

Job offer Ref. # 11-19015

The Senckenberg Gesellschaft für Naturforschung (SGN), a member institution of the Leibniz Association, with almost 800 employees and its headquarters in Frankfurt am Main, is conducting integrative natural history research with leading research institutions in six federal states. The Senckenberg Biodiversity and Climate Research Centre (SBIK-F) explores interactions between biodiversity and climate.

For the research project **Fire in the Future: Interactions with Ecosystems and Society (FURNACES)**, we invite applications for a

Postdoctoral Researcher (m/f/d) in Vegetation Modelling

(36 months, TV-H E13, full time position)

FURNACES is an interdisciplinary project funded by German research foundation (DFG) and FWF. The work will be conducted in close cooperation with project partners from Austria (TU Wien and BOKU Wien) and Germany (KIT/IMK-IFU Garmisch-Partenkirchen), with backgrounds in remote sensing, ecosystem modelling and social ecology. The project aims to improve our understanding on the interactions between vegetation fires and societies and the impact of fire on ecosystems and society in the future. Possible relationships between fire and society will be derived based on remote sensing and a database summarizing local knowledge on human fire use. The researcher (m/f/d) at SBIK-F will improve the representation of humans in fire models and conduct simulations to assess the impact of future fires on ecosystems.

The work will be conducted in close cooperation with Dr. Gitta Lasslop.

Your tasks

- ✓ Model development to improve the representation of humans in global fire models
- ✓ Perform and analyze simulations of global vegetation models
- ✓ Presentation of the results at international conferences and publication in peer-reviewed journals
- ✓ Support the coordination of the project with management and administration tasks

Your profile

- ✓ PhD degree in Earth System Science, Environmental Science, or any other related natural science field
- ✓ Experience in programming (Fortran, C++) on unix systems and data analysis (R or Python)
- ✓ Experience or strong interest in process-based vegetation modelling
- ✓ Experience in performing and analyzing simulations with global vegetation models would be of advantage
- ✓ Broad knowledge in the field of ecosystem ecology and global change
- ✓ Ability to effectively communicate and organize workflows, to closely collaborate in interdisciplinary teams
- ✓ Proven ability to publish in peer-reviewed journals, as well as fluency in English as working language

SENCKENBERG

world of biodiversity

We offer

- ✓ an interesting task in an international research project
- ✓ the possibility to build and extend your network with scientists at an international level and to attend national and international conferences
- ✓ a workplace close to the city center of Frankfurt, a lively and diverse city with high life quality
- ✓ flexible working hours – annual special payment – company pension scheme – Senckenberg badge for free entry in museums in Frankfurt – a family-conscious personnel policy (“audit berufundfamilie”)

Salary and benefits are in accordance with a public service position in Germany (collective agreement TV-H, payment category E13). The contract shall start as soon as possible and will be limited to 36 months.

The Senckenberg Biodiversity and Climate Research Centre (SBIK-F) supports equal opportunity of men and women and therefore strongly invites women to apply. Equally qualified handicapped applicants will be given preference. The place of work is in Frankfurt am Main at the Senckenberg Biodiversity and Climate Research Centre (SBIK-F). The employer is the Senckenberg Gesellschaft für Naturforschung.

We look forward to your application!

Please send your application, mentioning the reference of this job offer (**ref. #11-19015**) by **August 16th, 2019 (deadline)** by e-mail (**attachment in a single pdf document**) and including

- ✓ **a cover letter describing your suitability and motivation**
- ✓ **a detailed CV**
- ✓ **your credentials and certificates**
- ✓ **a list of publications**
- ✓ **and contact details of two potential references to:**

Senckenberg Gesellschaft für Naturforschung
Senckenberganlage 25
60325 Frankfurt
E-Mail: recruiting@senckenberg.de



For scientific enquiries please get in contact with. Dr. Gitta Lasslop (gitta.lasslop@senckenberg.de).