

## Postdoctoral Researcher (100%, TV-L EG13)

Start Date: February 1, 2025 (or later)

Location: University of Hohenheim, Stuttgart, Germany



UNIVERSITÄT  
HOHENHEIM

The Department of Ecological-Economic Policy Modelling at the University of Hohenheim is seeking a postdoctoral researcher in ecological-economic modeling. In this role, you will be part of the **BEATLE project**, focusing on the **synergies and trade-offs between organic and conventional agriculture** and their **interplay with biodiversity, particularly pollination services**. Your work will be crucial in advancing research that informs the future of sustainable agri-food systems.

### Your tasks:

- Lead the development of a CGE model for Germany, integrating both **organic and conventional food sectors** to explore their ecological-economic impacts
- Examine the **role of pollination services** in agricultural productivity and biodiversity, assessing trade-offs between different farming practices
- Collaborate with PhD students within the BEATLE project, focusing on the ecological-economic modeling of **transformation scenarios**
- Contribute to cutting-edge publications, project reports, and new research proposals
- Build model linkages between farm-level and CGE models to deepen understanding of the **feedback loops between land-use, pollination services, and crop yields**
- Develop your **own research program** and conceptualize new project proposals

### Your qualifications:

- PhD in agricultural/environmental economics or related field (e.g., computer science focused on natural resources)
- Expertise in economic simulation models (CGE, land-use, farm-level, or multi-agent systems)
- Proficiency in GAMS and R (knowledge of Python or Julia is an asset)
- Strong programming and data analysis skills
- A passion for **biodiversity conservation** and the dynamics of **organic vs. conventional agriculture** in shaping sustainable food systems
- Proficiency in English is essential, a knowledge of German is an additional advantage

### What we offer:

- Competitive salary (€63,000+ per year) in line with federal state agreements
- A collaborative, interdisciplinary environment
- Flexible, hybrid working options
- Beautiful campus setting with botanical gardens outside your office!

**Application Deadline:** December 10, 2024

**To Apply:** Submit your CV, motivation letter, transcripts, and references to [jonathan.gerlach@uni-hohenheim.de](mailto:jonathan.gerlach@uni-hohenheim.de).

**Questions?** Contact Prof. Dr. Arndt Feuerbacher ([a.feuerbacher@uni-hohenheim.de](mailto:a.feuerbacher@uni-hohenheim.de)).