

At the University of Göttingen -Public Law Foundation-, Abteilung für Bioklimatologie des Büsgen-Instituts, there is a position as

**Postdoctoral researcher (all genders welcome)**  
**Entgeltgruppe 13 TV-L/100%**

to be filled. Starting date is 2/1/2024. The position is limited to 30.11.2026.

The successful candidate will join the project ISOMONEAE on establishing a isotope-specific monitoring system for H<sub>2</sub>O, CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O between forest and the atmosphere. For this position, the candidate will do research on the **isotopic composition of H<sub>2</sub>O, CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O above a forest site using micrometeorological measurements**. The project is a collaboration with the Forschungszentrum Jülich. The project ISOMONEAE is part of the German Integrated Greenhouse Gas Monitoring system, which focuses on long-term monitoring of sources and sinks of greenhouse gases. The **PostDoc position** is to be filled of 1st of February 2024, or next possible, and is limited until 30th of November 2026. The position and salary correspond to 100% (39.8 h) of a German public service TV-L 13 position.

**What you will do**

The project aims to quantify the isotopic composition of H<sub>2</sub>O, CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O at the FLUXNET forest site Leinefelde and partition fluxes into sources and sinks using highly novel isotope-enabled eddy covariance measurements and micrometeorological approaches. From the results you will evaluate the feasibility of long-term isotope-specific measurements of H<sub>2</sub>O, CO<sub>2</sub>, CH<sub>4</sub> and N<sub>2</sub>O at other forest sites. In this project the candidate's tasks will include testing, installing and operating micrometeorological instruments; measuring turbulent H<sub>2</sub>O and CO<sub>2</sub> fluxes (with eddy covariance) and their isotopic composition as well as other meteorological variables; analyzing and interpreting scientific data; presenting results nationally and internationally, and publishing in peer-reviewed journals.

**Qualifications you should have**

- Completed university degree (Master/Diplom, required) and completed PhD in micrometeorology or related disciplines (meteorology, physics, geography, plant ecology, environmental sciences, etc.)
- Research experience in eddy covariance flux measurements or other micrometeorological methods (preferred)
- Experience with data analysis in R, python, matlab, or other relevant programming languages (preferred)
- Skills and interest in working scientifically and quantitatively (required)
- Ability and willingness to perform fieldwork at the forest site Leinefelde (required)
- Driving license (required)
- Proficiency in English (required)

The position is based in Göttingen, Germany. Information about the bioclimatology group can be found at <https://www.uni-goettingen.de/bioclimatology>.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The mission of the university is to employ a greater number of severely disabled persons. Applications from severely disabled persons with equivalent qualifications will be given preference.

Please upload your application in one pdf file including the usual documents until 12/7/2023 on the application portal of the university using this link: <http://obp.uni-goettingen.de/de-de/OBF/Index/74265>. For more information get in touch with Christian Markwitz directly via E-Mail: [christian.markwitz@forst.uni-goettingen.de](mailto:christian.markwitz@forst.uni-goettingen.de), Tel. +49 551 39 28100 .

**Please note:**

With submission of your application, you accept the processing of your applicant data in terms of data-protection law. Further information on the legal basis and data usage is provided in the 'Hinweisblatt zur Datenschutzgrundverordnung (DSGVO)' <https://www.uni-goettingen.de/hinweisdsngo>.