

# Postdoc Position in Arctic Amplification

## Institute for Geophysics and Meteorology (IGMK)

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 position is funded within the Collaborative Research Center TR172 Arctic Amplification (AC3) ([www.ac3-tr.de](http://www.ac3-tr.de)), whose second phase will start in January 2020. The overall goal of this position is to analyze Arctic cloud properties from ground-based remote sensing observations particularly for the site Ny-Ålesund and compare them to observations of other Arctic sites (for more information about the project see [www.geomet.uni-koeln.de](http://www.geomet.uni-koeln.de)).

### YOUR TASKS

- » Develop and apply retrieval algorithms in particular for microwave radiometers
- » Jointly analyze cloud radar, microwave radiometer and further data from remote sensing measurements
- » Set the long-term measurements in Ny-Ålesund in context to campaign observations, e.g. MOSAiC and to observations of other Arctic cloud observatories, e.g. at Barrow
- » Active participation in research communication (seminars, conferences, publication in international journals)

### YOUR PROFILE

- » PhD in Meteorology or a related field
- » Strongly experienced in atmospheric remote sensing
- » Advanced state of the art programming experience, UNIX or LINUX operating system
- » High willingness to collaborate with scientists in- and out-side of TR172 and to establish new scientific cooperations
- » Ability to work in a team as well as independently
- » Very good communication skills in written and spoken English

### 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 31. December 2023. 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 including a motivation letter describing background, training, research interests, and motivation for this position; your CV, certificates and the contact information of two referees all merged into a single PDF via email to Dr. Kerstin Ebell ([kebell@meteo.uni-koeln.de](mailto:kebell@meteo.uni-koeln.de)) with the reference number Wiss2001-02.

The application deadline is 31. January 2020.