

The Max Planck Institute for Biogeochemistry in Jena is an internationally renowned research institution with currently about 230 employees and is dedicated to basic research in the field of Earth System Sciences with a focus on climate and ecosystems. We are looking for a

## **Scientific Software Developer (m/f/d)**

(Full-time; limited for 2 years)

for the Central Analytical Laboratory of the European research infrastructure Integrated Carbon Observation System (ICOS) - a Europe-wide observation network for greenhouse gases. The ICOS laboratory in Jena produces the calibration gases for atmospheric measurements at measuring stations, supports these measuring stations in air sampling on site, and carries out the highly accurate analysis of such air samples.

### **Your area of responsibility:**

- Further development of an automated air sampling device and the associated peripheral equipment with complex control processes and connection to various infrastructures
- Mapping of laboratory processes in software and database
- -Implementation of development projects for the automation of laboratory setups
- Collaboration in the publication of the development work

### **Your profile:**

- University degree in technical computer science, physics or similar scientific studies
- Experience in the development of scientific equipment
- Background Functionality Trace gas and isotope measurement technology, atmospheric physics and chemistry
- profound programming knowledge (LabView, C++, SQL)
- Knowledge of communication with hardware (e.g. RS232, CAN, SPI, I2C, one-wire)
- Experience in the analysis of technical problems
- Project planning and implementation
- Experience with peer-reviewed publications
- Curiosity and interest in our main areas of activity
- Thorough and independent work in a scientific environment
- Timely and reliable completion of tasks
- English language spoken and written

### **Our offer:**

We offer an exciting working environment in a small team with short official channels and a diverse range of tasks in a modern laboratory. The workplace allows for work in a scientific company with personal development opportunities under attractive conditions (e.g. flexible working hours). The place of work is close to the city centre and the railway station and can be easily reached by public transport.

The position is initially limited to two years. The working time is 39 hours per week. Remuneration is based on the collective agreement for the public service (TVöD-Bund) with the social benefits usual in the public service.

The Max Planck Society is committed to the compatibility of family and career and is certified according to the "berufundfamilie" audit.

The Max Planck Society strives for equality between women and men and for diversity. In addition, the Max Planck Society wants to increase the proportion of women in those areas in which they are underrepresented. Women are therefore expressly encouraged to apply. We welcome applications from all areas.

The Max Planck Society has set itself the goal of employing more severely disabled people. Applications from severely disabled persons are expressly welcome.

### **Your application:**

Have we aroused your interest? Then we look forward to receiving your detailed application by **September 06, 2020**, quoting the reference number 12/2020, to

Max-Planck-Institut für Biogeochemie  
Personalbüro: Kennwort "Scientific Software Developer"  
Hans-Knöll-Straße 10  
07745 Jena

or by e-mail as a PDF document to [bewerbung@bgc-jena.mpg.de](mailto:bewerbung@bgc-jena.mpg.de), subject: "Scientific Software Developer" ICOS. We ask you not to use application folders, but to submit copies only, as your documents will be destroyed after completion of the application process in accordance with data protection regulations.

We look forward to receiving your application!