Job vacancy at the Johann Heinrich von Thünen-Institute

The Institute of Sea Fisheries at the Johann Heinrich von Thünen-Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries, in Bremerhaven is offering a full-time position (currently 39 hours per week) for a

Postdoc researcher (m/f/d)

for the project SeaUseTip (Spatial and temporal analysis of tipping points of the socio-ecological system of the North Sea) The position is starting at the 1st of June 2019 and is limited to 28th of February 2022.

The Thünen Institute advises the Federal Ministry of Food and Agriculture (BMEL) regarding the implementation of the Common Fisheries Policy (CFP) and is actively involved in the implementation processes of the Marine Strategy Framework Directive (MSFD).

SeaUseTip is funded by the Federal Ministry of Education and Research (BMBF) and 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. Emphasis lies on the SES in relation to key fisheries resources in the southern North Sea and the novel integration of economic, socio-cultural and ecological analyses. SeaUseTip will develop operational tools allowing a better understanding of the effectiveness of management measures.

The successful candidate should develop a profound understanding of the SES of the North Sea and its vulnerability to ecological tipping points. The candidate should contribute to the development and implementation of an integrated spatio-temporal assessment framework which allows to explore the SES vulnerability. This forms the scientific basis to evaluate management options and inform marine spatial planning. In addition, the candidate is expected to occasionally advise SeaUseTip PhD students, engage actively with SeaUseTip stakeholders, and contribute to the project coordination, dissemination and reporting.

Detailed tasks:

- Compilation of physical, ecological and economic time series and spatial data of the North Sea in a project data base
- Definition and operationalisation of indicators representing key components of pre-defined SES
- Contribution to the operationalisation of a conceptual SES model e.g. with the help of Bayesian Belief Networks (BN)
- Combination of operational SES model with GIS to produce predictive maps
- Development of stakeholder engagement processes to verify model results
- Contribution to project management and coordination
- Reporting, publication and communication of scientific results

Requirements:

- A PhD in Marine Biology, Fisheries Biology, integrated ecosystem assessment or comparable disciplines
- Experience in data compilation and handling
- Proficiency in the use of R and ArcGIS
- Experience in applying Bayesian Belief Networks would be an asset
- Excellent communication and writing skills in English and at least the willingness to learn German; a knowledge of the German language would be beneficial
- Work experience in interdisciplinary research teams
- Excellent communication skills and proven track record in publishing scientific results

We offer:

- an exciting position in applied research which produces results of high public interest
- intensive interdisciplinary and international cooperation

The employment is governed by the Wage Agreement for Public Services (TVöD-Bund). The payment of remuneration is carried out according to tariff-category 13 TVöD. A part time position is also possible.

The Thünen Institute promotes the professional equality of women and men and is thus especially interested in applications from women.

Severely disabled applicants with equal qualification will be given particular consideration. Only a minimum physical aptitude is expected from them.

Additional information is available from Dr. Vanessa Stelzenmüller (vanessa.stelzenmueller@thuenen.de), Institute of Sea Fisheries and Dr. Rabea Diekmann (rabea.diekmann@thuenen.de), Institute of Fisheries Ecology.

Interested candidates should send their applications (including motivation letter, CV, list of publications, copies of relevant certificates, names and addresses of personal references) preferably via e-mail in one PDF file referring to **"SF-SeaUseTip Postdoc"** by 23rd of April 2019 to

sf-bewerbungen@thuenen.de

Johann Heinrich von Thünen-Institut
Institut für Seefischerei
Herwigstrasse 31, 27572 Bremerhaven
Germany

Informations about Artikel 13 DSGVO: www.thuenen.de/datenschutzhinweis-bewerbungen.