



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

Universität Hamburg invites applications for a Research Associate for the project “**Humboldt Tipping (Social-ecological Tipping Points of the Northern Humboldt Current Upwelling System and Economic Repercussions)**” in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on 1st March, 2019.

It 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 term is fixed for a period of 3 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:

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

Specific Duties:

The successful applicant will assemble and analyze historical time-series data to examine ecological tipping points in the northern Humboldt Eastern Boundary Upwelling System (HUS) and understand the responses of the HUS to various interacting drivers including climate change and fisheries. The work fits within the broader frame of exploring dynamic feedbacks among ecological, social and economic components of the HUS. This work dovetails with other, newly funded research programs examining trophic transfer efficiency (‘CUSCO’) and fisheries-induced evolution (‘SOMBEE’) in the HUS. Furthermore, this position is part of a network of newly-funded programs exploring socio-ecological tipping points across a broad range of marine ecosystems including European regional seas. Active collaboration with scientists in these networks, especially those in Peru (IMARPE), is expected.

Requirements:

A university degree in a relevant subject plus doctorate.

We are looking for an outstanding and highly motivated researcher with

- A PhD in Physical or Biological Oceanography, Marine Ecology, Environmental Science or related discipline



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- Previous experience in utilizing advanced statistical techniques on complex time series data, especially Generalized and Additive Mixed Modelling techniques or Machine Learning approaches.
- 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. If applicable, please list further requirements here.

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

For further information, please contact Prof. Myron Peck (myron.peck@uni-hamburg.de and/or Prof. Christian Möllmann (Christian.moellmann@uni-hamburg.de. or consult our website at <https://www.biologie.uni-hamburg.de/en/einrichtungen/imf.html>.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 3rd February, 2019. Please send applications to: Prof. Myron Peck (myron.peck@uni-hamburg.de).