 561 804-1712, E-Mail: [gornott@uni-kassel.de](mailto:gornott@uni-kassel.de).

**Applications indicating the Position Number**, which may be in digital form, **should be sent** to the President of the University of Kassel, 34109 Kassel, Germany or [bewerbungen@uni-kassel.de](mailto:bewerbungen@uni-kassel.de), **quoting the applicable reference number**.

The protection of your personal information is very important to us, so we will handle your personal information with care. By your application, you allow us the storage and use in the sense of the Hessian Data Protection and Freedom of Information Act. You can object to this at any time. Your personal data will be deleted.

Information according to Art. 13 DSGVO for the application process at the University of Kassel can be found at: [www.uni-kassel.de/go/ausschreibung-datenschutz](http://www.uni-kassel.de/go/ausschreibung-datenschutz)

The University of Kassel is very interested in the professional satisfaction of its employees. It is distinguished as a family-friendly university and, in the interests of equal opportunities, strives to offer everyone the same opportunities for development and to counteract existing disadvantages. It promotes the Family Welcome Service and also the Dual Career Service for positions that are scientifically and academically filled. One of the strategic goals of the University of Kassel is to significantly increase the proportion of women in research and teaching. Applications from women are therefore particularly welcome. Seriously handicapped and equivalent applicants are given preference if they have the same suitability, qualifications and professional performance. Full-time positions are generally divisible (except when filling civil servant positions).