

Job announcement ref.#11-20013

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.

Senckenberg BiK-F invites applications for a Postdoctoral position in the research project "BEF-Up2: Upscaling exploratories data to understand the drivers of landscape multifunctionality". The project is part of the **DFG funded Biodiversity Exploratories project**.

Postdoc position in Biodiversity and Ecosystem Services: "Upscaling to understand the drivers of landscape multifunctionality" (full time)

We are seeking a quantitative ecologist (m/f/d) to generate new insights into the role of biodiversity in landscape multifunctionality. In this project, which extends the recent BEF-Up project, the successful applicant (m/f/d) will develop quantitative methods and techniques and use the comprehensive data of the Biodiversity Exploratories to construct statistical models that link plot- and landscape-level biodiversity to ecosystem services and solve upscaling problems to produce maps of ecosystem service supply. By combining these maps with existing data on the ecosystem service demands of stakeholders, measures of landscape multifunctionality will then be generated. After establishing this spatial model changes to stakeholder demands, land management and biodiversity will be simulated to evaluate how these affect the supply of multiple ecosystem services.

The project builds on existing synthesis work from the Biodiversity Exploratories project and aims to deliver high-impact publications and robust management recommendations. The work will be conducted in close cooperation with Dr. Peter Manning of Senckenberg BiK-F and many others within the Biodiversity Exploratories research community.

Position requirements

- A PhD in Ecology, Ecosystem Services or a related field, and the ability to conduct independent ecological research
- Excellent knowledge of at least one of the following: ecological theory, biodiversity, land management, ecosystem services
- Fluency in R and an understanding of advanced statistical techniques
- Competency in the use of Geographical Information Systems e.g. Arc GIS
- Excellent written and oral communication skills in English and the capacity to collaborate effectively within a large and diverse team of researchers
- A strong publication record and the ambition and capacity to publish in high-impact journals
- Experience in upscaling and the use of remote sensing data is advantageous

Salary and benefits are according to a public service position in Germany (TV-H E 13, 100%). The position is a full-time position and will be for 2 years, preferably starting in September/October 2020. The Senckenberg Research Institute supports equal opportunity of men and women and therefore strongly invites women to apply. Equally qualified handicapped applicants (m/f/d) will be given preference. The place of employment is in Frankfurt am Main, Germany. The employer is the Senckenberg Gesellschaft für Naturforschung.

Please include the reference to this position (**ref.#11-20013**) in the subject line and include a **letter of motivation** to apply, a **CV** including a **full publication list, full credentials and contact details of 2 academic referees**. Please submit your application before **21st August 2020 (deadline)** via e-mail as a **single PDF** file to:

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



For scientific enquiries please contact Dr. Peter Manning: peter.manning@senckenberg.de.

Related Links:

Senckenberg BiK-F <https://www.senckenberg.de/en/institutes/sbik-f/>

Biodiversity Exploratories <http://www.biodiversity-exploratories.de/en/>

Peter Manning on Research Gate https://www.researchgate.net/profile/Pete_Manning