

Karlsruhe Institute of Technology (KIT) – The Research University in the Helmholtz Association creates and imparts knowledge for the society and the environment. It is our goal to make significant contributions to mastering the global challenges of mankind in the fields of energy, mobility, and information. For this, about 9000 employees of KIT cooperate in a broad range of disciplines in research, academic education, and innovation.

For our **Institute of Meteorology and Climate Research / Atmospheric Environmental Research (KIT/IMK-IFU)** at Campus Alpin in **Garmisch-Partenkirchen, Germany**, Division Regional Climate Systems, Research group Regional Climate and Hydrology, we are looking for a

PostDoc / Senior Scientist (f/m/d)

in the field of **global and regional Earth System modeling for climate change and water cycle research.**

The successful candidate will further develop and apply global and regional Earth System models for the analysis of climate change and land use change impacts on water availability, droughts and floods, and for different climate and water sensitive regions worldwide. The position is limited for 3 years.

Your Profile

- A PhD in Hydrology, Meteorology, Environmental- or Geo-Sciences, Physics, or related fields with strong relation to scientific computing
- Sound experience in Earth System Modeling for hydrological analyses with regionally refining global models such as MPAS and ICON; experience in WRF & WRF-Hydro, COSMO-CLM, or land surface modelling in general is an asset
- Strong programming and modern software engineering skills
- Deep knowledge of programming languages such as Python and FORTRAN
- Experience in high-performance computing, working on Linux clusters
- English language proficiency, ability to communicate in German is a benefit.
- Strong writing skills and excellent publication record
- Self-motivated personality, with strong communication and coordination skills to work within a multi-disciplinary team and environment on challenging international problems

We offer

- International, interdisciplinary and friendly working environment
- Payment will be in accordance with German public service positions (TV-L E13)
- Attractive research campus at the foot of Germany's highest mountain

Applications

Applications should be sent by email as one pdf file to Prof. Dr. Harald Kunstmann (harald.kunstmann [at]kit.edu) and in copy to Verena Wedler (verena.wedler [at]kit.edu) and should include a detailed CV, including personal contact information and two references as well as a statement addressing your specific interest, motivation and qualifications for the position.

Applications are expected till 30.11.2022. The position will remain open until a suitable candidate has been found.

We prefer to balance the number of employees (f/m/d). Therefore, we kindly ask female applicants to apply for this job. Recognized severely disabled persons will be preferred if they are equally qualified.

Start of application phase: 07.11.2022