

Research Associate Position (Post-Doc) in Meteorology

Institute for Geophysics und Meteorology

Foto: Thomas Josef

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

The open position has the following research focus: Impact of new observation systems on regional reanalysis. You will be part of the Climate Monitoring and Diagnostics group of the Hans-Ertel-Centre for Weather Research ([HERZ](#)) aimed at conducting research in tight collaboration with the German Meteorological Service (Deutscher Wetterdienst - DWD).

YOUR TASKS

- » The overall goal of this position is to develop/apply a tool to quantify the impact of a changing observing system on a high-resolution regional reanalysis (regional focus Rhein-Ruhr Area). Specifically you will
- » Apply a large member meteorological model ensemble
- » Perform Ensemble Forecast Sensitivity to Observation Impact (E-FSOL) experiments
- » Evaluate the impact of novel remote sensing and crowd-sourced observations
- » Carry out studies on optimizing the use of renewable energies

YOUR PROFILE

- » PhD in meteorology or a related field
- » Strongly experienced in at least one of the following fields: numerical weather prediction, data assimilation, application of model ensembles, meteorological data in renewable energy applications, atmospheric remote sensing
- » Advanced state-of-the-art programming experience, UNIX or Linux operating systems / HPC environments
- » Team player, willingness to present research at international conferences

WE OFFER YOU

- » working with an internationally well-established working group
- » a diverse and fair working environment
- » support in reconciling work and family life
- » flexible working time models
- » extensive advanced training opportunities
- » occupational health management offers
- » local transport ticket at a discount for UoC employees

The position is available from now on a full -time basis. It is limited to two years. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

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

Please send your convincing application with proof of the sought qualifications by email (in one pdf-file) with the reference number Wiss1911-03 to Prof. Ulrich Löhnert (ulrich.loehnert@uni-koeln.de).

The application deadline is November 30, 2019.