Pending approval of external funding, Universität Hamburg invites applications for a Research Associate for the project “Spatio-temporal analysis of tipping points in the social-ecological system of the southern North Sea (SeaUseTip)” in accordance with Section 28 subsection 3 of the Hamburg higher education act (Hamburgisches Hochschulgesetz, HmbHG). The position commences on 1 March 2019.

It is remunerated at the salary level TV-L 13 and calls for 65% 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 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:**
SeaUseTip is a transdisciplinary research project which aims to assess the vulnerability of the socio-ecological system (SES) of the North Sea to ecological tipping points by combing economic, socio-cultural and ecological analyses. Emphasis lies on the SES in relation to key fisheries resources in the southern North Sea. Ultimately, the results will allow a better understanding of the linkages between the provision of ecosystem services and the effectiveness of management measures.

The candidate is expected to conduct a study on "ecological tipping points" within SeaUseTip. The content of the investigation will encompass studies on Regime Shifts in the North Sea, especially within the local commercially exploited fish community. The analyses would contain tipping point detection, quantification of the importance of external drivers and the identification of underlying mechanisms. Duties comprise especially the analysis of spatially and temporally resolved monitoring data using modern multivariate and non-linear statistical analysis. The results of the research will contribute to the inter- and transdisciplinary studies of SeaUseTip leading to an analysis of the vulnerability of the North Sea social-ecological system.

* Full-time positions currently comprise 39 hours per week.
Requirements:
A university degree in a relevant field. We are searching for a quantitatively oriented ecologist, ideally holding a Master with a marine biological or resource-ecological focus (e.g. fisheries science) or a comparable study programme.Motivated candidates from other fields with skills in multivariate and non-linear data analysis or machine learning approaches are also welcomed to apply. We expect a solid background in programming languages (such as R or Python), good English skills and the ability to work in a team while working independently.

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

For further information, please contact Prof. Dr. Christian Möllmann or consult our website at www.biologie.uni-hamburg.de/forschung/oekologie-biologische-ressourcen/maroeksysdyn.html.

Applications should include a cover letter, curriculum vitae, and copies of degree certificate(s). The application deadline is 31.01.2019. Please send applications to: christian.moellmann@uni-hamburg.de.

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