



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 European climate Risk Assessment), the Research Group Ocean Statistics, department for Ocean in the Earth System, we are looking for a

Postdoctoral Scientist (m/f, Ref. MPIM-W005)

for working on advanced climate model simulations at high 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 develop, conduct, supervise and analyze simulations of the historical and near-future climate evolution and change at the highest possible resolution. The researcher recruited for this position will:

- develop and carry out the 'Frontier Simulations' using MPI-ESM following the protocol agreed-on by the consortium
- contribute, together with other EU partners, to obtain a robust and systematic assessment of the effects of increased resolution on the historical climate evolution and near-future climate change, in particular the effects of resolved meso-scale eddies on the Atlantic overturning circulation (AMOC) and the Europe climate
- contribute to project and sub-task coordination
- disseminate the results through publications in peer-reviewed journals and presentations at conferences

He/she will form part of an international, interdisciplinary team based at universities and research institutes 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, in particular regarding processes behind meso-scale eddies and the variability and change of the AMOC and the European climate
- Experience in modelling geophysical fluids, preferably in modelling the coupled atmosphere-ocean system, and skill in climate model evaluations
- 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 reposting 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 (TVöD 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) 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_w005.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.

Further information on this position

For further information, please contact Dr. Jin-Song von Storch at [jin-song.von.storch\(at\)mpimet.mpg.de](mailto:jin-song.von.storch(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

