



Max-Planck-Institut
für Biogeochemie



MAX-PLANCK-GESELLSCHAFT

The Max Planck Institute for Biogeochemistry (MPI-BGC) in Jena is dedicated to interdisciplinary fundamental research in the field of Earth system sciences with a focus on climate and ecosystems. The internationally renowned institute, which currently employs around 230 people, will celebrate its 25th anniversary in 2022. Jena is known for high-tech industry, internationally renowned research institutions and a modern university, but it also has a beautiful natural setting in the green Saale valley with steep limestone slopes. The city of Jena has an active student scene and a diverse cultural life. In the context of a retirement succession for the service group Field Experiments and Instrumentation we are looking for a

Head of Field Experiments and Instrumentation (m/f/d)

(Full-time/part-time, initially limited to two years, with permanent employment possible)

Background and position description:

The MPI for Biogeochemistry operates field installations to measure material fluxes and terrestrial ecosystem properties. Measurement stations include tall towers in Russia and Brazil, eddy covariance stations in Germany, Spain, Russia and Brazil, and other long-term field installations and experiments in our greenhouse facility. The jobholder (m/f/d) is responsible for the planning, implementation, operation and maintenance of measurement stations, field instruments and related infrastructures. They will work in close collaboration with the scientists. The jobholder (m/f/d) is also responsible for the Institute's central electronics and machine shops, which enable the development of novel instrumentation to support research. The service group and workshops currently have a total of 10 employees.

For more information, click here: <https://www.bgc-jena.mpg.de/Freiland/index.php/Main/HomePage?userlang=de>

We are looking for an individual with a proven understanding of the diverse requirements of scientific research, who possesses strong leadership skills as well as a keen interest in collaborating with scientists.

Your tasks:

- Scientific and administrative management of the field experiments and instrumentation service group and the electronics and mechanics workshops
- Setup and operation of complex field measurement facilities (worldwide) and complex laboratory and greenhouse experiments in cooperation with the responsible scientists
- Setup and operation of systems for automatic data streams, further processing of measurement data, provision of data to scientists, delivery to databases
- Development of new measurement systems and integration of new instruments into existing platforms
- Ensuring instrument calibrations and quality control of measurements
- Programming of data acquisition and control systems
- Planning and preparation of field experiments and expeditions, including those to remote areas, including transport of equipment and instruments
- Supervision and use of UAVs (drones) for the acquisition of atmospheric measurement data and imagery (visual as well as multispectral)
- Collaboration on scientific articles, including own publications if necessary
- Participation in public relations and teaching of the institute

Your profile:

Professional profile:

- Successfully completed scientific university studies in the field of geosciences , biosciences or environmental sciences
- Doctorate in a relevant field desired
- Experience with (micro-)meteorological field measurements (preferably also with eddy covariance)
- Experience in planning and execution of complex field measurement campaigns and installations
- Experience with data acquisition systems (data loggers, remote data streams via satellite) and their programming
- Experience with processing and storing large data streams; good programming skills (BASIC dialects, FORTRAN, R, Python preferred)
- willingness and ability to cooperate with scientists and technical staff from all over the world
- very good knowledge of written and spoken German and English; further language skills desirable
- Willingness to travel regularly for extended periods of time; Class B driver's license; willingness to obtain a license to operate drones

Personal profile:

- Several years of management experience, preferably at a scientific institution;
- Strong teamwork and intercultural skills combined with service orientation, initiative, and sense of responsibility
- Flexibility and ability to work under pressure, with very good time and priority management skills
- Goal-oriented, reliable and organized way of working
- Skills in organization, negotiation and mediation

Our offer:

The employment is initially limited for two years, with the subsequent possibility of permanent employment. Part-time employment is generally possible and will be considered. If the requirements of the collective agreement are fulfilled, the position will be classified up to pay group 14 according to TVöD (Bund); in addition, we grant a retirement pension based on the public service agreement (VBL).

The Max Planck Society strives for gender equality and diversity. It aims to increase the proportion of women in areas where they are underrepresented. Women are therefore strongly encouraged to apply. We welcome applications from all fields. The Max Planck Society has set itself the goal of employing more severely disabled people. Applications from severely disabled persons are expressly encouraged.

Your application:

If you have any questions, please contact Managing Director Prof. Susan Trumbore (trumbore@bgc-jena.mpg.de). Please send the complete application with cover letter, curriculum vitae as well as names and contact information of two references summarised in a single PDF file (max. 10 MB) by e-mail to bewerbung@bgc-jena.mpg.de by **August 15, 2021**, quoting the reference number **10/2021** or by mail to

Max-Planck-Institut für Biogeochemie
Personalbüro: Kennwort „Head of Field Experiments and Instrumentation“
Hans-Knöll-Straße 10
07745 Jena

We kindly ask you not to use application folders, but to submit copies only, as your documents will be destroyed in accordance with data protection regulations after completion of the application process.

We look forward to receiving your application!