



Universität Hamburg  
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As a University of Excellence, Universität Hamburg is one of the strongest research universities in Germany. As a flagship university in the greater Hamburg region, it nurtures innovative, cooperative contacts to partners within and outside academia. It also provides and promotes sustainable education, knowledge, and knowledge exchange locally, nationally, and internationally.

Pending approval of external funding the Faculty of Mathematics, Informatics and Natural Sciences, Department of Earth System Sciences, Institute of Oceanography invites applications for a

## **RESEARCH ASSOCIATE FOR THE PROJECT “TRR 181 ENERGY TRANSFERS IN ATMOSPHERE AND OCEAN”, SUBPROJECT L4: ENERGY-CONSISTENT OCEAN- ATMOSPHERE COUPLING - SALARY LEVEL 13 TV-L -**

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

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 30.06.2024. 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. Project results may be used in the context of a doctoral dissertation.

### **SPECIFIC DUTIES:**

The candidate will work within the subproject "L4: Energy-Consistent Ocean-Atmosphere Coupling". She or he will work on understanding the role of submesoscale dynamics on the air-sea exchange in high resolved ocean-only and coupled models. The Max-Planck climate model ICON will be used a) in an uncoupled configuration where submesoscale processes are resolved in the North Atlantic to determine the effect of these processes on the upper ocean heat and energy transport and b) in a coupled configuration where submesoscale processes are parameterized to investigate how these processes affect the energy and heat exchange between ocean and atmosphere.

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

## REQUIREMENTS:

- A university degree in oceanography, physics, mathematics or a related field.
- Experience in analyzing large geophysical data sets with e.g. python or a related programming language are preferred but not mandatory.

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

For further information, please contact Dr. Nils Brüggemann ([nils.brueggemann@uni-hamburg.de](mailto:nils.brueggemann@uni-hamburg.de)) or consult our website at <https://www.trr-energytransfers.de/jobs>.

Applications should include a cover letter, a tabular curriculum vitae, and copies of degree certificate(s). Please send applications by 07 February 21 to: [jobs.trr181.cen@uni-hamburg.de](mailto:jobs.trr181.cen@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.