



The Max Planck Institute for Meteorology MPI-M, a multidisciplinary centre for climate and Earth system research located in Hamburg, Germany, invites applications for a

Scientific Programmer (f/m/d; W089)

to lead a team conducting scientific programming activities in the MPI-M Scientific Computing Laboratory SCLab in the context of the EU Euro-HPC project **ACROSS** (GA 955648). The main working tool in the group are the supercomputing systems at DKRZ and other European high-performance computing centres, where the MPI-M Climate Modelling System ICON and its computing environment including its High-Performance Data Analysis HPDA components is developed, used and maintained. The successful applicant will, together with a team of 3 scientific programmers, contribute to the HPDA system in ICON, design and perform development of the ACROSS extensions of this system and prepare it for the pilots planned in ACROSS. These will interface the ICON data production system to the ECMWF distributed object storage system under development. The applicant will be responsible for a small group of scientific programmers working for ACROSS in SCLab and contribute to the basic model environment and workflow support in the Lab, concerning the ICON modelling system.

Qualifications / Experience

- Experience, or a strong interest in High Performance Computing and data production, streaming and handling.
- Experience with simulations on supercomputers producing extreme volumes of data.
- Expertise in C, C++, UNIX/Linux, shell scripting, and processing of simulation data.
- Sound data handling and data streaming background required.
- Good communication skills, ability to work autonomously and self-responsible.
- Proven team building and leading skills desirable.
- Fluency in English as working language.
- A PhD in Informatics, Mathematics, Physics, Geosciences or a related field would be advantageous.
- Frequent travel in the EU is expected.

Employment conditions

- The position is offered for three years, with a starting date as soon as possible.

- Payment will be in accordance with German public service positions (TVöD E13/14), 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.
- The Max Planck Society strives for gender and diversity equality. We welcome applications from all backgrounds.
- Handicapped persons with comparable qualifications receive preferential status.

Selection criteria

Candidates will be evaluated based on their qualifications and ability to fulfil the responsibilities as outlined for this project.

Deadline for applying

Please submit your application until **15 June 2021**. The position will be open until filled.

We are looking forward to receiving your application including the following documents:

- A cover letter
- A detailed curriculum vitae
- The names, addresses, and telephone numbers of two referees

For further information, please contact **Reinhard Budich (reinhard.budich(at)mpimet.mpg.de)**. Do not forward your application to this email address; the application needs to be submitted through the online application system (see link below).

Please submit the application to our online application system:

https://s-lotus.gwdg.de/mpg/mhmt/perso/mpim_w089.nsf/application



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