

The HAREME Lab at the Institute of Geography, University of Hamburg investigates the broad topic of Amazon's tipping points. The Lab develops and employs a regional climate model at a convection-permitting scale to assess the model performance over southwest Amazonia against a variety of observations and analyses the impact of land use / land cover change on local climate. The Lab is particularly interested in answering the question of how different intensities and patterns of Amazon deforestation impact the local climate, and how local climate impacts the farmers under present and future climatic conditions. In continuation of these activities, the Lab is looking for a:

Research Scientist (PostDoc- or PhD-level for an initial term of two years) for land use and climate interactions

YOUR TASKS

You will work under the PRODIGY project funded by the BMBF and will be responsible for processing the output of the Weather Research and Forecasting Model (WRF) for analyzing climate and climatic change interactions with land use scenarios. You will set up and run the WRF model on the Mistral high-performance computing machine of the German Computing Center. You will also be responsible for publishing research results in international research journals.

YOUR PROFILE

- a university degree in natural or physical science (meteorology, physical geography, physics, etc.)
- good programming skills (such as Python, and batch scripting)
- hands-on experience in working with Linux environment and in tools to process a variety of earth system science data formats
- Training or experience in running the WRF model in a high-performance computing environment is desirable, but not essential
- Excellent communication skills in English as it is the working language of the Lab
- Teamwork skills and the ability to work autonomously and self-responsibly

OUR OFFER

The Lab offers a 0.75 E13 TV-L (PhD-level) / 1.0 E13 TV-L (PostDoc-level) position, initially for two years starting as early as possible. The Lab further offers career and personal development through the SICCS Graduate Office, Hamburg Research Academy, and the University of Hamburg, in the vibrant and culturally diverse city of Hamburg. Handicapped persons with comparable qualifications receive preferential status. We encourage female candidates to apply.

INTERESTED?

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 "PRODIGY-2023" to shabeh.hasson@uni-hamburg.de OR Juergen.boehner@uni-hamburg.de.

The deadline for application is January 28, 2024. The short-listed candidates will be informed about the online or in-person interview date. The position will remain open until filled. For further information please contact Dr. Shabeh ul Hasson OR Prof. Dr. Jürgen Böhner.