

The Institute of Sea Fisheries of the Johann Heinrich von Thünen Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries in Bremerhaven is looking for the following position for 18 months starting 16.04.2024 if possible:

Postdoc researcher position (m/w/d)

in full-time employment as a part of the international project **GES4SEAS** (Achieving good environmental status for maintaining ecosystem services by assessing integrated impacts of cumulative pressures).

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).

GES4SEAS is funded by the EU framework program Horizon 2020 and aims to guide marine governance processes on minimizing human pressures and their impacts on coastal and marine biodiversity and ecosystem functioning, while maintaining the sustainable delivery of ecosystem services. GES4SEAS will develop an innovative toolbox, tested, validated and demonstrated, in the context of an adaptive ecosystem-based management (EBM). The Thünen Institute is co-leading the case study work package, where European case studies co-develop, test and apply models to assess the combined impact of human pressures and climate change on achieving Good Environmental Status (GES).

The successful candidate will be expected to review and develop essential ocean/biodiversity variables (EOV/EBVs) as well as to assess their status in relation to spatio-temporal dynamics of human pressures. This work will significantly contribute to the development and implementation of an operational framework to monitor the risk of cumulative impacts of human pressures on ecosystem functions and services at a European scale. In addition, the candidate is expected to occasionally advise PhD students, engage actively with stakeholders if needed, deliver and contribute to project reports, communicate with project partners, coordinate and organise work tasks, participate in respective expert working groups as well as publish and disseminate project results.

Detailed tasks

- Development and application of an operational framework to assess the risk of cumulative impact of human pressures and climate change on EOV/EBVs, ecosystem services and functions,
- Contribution to the analysis of the footprint and intensity of human pressures and activities in the North Sea,
- Contribution to the definition and spatio-temporal analysis of EOV/EBVs to maintain ecosystem services and functions in the North Sea,
- Analysis of knowledge gaps and integration of results across multiple case studies,
- Contribution to the development of management recommendations and mitigation measures,
- Contribution to project management, 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, handling of spatial data in R or/ and ArcGIS,
- Experience in impact analysis and/ or integrated assessments with respective publication records,
- Knowledge of EU environmental policy requirements,
- Experience in time series analysis and spatial modelling,
- 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,



- Experience in project coordination would be an asset,
- Excellent communication skills and proven track record in publishing scientific results.

We offer:

- mutual learning across disciplines through an interdisciplinary project team,
- an exciting position in applied research which produces results of high public interest,
- intensive interdisciplinary and international cooperation.

The employment contract is governed by the provisions of the collective agreement for the civil service (TVöD). Payment of the fee is made according to the tariff group 13 TVöD.

We support the compatibility of family life and work by offering flexible working hours and home office solutions. Working part-time is generally possible. The Thünen Institute is certified by audit berufundfamilie. A part time position is also possible.

The Thünen Institute promotes professional equality among women and men and therefore welcomes applications from women in particular.

Handicapped people are given preferential consideration in cases of equivalent qualifications. They must only demonstrate a minimum of physical fitness in the context of the task required.

Additional information is available from Dr. Vanessa Stelzenmüller (vanessa.stelzenmueller@thuenen.de).

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 “**2024-033-SF GES4SEAS**” before **08.03.2024** to the

sf-bewerbungen@thuenen.de
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Information about Artikel 13 DSGVO: www.thuenen.de/de/thuenen-institut/karriere