

# PostDoc in atmospheric sciences (f/m/d)

Institute of Geophysics and Meteorology | Energy meteorology group

Foto: Thomas Jösek

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.

We seek an enthusiastic PostDoc for carrying out scientific research in energy meteorology. The successful candidate will become part of a team interested in advancing the physical science basis for renewable energy from wind and solar power. The two-year PostDoc position is associated with the "Climate Monitoring and Diagnostic" branch of the Hans-Ertel-Centre for Weather Research (HErZ) in collaboration with the German Weather Service (DWD).

## YOUR TASKS

- » Conduct scientific research on meteorological processes important for renewable energy production
- » Develop programs for efficient analyses of big datasets from models and observations, e.g., with automated detection algorithms and novel tools based on artificial intelligence
- » Write and defend scientific publications in leading journals of the field, and present your work at conferences
- » Collaborate with economists for energy applications

## YOUR PROFILE

- » PhD in meteorology, informatics, or another relevant field
- » Excellent written and oral English skills
- » Very good meteorological knowledge, ideally with focus on atmospheric dynamics and/or radiative transfer
- » Experience in writing programs (e.g., python, shell scripts, CDO and/or FORTRAN90/95), handling big data sets (e.g., netCDF and/or ASCII format), creating high-quality graphics of research results, working with LINUX/UNIX and HPC, publishing peer-reviewed articles in high-impact journals
- » Ability for critical and creative thinking with a motivation for solving even challenging scientific and technical tasks

## WE OFFER YOU

- » a young and scientifically active research team
- » 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 1st of January 2021 on a full-time basis and is limited to two years. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group TV-L 13 of the pay scale for the German public sector.

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.

Please apply online at: <https://jobportal.uni-koeln.de> with proof of the sought qualifications. The reference number is Wiss2009-24. Please include your CV with details on your achievements, copies of your degree certificates, a motivation letter, and names of two potential referees. The application deadline is 15 November 2020.

Questions on the position can be directed to Prof. Stephanie Fiedler ([stephanie.fiedler@uni-koeln.de](mailto:stephanie.fiedler@uni-koeln.de)).