

# HIFMB

Helmholtz-Institut  
für Funktionelle  
Marine Biodiversität  
OLDENBURG



The Helmholtz-Institute for Functional Marine Biodiversity (HIFMB) is a new institute integrating marine biodiversity research, established on the campus of the Carl von Ossietzky University Oldenburg. It joins the scientific profiles of the Institute of Chemistry and Biology of Marine Systems (ICBM) Oldenburg and the Alfred Wegener Institute – Helmholtz Centre for Polar and Marine Research Bremerhaven (AWI).

During the establishment phase, we are able to offer a position as a

## Postdoc

### Anthropogenic drivers of spatial dynamics in functional biodiversity

#### Background and tasks:

Shallow offshore ecosystems such as the southern North Sea experience a dramatic switch in human impact and demand for goods and services that adds to the climate driven long-term environmental change. The installation of literally thousands of offshore wind turbines and the simultaneous cessation of fisheries in these areas will alter habitat structure and stress levels and thus will initiate a development towards taxonomically, functionally and trophically different communities. The sustainable management of this transition requires a thorough understanding of the underlying mechanisms. The Postdoc will explore these processes and their significance for ecosystem functions and services at different spatial scales, i.e. turbine – wind farm – regional scale. The focus will be on the benthic compartment of the ecosystem. The candidate will develop and test appropriate hypotheses and models based on own observations and experiments combined with available high-resolution and large-scale data sets from wind farms and oil & gas rigs.

#### Requirements:

Formal requirement for application is an outstanding academic university degree (PhD, promotion) in Marine Environmental Science, Ecology or a related subject. The candidate requires expertise in handling of large data sets, thorough background in theoretical ecology, benthic ecology and population dynamics as well as statistical modelling in R (e.g., structural equation models, interaction models and habitat suitability modelling). The candidate should be ready to work and communicate in an international research environment.

If you are interested or if you have any further questions, please contact: **Thomas Brey**, [thomas.brey@awi.de](mailto:thomas.brey@awi.de)

The position is limited to three years. The salary will be paid in accordance with the German Tarifvertrag des öffentlichen Dienstes (TVöD Bund) based on qualifications and transferred tasks up to salary group 13. The place of employment will be **Oldenburg**.

We offer you a multi-disciplinary, international, and fascinating professional environment with flexible working hours, state-of-the-art research equipment, and a first-rate infrastructure. The University of Oldenburg and AWI aim to increase the number of women in the scientific staff and therefore encourages women to apply. Disabled applicants will be given preference when equal qualifications are present. The AWI fosters the compatibility of work and family through various means. Because of our engagement in the area of work-life compatibility we have been awarded the certificate "Career and Family".

Please forward your applications with the standard documentation (letter of motivation, CV, certificates and a list of publications) by **April 30<sup>th</sup>, 2017** referencing code **45/D/HIFMB** to: Alfred-Wegener-Institut für Polar- und Meeresforschung, Personalabteilung (human resources), Postfach 12 01 61, 27515 Bremerhaven/Germany or by e-mail (all documents merged into one PDF file) to: [personal@awi.de](mailto:personal@awi.de).