



The Faculty of Mathematics, Informatics and Natural Sciences / Department of Earth Sciences / Meteorological Institute invites applications for a

RESEARCH ASSOCIATE FOR THE PROJECT “ATMOSPHERIC MODEL DATA: DATA QUALITY, CURATION CRITERIA AND DOI BRANDING - ATMODAT”

SUBPROJECT: IMPROVEMENT OF THE REUSABILITY OF RESULTS OF OBSTACLE-RESOLVING MODELS

- SALARY LEVEL 13 TV-L -

The position in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG) commences on 01.06.2019.

This is a fixed-term contract in accordance with Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The term is fixed until 31.05.2022. The position calls for 75 % of standard work hours per week**.

RESPONSIBILITIES:

Duties include academic services in the project named above. Research associates may also pursue independent research and further academic qualifications.

* Full-time positions currently comprise 39 hours per week.

SPECIFIC DUTIES:

AtMoDat is a joint project of Deutsches Klimarechenzentrum GmbH (DKRZ), University of Leipzig (Institute of Meteorology), Technische Informationsbibliothek (TIB), University of Hamburg (Meteorological Institute). The overall objective of AtMoDat is to improve the usability of atmospheric model results. A special goal of the work of the University of Hamburg is to improve the reusability of results of obstacle-resolving urban climate models. These models calculate meteorological quantities time-dependently on the three-dimensional spatial grid and additionally on building surfaces, in vegetation and on the ground as a function of given obstacle properties. This results in values to be provided on surfaces as well as within buildings, vegetation and in the atmosphere. New standards for obstacle-resolving models are to be developed and applied to results of own obstacle-resolving models, the standards are to be discussed in the community, they are to be documented and published. Since obstacle-resolving models use different coordinate systems, the model data should be interpolated to generic grids to facilitate later use. The standards should be applied to the data of physical models and extended if necessary.

REQUIREMENTS:

A university degree in a relevant field. Experience with using obstacle-resolving models, standard formats (e.g. Netcdf) or with the analysis of large data sets is desirable. Previous knowledge in the field of urban climate or atmospheric processes within the obstacle layer is desirable. Good knowledge of FORTRAN and the use of mainframe computers is desirable.

The University aims to increase the number of women in research and teaching and explicitly encourages women to apply. Equally qualified female applicants will receive preference in accordance with the Hamburg act on gender equality (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Qualified disabled candidates or applicants with equivalent status receive preference in the application process.

For further information, please contact heinke.schluenzen@uni-hamburg.de or consult our website at <https://www.mi.uni-hamburg.de/memi> and <https://www.mi.uni-hamburg.de/ewtl>.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 28.03.2019 to: mi@uni-hamburg.de.

Please do not submit original documents as we are **not** able to return them. Any documents submitted will be destroyed after the application process has concluded.