

At the University of Göttingen -Public Law Foundation-, Abt. Waldbau und Waldökologie der gemäßigten Zonen, there is a position as

**Research Associate/PhD-Student(all genders welcome)
Entgeltgruppe 13 TV-L/65%**

to be filled. Starting date is 4/1/2023. The position is limited to 31.03.2026.

We are looking for a highly motivated researcher (m/f/d) to work on the research project "Impacts of forest management on the spatio-temporal variability of the forest microclimate", starting 01.04.2023 (limited until 31.03.2026). The forest microclimate plays a crucial role for biodiversity and ecosystem functions. The research project will investigate how forest management affects the dynamics of 3D forest structure and the associated spatio-temporal variability of forest microclimates. First, terrestrial laser scans will be carried out on a total of 150 permanent research plots in three areas of Germany in order to quantify the 3D forest structure of differently managed and unmanaged forests. Based on this, a time series of forest microclimate measurements and preceding 3D forest structure surveys will be used to investigate the influence of different forest management approaches on the dynamics of the 3D forest structure and the associated variability of forest microclimates. The research project is a sub-project within the framework of the DFG priority programme "Biodiversity Exploratories" and is intended to contribute to the investigation of the effects of forest management on biodiversity and ecosystem functions.

The project activities include the following tasks:

- Quantifying 3D forest structures on 150 permanent research plots within Germany using terrestrial laser scanning.
- Processing and analysis of the collected laser scanning data sets
- Processing and analysis of microclimatic data from long-term measurements
- Quantifying forest management activities on the research plots
- Statistical analysis of relationships between forest structure and forest microclimate
- Modelling of the spatio-temporal variability of the forest microclimate as a function of forest management and forest microclimate

Requirements:

- MSc degree in Forest Sciences, Geography, Biology or related disciplines
- Proficiency in handling and analyzing large datasets
- Excellent oral and written communication skills (English required)
- Proficiency in the statistics software R
- Driving licence (Car)
- Willingness to travel and conduct fieldwork (domestic and abroad)

For further questions about the project, please contact Dr. Martin Ehbrecht (martin.ehbrecht@forst.uni-goettingen.de, +49 (0) 551 39-23674.

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 University is particularly committed to the professional participation of severely disabled employees and therefore welcomes applications from severely disabled people. In the case of equal qualifications, applications from people with severe disabilities will be given preference. A disability or equality is to be included in the application in order to protect the interests of the applicant.

Please upload your application in one pdf file including the usual documents until 3/20/2023 on the application portal of the university using this link: <http://obp.uni-goettingen.de/de-de/OBF/Index/72925>. For more information get in touch with Martin Ehbrecht directly via E-Mail: martin.ehbrecht@forst.uni-goettingen.de, Tel. 00495513923674 .

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 [Information General Data Protection Regulation \(GDPR\)](#)

