



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

Postdoc / Research software engineer (f/m/x) in Arctic Amplification

Institute for Geophysics and Meteorology

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.

The position is funded within the Collaborative Research Center TRI72 Arctic Amplification (AC)3 (www.ac3-tr.de) whose 3rd phase will start in January 2024. The main goal of this position is to perform consistent model simulations and support the project scientists during setup and analysis of simulations.

YOUR TASKS

- » Development and coordination of hectometer (cloud-resolving) simulations with ICON tailored to various activities related to improved understanding of Arctic Amplification
- » Improvement and professionalization of ICON-LEM testbed setup for an Arctic location
- » Development of new products to evaluate cloud parameterizations based on remote sensing observations and simulations
- » Processing and data management of existing and upcoming simulations
- » Community support for setup and analysis of simulations and existing output as well as implementation of training courses

YOUR PROFILE

- » PhD in meteorology, mathematics, computer science or related fields
- » Strong experience in atmospheric modelling
- » Knowledge of arctic meteorology
- » Advanced state-of-the-art programming knowledge (fortran, unix system, HPC)
- » Ability to work in a team as well as independently
- » High interest to support project scientists with simulation handling and to participate in project meetings
- » Very good communication skills in written and spoken english

WE OFFER

- » Working in an inspiring and collaborative german-wide research project
- » 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, full-time positions suitable for job sharing
- » Opportunity to work remotely

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

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 Wiss2403-09. The application deadline is 21.04.2024. For further inquiries, please contact Vera Schemann (vera.schemann@uni-koeln.de).



HR EXCELLENCE IN RESEARCH



Foto: Thomas Jösel