Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

1919 2019
100 JAHRE WISSENSWERFT
Universität Hamburg

Faculty/Department:	Mathematics, Informatics and Natural Sciences/Biology
Seminar/Institute:	Institute of Marine Ecosystem and Fisheries Science (IMF)

Universität Hamburg invites applications for a Research Associate **in the field of end-to-end ecosystem modelling using 'Atlantis'** working at the Institute of Marine Ecosystem and Fisheries Science (IMF) within the framework of the DFG Excellence Cluster '**Climate, Climatic Change and Society (CliCCS)'** in accordance with Section 28 subsection 3 of the Hamburg Higher Education Act (Hamburgisches Hochschulgesetz, HmbHG). This three-year position commences on 1st April, 2019.

CliCCS is an ambitious research program at Universität Hamburg and its partner institutions. Funded by the German Research Foundation (DFG), it is part of Germany's Excellence Strategy. The program aims to understand climate changes, taking into account internal variability, extreme events, and unexpected side effects, addressing the natural and social spheres as well as their interactions. Thus CliCCS' overarching research question is: Which climate futures are possible and which are plausible? CliCCS will investigate how climate changes and how society changes with it, thereby feeding back on climate. It will identify those climate futures that are consistent with both climate and social dynamics (possible), and those we expect to unfold with appreciable probability (plausible).

This project within CliCCS will parameterize and utilize an end-to-end model to explore the potential impacts of climate change and future scenarios of spatial management on the North Sea ecosystem. Emphasis is placed on exploring impacts on fish and fisheries in light of interacting pressures and policies such as the development of offshore renewable energy, the establishment of conservation areas and implementation of sustainable, ecosystem-based management satisfying various EU directives. The work dovetails with ongoing developments in the capacity to project climate impacts across various terrestrial and aquatic social-ecological systems via collaboration with other groups at the University of Hamburg, the MPI (Max Planck Institute for Meteorology) and HZG (Helmholtz Center Geesthacht) within CliCCS.

The position is remunerated at the salary level TV-L 13 and calls for 39 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 position is offered for 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 Equality Act (Hamburgisches Gleichstellungsgesetz, HmbGleiG).

Responsibilities:

The research associate will be expected to complete the parameterization of an end-to-end model and utilize this tool to explore the impacts of pressures and drivers on the North Sea ecosystem. This research scientist will have the opportunity to pursue further academic qualifications.

Specific Duties:

The successful candidate will parameterize and utilize an 'Atlantis' model and pursue inter- and trans-disciplinary research on the impacts of climate change on the North Sea. The researcher is responsible for all aspects of model development, and for preparing reports and peer-reviewed articles on outcomes of this CliCCS research. This includes active collaboration with the broader Atlantis community in northern Europe and elsewhere as well as with scientists from a broad range of disciplines.

Requirements:

We are looking for an outstanding and highly motivated researcher with

- A PhD in Physical or Biological Oceanography, Marine Ecology, or related discipline
- Previous experience parameterizing and utilizing Atlantis or other end-to-end ecosystem models
- Excellent written and verbal communication skills in English
- The ability to work independently and proactively in an inter- and transdisciplinary team
- Strong interpersonal and organizational skills

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

For further information on this Atlantis CliCCS project, please contact Prof. Myron A. Peck (myron.peck@uni-hamburg.de).

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 31st January, 2019. Please send applications to Prof. Myron A. Peck (myron.peck@uni-hamburg.de).