



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

DEPARTMENT OF GEOGRAPHIE
CHAIR FOR PHYSICAL GEOGRAPHY AND LAND USE SYSTEMS



About us:

The chair for Physical Geography and Land Use Systems (Prof. Julia Pongratz) at LMU's Department of Geography investigates the interactions between natural ecosystems, land use and climate change. Our group develops and applies the latest generation of land and Earth system models and integrates them with observations. Key research questions are the fate of natural ecosystems under the pressures of land use and climate change, Earth system feedbacks via energy, water and biogeochemical cycles, and assessing the role that the terrestrial vegetation can play for greenhouse gas emissions reduction and CO₂ removals in support of the Paris Agreement. The team is strongly involved in large international collaborations such as the Global Carbon Project, CMIP and IPCC.

We are looking for you:

Scientific researcher (m/f/x) modeling forest-climate interactions

Your tasks and responsibilities:

The scientific researcher will be part of the Horizon Europe project "ForestNavigator", which assesses the climate mitigation potential of European forests and forest-based sectors (<http://www.forestnavigator.eu>). It integrates an interdisciplinary suite of models with the aim to lay the scientific foundation for decision-making on the most suitable approach to forest policy and bioeconomy. In ForestNavigator, the scientific researcher at LMU will

- develop the ICON/MPI Earth System Model and its land surface component JSBACH for a better representation of forest management, and set up, run and analyze model simulations for various policy scenarios,
- collaborate closely with other partners towards the overarching goal of integrating Earth system, forest and economic modeling in a policy modeling toolbox,
- coordinate the work package on biodiversity and ecosystem services and oversee associated reporting duties,
- take a leading role in the development of scientific publications.

Your qualifications:

The scientific researcher's position requires

- a PhD in a natural or physical science subject (physics, geography, ecology or similar),
- good programming skills (such as fortran, python),
- excellent communication skills in English (our working language), proven also by scientific publications,
- training or experience in vegetation or climate modeling is desirable, but not essential.

Benefits:

- the chance to be part of a dynamic team working at the frontier of Earth system science,
- E13 TV-L position, commensurate with work experience, for three years (starting date is as soon as possible),
- career development through the LMU qualification program,
- a stimulating working environment at one of Germany's top-ranked universities, in the vibrant and internationally diverse city of Munich. Our institute is located in the centre of Munich with excellent public transport links.

Handicapped persons with comparable qualifications receive preferential status. We encourage female candidates to apply.

Contact:

Please send an application outlining your fit for the position (including a cover letter, a curriculum vitae, copies of scientific degrees, and the names and contact information of two references) by e-mail (one PDF-attachment with max. 5MB only including all documents) with subject "Forest-2023LMU" to climate.jobs@geographie.uni-muenchen.de. Deadline for application is April 26, 2023, with job interviews (online or in Munich) of the short-listed candidates scheduled for May 9-11; the position will remain open until filled. For further information please contact Prof. Dr. Julia Pongratz (julia.pongratz@lmu.de).