



Max-Planck-Institut
für Meteorologie



MAX-PLANCK-GESELLSCHAFT

The Max Planck Institute for Meteorology (MPI-M) is a multidisciplinary centre for climate research located in Hamburg, Germany. It has an internationally recognised reputation in climate modelling. The MPI-M is located in the heart of one of Europe's most livable and vibrant cities. It provides a highly international and interdisciplinary environment for conducting scientific research as well as access to state-of-the-art scientific facilities.

Within the Horizon 2020 funded project PRIMAVERA (Process-based climate simulation: Advances in high-resolution modelling and risk assessment), the department for The Ocean in the Earth System (Director's research group), we are looking for a

Postdoctoral Scientist (m/f, Ref. MPIM-W004)

For working on advanced climate model simulations at high spatial resolution.

The project PRIMAVERA has received funding from the European Union's Horizon 2020 research and innovation programme grant agreement No 641727.

Responsibilities

The objective of this position is to design, conduct, supervise, and analyze scenario and sensitivity experiments ranging from idealized set-ups to CMIP6-quality simulations in the framework of the "High-resolution model intercomparison project" (HighResMIP).

The researcher recruited for this position will, in cooperation with PRIMAVERA partners:

- Contribute to the design and carry out core experiments agreed-on by the consortium
- Develop and evaluate process-based metrics for evaluation of high-resolution models, apply these metrics in comparison with observational data sets, and explore potential of metrics to narrow uncertainty in projections of European climate
- Analyze core integrations with focus on identifying natural and anthropogenic drivers of European climate
- Contribute to project and sub-task coordination
- Disseminate the results through publications in peer-reviewed journals and presentations at conferences

He/she will be part of an international research team based at universities and research centers throughout Europe, and is expected to attend training, coordination, and dissemination activities that are organized by PRIMAVERA.

Qualifications / experience

- A PhD in Meteorology, Oceanography, Physics, or a related area is required for this position.
- Good knowledge in climate dynamics and atmosphere-ocean processes.
- Experience in modeling geophysical fluid dynamics and analyzing climate model simulations with emphasis on atmosphere-ocean variability
- Programming skills in Fortran and statistical post-processing and visualization software (e.g. FERRET, NCL, MATLAB), as well as experience in handling large data sets
- Ability to coordinate cross-institutional research work and reporting tasks.

Selection criteria

The selection criteria will value the mobility, the qualifications, and the experience of the candidates with respect to the text above.

Employment conditions

- The position is offered for 3 years, starting in November 2015, with a possible extension of a fourth year.
- Payment will be in accordance with German public service positions (TVoED E14), including extensive social security plans. The conditions of employment, including upgrades and duration, follow the rules of the Max Planck Society for the Advancement of Sciences and those of the German civil service.
- Our institute takes all measures to implement the principles set out in the Commission Recommendation on the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers regarding working conditions, transparent recruitment process based on merit and career development (in compliance with the Art.32 of the grant agreement with the European Commission).

Selection process

A selection panel will be established. The selection will follow the rules of the Code of Conduct for Researcher Recruitment (<http://ec.europa.eu/euraxess/index.cfm/rights/codeOfConduct>)

The Max Planck Institute for Meteorology seeks to increase the number of female scientist and encourages them to apply. Handicapped persons with comparable qualifications receive preferential status.

How to submit your application for this post

Please submit:

- 1) A cover letter
- 2) A detailed curriculum vitae
- 3) Publication list
- 4) Certificates of work and studies
- 5) The names, addresses, and telephone numbers of two references

By uploading the documents in our online Webtool:

https://s-lotus.gwdg.de/mpg/mhmt/perso/mpim_w004.nsf/application

Deadline for applying

This vacancy has been opened **10 July 2015**. A first cut-off date for the collection of the applications is foreseen on **20 August 2015**. If the position is not filled, this vacancy announcement will be re-published indicating a second cut-off date. Indicatively, interviews will be held in mid-September.

Further information on this position

For further information, please contact Dr. Johann Jungclaus at [johann.jungclaus\(at\)mpimet.mpg.de](mailto:johann.jungclaus(at)mpimet.mpg.de)

Do not forward your application to this email address, the applications need to be submitted through the online Webtool (see link above).

This project has received funding from the European Union's Horizon 2020 research and innovation programme grant agreement No 641727

