

The **University of Bonn** is an international research university offering a broad range of subjects. With a 200-year history, some 31,500 students, more than 6,000 employees and an outstanding reputation in Germany and abroad, the University of Bonn is one of the leading universities in Germany and has been awarded the status of a University of Excellence.

The **professorship of Agro-Ecological Modeling** at the Institute of Crop Science and Resource Conservation is inviting applications for a

Research associate (50%)

starting **as soon as possible**. This is a **part-time (50%) position** for a **maximum of 1 year in a project (until December 2025)**. Alternatively, a shorter contract time with a higher proportion of working time can be agreed (up to 6 months with 100%). An option to extend the contract is being sought.

Founded in 2024 within the Institute of Crop Science and Resource Conservation and the Cluster of Excellence PhenoRob (www.phenorob.de), our international and dynamic **Agro-Ecological Modeling research group** is dedicated to addressing the biodiversity crisis, with a particular focus on agriculture. We develop and apply advanced quantitative techniques to tackle critical questions and research challenges in landscape and agro-ecology, as well as biodiversity conservation. By integrating basic and applied research, we create a foundation for developing sustainable solutions that align human activities with the natural environment in a rapidly changing world. Our key research areas include: (1) Biodiversity and ecosystem monitoring, (2) Spatial analysis and land use modeling, and (3) Co-design and applied conservation.

The position is part of the **interdisciplinary European research project *EarthBridge - Building Bridges between Earth Observation and Environmental Sciences*** (January 2023 – December 2025, www.earthbridge.eu). EarthBridge brings together four leading universities from Germany, Italy and Czech Republic in a collaborative effort to leverage the potential of Earth Observation (EO) data for advancing environmental and biodiversity monitoring, modelling and assessment.

- Your tasks:**
- Collate and (pre)process openly available EO data for various study regions and assess their applicability for biodiversity modeling,
 - Analyze existing biodiversity and EO data,
 - Collaborate and coordinate with project partners,
 - Prepare for and participate in project meetings and interdisciplinary workshops,
 - Publish findings in international journals,
 - Contribute to an international summer school and e-learning material,
 - Assist in the writing of project reports,
 - Option to assist in fieldwork campaigns.

- Your profile:**
- Very good university degree (master's or doctorate) in environmental or geo-spatial sciences, landscape ecology, physical geography, remote sensing or related fields,
 - Proficiency in geodata analysis (preferably in R or Python),
 - Keen interest in inter- and transdisciplinary environmental research,
 - Very good oral and written English language skills,
 - Ability to work independently as well as in a collaborative environment,
 - Willingness to travel to other project partners in Prague, Bologna and Dresden.

- What we offer:**
- Opportunity to collaborate with multiple partners with a diverse expertise,
 - Work in an international environment,
 - Company pension scheme (VBL),
 - Numerous offers of university sports,
 - Very good public transport connections due to the central location in Bonn as well as the possibility to use inexpensive parking facilities,
 - Remuneration according to pay group 13 TV-L.

The University Bonn is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply as they are underrepresented in the field. 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 send your application in English including (1) your CV, (2) letter of motivation highlighting your interest in this position, (3) certificates (incl. Master/Diploma/PhD thesis), (4) your preferred percentage of working time and duration of the contract. **Applications should be sent as one single pdf file with the ID 3.2-24-77 by email to aecomod@uni-bonn.de, until 12th of January 2025.** If you have any questions about the position, please contact Dr. Stephanie Roilo (stephanie.roilo@uni-bonn.de).

We are looking forward to your application!

With submission of your application, you accept the processing of your applicant data in terms of the data-protection law. Further information on the legal basis and data usage is provided in the https://www.uni-bonn.de/en/data-protection-policy?set_language=en