

Job-offer code : GEOSTOR-1

The Ocean Museum Germany invites applications for a **full-time (39-hour) position** as

Scientist (m/f/d)

The position is available immediately and ends on 31 July 2024.

The place of employment is Stralsund, Germany.

The Ocean Museum Germany in Stralsund is a natural history museum of national and international importance. It encompasses the MEERESMUSEUM, OZEANEUM, NATUREUM, and NAUTINEUM. It is renowned for its extensive ocean exhibits and large public aquariums highlighting marine life in the northern and tropical seas. The Ocean Museum Germany is one of the most-visited museums in northern Germany. Its respected scientific collections and research division have a focus on marine biology, oceanography, and fisheries.

The Ocean Museum Germany is located in the UNESCO World Heritage City of Stralsund, which was founded in 1234. As a member of the Hanseatic League, the beautiful city has a long-standing connection to the oceans, and the Baltic Sea in particular. It is a family-friendly environment and lies in one of the prime vacation destinations of Germany.

The **research project GEOSTOR** 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. Environmental risks include effects on the distribution, abundance, and physiology of harbour porpoises by an increased need for seismic exploration as part of the monitoring of potential deposits. The project is funded by the Federal Ministry for the Environment.

Your tasks include:

- Evaluation of a large dataset of broadband recordings and click detection of odontocete echolocation during seismic surveys
- Modelling of porpoise distribution in relation to a seismic source
- Development of sound exposure maps
- Establishing guidance documents and mitigation strategies to protect porpoises during seismic surveys
- Support in project management and administrative tasks
- Quality control, documentation of results, and reporting
- Organization of project meetings and scientific conferences
- Cooperation and collaboration in national and international committees
- Publication and presentation of research results

Job requirements:

- PhD or Msc in bioacoustics, physics, engineering, or biology
- Strong background in underwater acoustics, and/or ecological modelling
- Proven programming skills in Matlab or R
- Experience in sound propagation modelling
- (optional) Biostatistics including Generalized Additive Mixed Models (GAMM) and Generalized Estimating Equations (GEE), or equivalent
- (optional) Experience in working towards a political framework for regulation
- Excellent knowledge of English

We offer a salary related to the German public tariff (Entgeltgruppe 13, TVöD VKA) plus the usual social benefits for the public employment sector. The Ocean Museum Germany is an equal opportunity employer for women, minorities, and people with disabilities, and strives to increase the percentage of women in the science sector. Severely disabled persons with equal qualifications will be considered preferentially.



Please send your application (if possibly as pdf-file) including job offer code: GEOSTOR-1 to bewerbung@meeresmuseum.de including your CV, motivation letter, list of publications, and list of references. **Closing date for applications is January 7, 2024.**

Costs incurred during the application process will not be compensated. With your application, you agree that your personal data will be stored and processed until the end of the application process. More detailed information is available at <https://www.deutsches-meeresmuseum.de/datenschutz/>.

If you have any questions about this call for applications, please contact the **Scientific Director Prof. Dr. Burkard Baschek** on **+49 3831 2650-200**.

