Job posting (Geo 06/2024) & (Geo 07/2024)

The Leibniz Institute for Baltic Sea Research Warnemünde (IOW) is offering

2 * PhD positions in the Marine Geology department

to be filled from 01.04.2025 for a time period of 3 years and a percentage of 75% (30h/week), subject to final funding decision. Remuneration is paid in accordance with the TV-L salary scale, level EG 13.

Who are we?

The IOW is an independent research institute of the Leibniz Association for which equal opportunities, family friendliness and work-life balance are very important. Our research focus is on the coastal and marginal seas, especially the Baltic Sea. The staff of the four sections Physical Oceanography and Instrumentation, Marine Chemistry, Biological Oceanography and Marine Geology works interdisciplinary within a joint research programme.

What will be your tasks?

During the late Pleistocene and Early Holocene, Northern Europe was populated by mobile hunter gatherers. Due to their non-sedentary lifestyle, traces of these societies are difficult to find, which hampers our understanding of how they lived and developed. Some parts of the SW Baltic Sea, however, only drowned in the Holocene and may therefore preserve anthropogenic structures and landscapes from these Palaeolithic/ early Mesolithic times. Recently, a submerged stonewall, likely a Stone Age architecture used for hunting, has been discovered in the SW Baltic Sea.

A 3-years project (SEASCAPE) is funded by the Leibniz Association aiming to understand in more details this structure, identify other hitherto unrecognized Stone Age megastructures, and reconstruct the paleo-environment in which these structures were build. The SEASCAPE project involves archaeologists, geologists, geophysicists and paleoclimatologists from the Leibniz Institute for Baltic Sea Research Warnemünde (IOW), the Leibniz-Zentrum für Archäologie (LEIZA), the University of Rostock and Kiel University.

In the frame of the SEASCAPE project, the Marine Geology Department of the IOW is seeking for two PhD students to:

Geo 06/2024 Analyse sediment cores retrieved from basins in the SW Baltic Sea. The sediments will be used in a "multi-proxy" approach (sedimentology, organic and inorganic geochemistry, micropalaeontology) to reconstruct paleo-environmental conditions during the late Pleistocene and early Holocene, when the stonewall might have been build.

Geo 07/2024 Analyse marine geophysical (seismic, multibeam echosounder, side-scan sonar) and visual data to reconstruct the detailed morphology and texture of the stonewall and search for other submerged Stone Age architectures at the bottom of the Baltic Sea.

What do we expect from you?

You have a university degree (Diploma, Master) in geology, geosciences, geophysics, marine technology or related fields with a focus on marine topics. You have very good oral and written English language skills and enjoy working in interdisciplinary teams. Experience with ship-based expeditions and the willingness to participate in research cruises within the project are also desirable. Knowledge of the stratigraphy of the Baltic Sea is also an advantage. In addition to the above, you

Geo 06/2024 should have some background in sedimentology and paleoclimatology, and in the best case some experience in organic and inorganic geochemistry (biomarkers and organic/inorganic proxies).

Geo 07/2024 should have some background in marine hydroacoustic and ideally some background in photogrammetric reconstructions.

What does the IOW offer?

The IOW offers you a varied workplace in the immediate vicinity of the Baltic Sea (Work at sea) with flexible working arrangements, e.g. the possibility of working from home or remotely. A very good infrastructure with modern laboratory and office equipment, including on our own research vessel, form the framework for the best working conditions.

How do we promote equal opportunities?

Our job offers are aimed at all people regardless of their gender. Research benefits

from a diverse working environment, which is why we have signed the Diversity Charter.

IOW aims to specifically promote women in areas where they are underrepresented. For this purpose, the institute has given itself a plan to promote equality (plan for the equal opportunities committee at the IOW) and has repeatedly been awarded the Total E-Quality award for its commitment (website TOTAL E-QUALITY e. V.). You can find an overview of our measures for equal opportunities and for improving the compatibility of work and family on our website.

We give preference to applications from disabled persons with equal professional and personal suitability. Please mention the disability or equality in your letter of application and enclose a copy of the relevant certificate.

How to apply?

Please send us your application documents with a curriculum vitae, a short motivation letter (1 page), a summary of the master thesis (1 page), the master diploma with the academic transcript, and contact details of possible references (max. 3).

We look forward to receiving your application, quoting the keyword: **Geo 06/2024** or **Geo 07/2024** by **15.01.2025**

to

bewerbung.geologie@io-warnemuende.de

or

Leibniz Institute for Baltic Sea Research Warnemünde

Human Resources Department

Seestraße 15

18119 Rostock

Germany

The interviews are expected to take place on **06.02.2025**.

Unfortunately, we cannot cover your application and travel costs.

For further information, please contact:

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