PostDoc position on “(Sub-seasonal) Weather Prediction for the Energy Sector” at the Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany in collaboration with AXPO Solutions AG, Baden, Switzerland.

We are inviting applications for a two-year PostDoc position in the field of energy meteorology. The successful candidate will work at the interface of research and industry applications in a collaborative project advised by Dr Christian Grams (KIT) and Dr Remo Beerli (AXPO Solutions AG) as a member of the “Large-scale Dynamics and Predictability” group (http://www.imk-tro.kit.edu/english/7425.php) at the Institute of Meteorology and Climate Research – Department Tropospheric Research of KIT (https://www.imk-tro.kit.edu/).

The group investigates sub-seasonal prediction from an atmospheric dynamic’s perspective with a focus on weather regimes in the Atlantic European region. The aim of the project is to assess forecast performance and model representation with respect to the large-scale circulation in different numerical weather prediction models at both the medium and sub-seasonal time range for applications in the energy sector.

We are looking for a highly motivated, independent candidate who is keen to contribute to and to become part of an enthusiastic team. We offer a dynamic work environment at one of Germany's foremost research institutions for natural science and technology (read more at https://www.kit.edu) with attractive programs for young researchers (https://www.khys.kit.edu). In addition, the candidate will work closely with our industry partner AXPO Solutions AG, Baden, Switzerland (https://www.axpo.com/ch/en/about-us.html), including the opportunity for regular visits.

Requirements

The position requires a PhD in Atmospheric Science/Meteorology/Applied Physics/Applied Mathematics or equivalent. We expect the candidate to be familiar to work in a hybrid Windows/Linux environment (shell-scripting, etc.) and to have good programming skills in Python, R, or Matlab. We further expect interest and ideally expertise in atmospheric dynamics, the global circulation, sub-seasonal predictability, the work with numerical model output, and data processing. Some background in energy meteorology and weather forecasting is beneficial. The candidate should be fluent in English. Finally, the candidate should have good project-management skills, the ability and willingness to work in a team, experience in scientific writing and documentation, and be willing to present research at international conferences and to participate in workshops.

Employment conditions

The position is available from 1st June 2021 or as soon as possible thereafter and offered for 2 years. The position is remunerated according to TV-L (Collective Agreement for the Public Service Sector of the Federal States). The group is based on the research campus of KIT located about 10 km to the North of Karlsruhe city centre.

Applications and deadline

Please send your applications to Dr Christian Grams (grams@kit.edu) and Dr Remo Beerli (remo.beerli@axpo.com), including a motivation letter, CV, copies of relevant certificates, preferred starting date, the names of at minimum two references in a single pdf file named “KITAXPO_lastname_firstname.pdf”.

Review of all applications will start on **6th April 2021** and will continue until the position is filled.

We support diversity, equity, and inclusion and aim to balance the number of female and male employees. We therefore explicitly encourage applications from women as well as from all others who will bring additional diversity to research and teaching. Applicants with disabilities will be preferentially considered if suitably qualified.

For further questions please contact Dr Christian Grams.
E-mail: grams@kit.edu
Web: http://www.imk-tro.kit.edu/english/7425.php