

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 **Agro-Ecological Modeling** at the **Institute of Crop Science and Resource Conservation**, within the Faculty of Agricultural, Nutritional and Engineering Sciences, is inviting applications for a

**Postdoctoral researcher (100%)**  
alternative (50-75%)

starting as soon as possible. **This is a full-time position for 3 years with possibility of extension for 3 more years upon positive evaluation.** Alternatively, a part-time arrangement can be agreed.

Founded in 2024 within the Institute of Crop Science and Resource Conservation and the Cluster of Excellence PhenoRob ([www.phenorob.de/](http://www.phenorob.de/)), our international Agro-Ecological Modeling research group is dedicated to research 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. We are looking forward to welcoming a new colleague who is enthusiastic about contributing their own ideas and initiatives to our research areas and who enjoys working in an open-minded, interdisciplinary, international and creative team.

**Your tasks:**

- Plan and conduct fieldwork to collect biodiversity data using novel monitoring technologies, particularly passive acoustic monitoring, at experimental university sites and other locations in Germany and Sweden,
- Advance monitoring/analysis workflows and models to study habitat selection, occupancy, and species interactions in agroecosystems, contributing to the development of state-of-the-art research techniques,
- Develop your own research agenda within the framework of our research group,
- Engage in scientific collaboration with researchers from PhenoRob, our faculty, the University of Bonn, and regional and international partners, fostering cross-disciplinary partnerships,
- Contribute to outreach activities and public events, helping to communicate research findings to a broader audience,
- Teach and mentor students in BSc and MSc programs, particularly in MSc Nature Conservation and Landscape Ecology, with a commitment of 3 hours per week (4 SWS) during lecture periods,
- Co-supervise bachelor's and master's student theses related to your own research,
- Present your research results at international conferences and publish them in peer-reviewed scientific journals.

**Your profile:**

- PhD in (landscape) ecology, conservation biology, environmental sciences, or related fields, ideally with expertise in biodiversity monitoring and/or modeling,
- Experience in, and willingness to, conduct fieldwork,
- Advanced knowledge of statistical and probabilistic modelling and inference as well as and (spatial) data analysis (preferably in R or Python),
- Ornithological knowledge and/or experience with passive acoustic monitoring is an advantage,
- Proven publication record in international peer-reviewed journals,
- Previous experience in teaching and/or supervising is a plus,

- Ability to work collaboratively within a team, contributing positively to a dynamic and supportive team environment,
- Self-driven, flexible, and results-oriented work ethic and ability to manage independent projects,
- Willingness to contribute to outreach activities, public events, and policy briefs,
- Fluency in written and spoken English, with excellent scientific writing skills; German language skills are a plus but not required.

**What we offer:**

- Excellent and well-funded working environment that supports innovation and high-quality research,
- Opportunities to further develop and enhance your research profile,
- Support for applications for additional third-party funding for your own research in the fields of biodiversity monitoring and agro-ecological modelling,
- Opportunities for funded research stays at other institutions,
- Pathways for further academic advancement (e.g., habilitation),
- Collaborative, international work environment that fosters cross-disciplinary exchange,
- Company pension scheme (VBL),
- Extensive university sports programs,
- Centrally located workplace in Bonn with excellent public transport connections,
- 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 and publication list, (2) letter of motivation highlighting your interest in this position, (3) list of contacts for 3 references and (4) certificates (incl. Master/Diploma/PhD thesis), in electronic form as one single pdf file, **with the ID 3.2-24-86. Applications should be sent until 12<sup>th</sup> of January 2025 by email to [aecomod@uni-bonn.de](mailto:aecomod@uni-bonn.de).** If you have questions about the position, please contact Prof. Dr. Anna Cord, [anna.cord@uni-bonn.de](mailto:anna.cord@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](https://www.uni-bonn.de/en/data-protection-policy?set_language=en).