

At the Deutsches Meeresmuseum in Stralsund are a project position **from 01.11.2022 to 30.07.2024**

Research Scientist (m/f/d): Potential Effects of Carbon Capture Storage and Seismic Surveys on Porpoises (GEOSTOR)



to be filled **in part-time (20 h/week)**.

The foundation Deutsches Meeresmuseum is a national and internationally important, specialized natural history museum and is one of the most visited museums in Germany. Its exhibition, collection and research activities focus on marine biology, fisheries and marine aquaristics. The foundation Deutsches Meeresmuseum includes the sites MEERESMUSEUM and OZEANEUM in Stralsund as well as the NATUREUM and the NAUTINEUM.

The growing research department of the Deutsches Meeresmuseum focuses on aquatic vertebrates, European seas and collection-related research. The German Oceanographic Museum has long-standing expertise in acoustic monitoring and the effects of underwater sound on marine vertebrates.

The GEOSTOR project aims to develop a roadmap for large-scale storage of carbon in sub-seabed geological formations in the German sector of the North Sea. It will quantify geological storage potentials, identify and investigate possible storage locations, assess environmental risks, develop novel monitoring techniques, study the legal framework and estimate costs for offshore CO₂ transport and storage. Noise emitted during seismic surveys, drilling and the operation of storage sites may affect marine mammals. We will estimate noise levels, assess to what degree the underwater acoustic habitat quality for marine mammals may be affected by exploration and storage site operation (in particular monitoring) and identify measures to minimize noise emissions and their harmful effects. The project is funded by the Federal Ministry for the Environment.

Your profile:

- Master degree or PhD (or comparable) in bioacoustics, physics, engineering or life sciences
- Experience in at least one of the following: underwater acoustics, hearing physiology, modelling
- Developed programming skills in Matlab or R
- (optional) Experience in sound propagation modelling
- Background in Biostatistics including Generalized Additive Mixed Models (GAMM) and Generalized Estimating Equations (GEE) or equivalent
- (optional) Experience in evaluating data from acoustic monitoring
- (optional) Experience in working towards a political framework for regulation
- excellent German or English language skills

We offer:

an ambitious, variable job in a young team of biologists, veterinarians, educators and engineers working in a complex field of conservation challenges, public relation work, collections based research, exhibitions and outreach activities.

The salary is in accordance with TVöD VKA and is remunerated at EG 13. The opportunity for scientific qualification (doctorate) or post-doc is granted depending on the current level of education.

Please send your complete application, quoting the file number AZ: W/O/001_22, as a single PDF file with letter of motivation as well as statement of research experience, including publications and third-party funding by e-mail together with your references and certificates by **October, 15, 2022 to:**

Deutsches Meeresmuseum
Dr. Michael Dähne
Katharinenberg 14–20
18439 Stralsund

E-Mail: bewerbung@meeresmuseum.de

For any questions please contact **Dr. Michael Dähne, Tel. +49 152 38903160, michael.daehne@meeresmuseum.de**.
Costs incurred in connection with this job advertisement will not be reimbursed.

Die Stiftung Deutsches Meeresmuseum wird gefördert von: