



## Postdoc / Research Software engineer in global climate modelling (f/m/x)

Institute of Geophysics and Meteorology | CRC TR 172

We are one of the largest and oldest universities in Europe and one of the most important employers in our region. Our broad range of subjects, the dynamic development of our main research areas and our central location in Cologne make us attractive for students and researchers from around the world. We offer a wide range of career opportunities in science, technology, and administration.

This position is jointly funded within the Collaborative Research Centre TR172 Arctic Amplification (AC)<sup>3</sup> ([www.ac3-tr.de](http://www.ac3-tr.de)) and by university funding. It will play a central role in the institute and for TR172 in developing and performing global simulations with a focus on the Arctic region and contributing to ongoing research projects.

### YOUR TASKS

- » Perform global simulations with state-of-the-art climate models
- » Implement new physical parameterizations into the global model and contribute to the evaluation
- » Support project members and institute staff in the use of the global climate model and its output
- » Support the development of new software to analyse data from global simulations
- » Establish best practices for software development

### YOUR PROFILE

- » Doctoral degree in Meteorology, Physics, Geosciences, Mathematics, Computer Science or related fields
- » Strong experience in numerical modelling
- » High interest in supporting the scientists in this project with simulations and in participating in project meetings
- » Knowledge of the Earth system
- » Advanced state-of-the-art programming knowledge (fortran, python, unix system, HPC)
- » Ability to work in a team as well as independently
- » Very good communication skills in written and spoken English

### WE OFFER

- » Working in an inspiring institute and the possibility to contribute to research projects
- » A diverse working environment with equal opportunities
- » Support in balancing work and family life
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Flexible working time models
- » Opportunity to work remotely

The University of Cologne promotes equal opportunities and diversity. Women will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from all suitable candidates regardless of their gender, nationality, ethnic and social origin, religion, disability, age, sexual orientation and identity.

The position is available immediately on a full-time basis (39,83 hours per week). The position is to be filled for a fixed term until 31.12.2027. If the applicant meets the relevant wage requirements and personal qualifications, the salary will be based on remuneration group 13 TV-L of the pay scale for the German public sector.

Please apply online with proof of the required qualifications without a photo under: <https://jobportal.uni-koeln.de>. The reference number is Wiss2408-01. The application deadline is 07.09.2024.

For further inquiries, please contact Dr Vera Schemann ([vera.schemann@uni-koeln.de](mailto:vera.schemann@uni-koeln.de)) or Professor Dr Nikki Vercauteren ([nikki.vercauteren@uni-koeln.de](mailto:nikki.vercauteren@uni-koeln.de)).

