

Faculty/Department: Mathematics, Informatics, Natural Sciences/Biology

Seminar/Institute: Institut für Hydrobiologie und Fischereiwissenschaft

Universität Hamburg invites applications for a Research Associate in the field of Climate Modelling in accordance with Section 28 subsection 1 of the Hamburg Higher Education Act (Hamburgisches Hochschulgesetz, HmbHG). The position commences latest on 01-Nov-2018.

It is remunerated at the salary level TV-L 13 and calls for 50% of standard work hours per week.*

The fixed-term nature of this contract is based upon Section 2 of the academic fixed-term labor contract act (Wissenschaftszeitvertragsgesetz, WissZeitVG). The initial fixed term is three years.

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).

Responsibilities:

Associates will be expected primarily to teach and conduct research. The associate will also have the opportunity to pursue further academic qualifications, in particular a doctoral dissertation. At least one-third of set working hours will be made available for the associate's own academic work.

Specific Duties:

The potential of biological carbon management has been recognized in the United Nations Framework Convention on Climate Change. Yet, ideas on regional marine carbon management are less concrete. In addition, criteria for ecosystem-based management and carbon-based management are likely to be different and thus both strategies might even compete. The Baltic Sea is a suitable test case to study consequences of both strategies. The overall objective is to evaluate the potential for different functional groups of the Baltic Sea ecosystem and to study the effects of ecosystem management in the Baltic Sea on carbon storage.

Active cooperation with climate scientists from different disciplines, particularly Marine Biology as well as Ecosystem Modelling is expected. The candidate will design concepts and case studies for carbon management, perform selected model experiments and analyze the results. The number of teaching hours is 2 per week during the semester.

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

Requirements:

A university degree in a relevant field. MSc or diploma in climate science or a related field with a strong interest in marine biological processes. Good knowledge in marine biology, programming (e.g., FORTRAN), visualization tools and LINUX or UNIX is expected. The candidate must have either profound knowledge in English - native or TOEFL-score with a minimum of 25 in each of the four sections or equivalent (e.g. "DAAD-Sprachzeugnis") - or German (native or "Deutsches Sprachdiplom", Stufe 1) with good knowledge in English.

Severely disabled applicants will receive preference over equally qualified non-disabled applicants.

For further information, please contact Prof. Dr. Inga Hense (inga.hense@uni-hamburg.de) or consult our website at <https://www.clisap.de/research/b:-climate-manifestations-and-impacts/crg-advancement-of-coupled-climate-ocean-ecosystem-models/>.

Applications should include a motivation letter, curriculum vitae, and copies of degree certificate(s) and language certificates (if applicable). The application deadline is **30-June-2018**. Please send applications to: Prof. Dr. Inga Hense (inga.hense@uni-hamburg.de).