

GEOMAR Helmholtz Centre for Ocean Research Kiel is a foundation under public law jointly financed by the Federal Republic of Germany (90%) and the State of Schleswig-Holstein (10%). It is one of the internationally leading institutions in the field of marine research.

Through our research and our commitment to the transfer of knowledge and technology, we contribute significantly to the preservation of the function and protection of the ocean for future generations.

The European project MiningImpact investigates the impacts of deep-sea mining on the marine ecosystem and its functions. Scientific results contribute to international regulations for seabed mineral exploitation. Within this project the research unit Marine Geosystems of the research division Marine Biogeochemistry is offering a position for a

## **Doctoral Researcher (m/f/d) in assessing the environmental impacts of deep-seabed mining**

starting as soon as possible. The position offers the possibility to attain a doctoral degree in natural sciences.

### **Job Description**

You will perform a comparison of the environmental impacts of deep-seabed mining and conventional land-based mining operations applying a recently developed metric. You will utilize the full breadth of data from polymetallic nodule ecosystems collected by the MiningImpact project, including new data from an upcoming expedition. You will apply state-of-the-art numerical and statistical models to assess impacts on biogeochemical processes and ecosystem health. You will interact with colleagues in an inter- and transdisciplinary research environment. You will publish your results in international peer-reviewed journals and present them at international conferences and workshops.

### **Qualification**

#### Required

- Master (or Diploma) in the field of natural sciences (marine sciences, marine geosciences, marine biology or similar)
- Good knowledge of biogeochemical processes (including carbon cycle)
- Knowledge of mathematical methods (numerical modelling, statistics) for analyzing environmental data
- High level of proficiency in English

#### Desirable

- Experience in interpreting and working with biogeochemical and/or ecosystem data
- Knowledge of ecosystem processes and functions
- Ability and willingness to closely collaborate in an interdisciplinary team
- Good communication skills
- Ability to work target-oriented

**At a workplace, directly on the Kiel Fjord with many leisure and recreational opportunities, we offer you:**

- Good conditions for work-life balance: We offer, among other things, the possibility of

mobile working and individual working time arrangements, vacation courses for the children of our employees, and good support in finding a place in a daycare center at the Kiel site

- Support services for professional and personal life situations
- An exciting work environment with the opportunity to provide important impetus for the development of sustainable solutions
- Exciting topics in an international environment
- Work in the field of marine and climate research, a forward-looking area with social significance
- 30 vacation days + additional time off at Christmas Eve and New Year's Eve
- Company pension plan and capital-forming benefits

The position offers the possibility to attain a doctoral degree in natural sciences. The position is available for a period of 36 months. The salary depends on qualification and could be up to the class **E13** (TVöD-Bund) of the German tariff for public employees. This is a part-time position according to 75 % of a full-time equivalent. The position cannot be split. Flexible work-time models are possible.

GEOMAR Helmholtz Centre for Ocean Research Kiel seeks to increase the proportion of female scientists and explicitly encourages qualified female academics to apply. GEOMAR is an equal opportunity employer and encourages scientists with disabilities to apply. Qualified disabled applicants will receive preference in the application process.

Please send your application for this post **no later than 10. October 2025** under the following link:

### [Online application](#)

As soon as the selection procedure has finished, all your application data will be removed according to data protection regulation.

For further information regarding the position and research unit please contact Dr. Matthias Haeckel ([mhaeckel@geomar.de](mailto:mhaeckel@geomar.de)).

We will answer all your questions if you send us an e-mail to [bewerbung@geomar.de](mailto:bewerbung@geomar.de). In doing so, please refer to the keyword "**DSMLBM**".

For further information on GEOMAR Helmholtz Centre for Ocean Research Kiel or the Helmholtz Association, please visit [www.geomar.de](http://www.geomar.de) or [www.helmholtz.de](http://www.helmholtz.de).

GEOMAR is committed to an objective and non-discriminatory personnel selection. Our job advertisements address all people. We expressly renounce the submission of application photos.



The TOTAL E-QUALITY award is presented to GEOMAR for efforts in terms of human resource management aimed at providing equal opportunity.