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GEOMAR Helmholtz Centre for Ocean Research Kiel is a foundation of public law jointly financed by the Federal Republic of Germany (90 %) and the state of Schleswig-Holstein (10 %) and is one of the internationally leading institutions in the field of marine sciences. Currently GEOMAR disposes over an annual budget of approx. 80 million Euro and has approx. 1000 employees.

The research unit Chemical Oceanography of the research division Marine Biogeochemistry is offering a

## **Scientific position (m/f/d) European Ocean Observing – gap identification**

starting on 1 November 2021.

### *Project description:*

“EuroSea - Improving and Integrating European Ocean Observing and Forecasting Systems for Sustainable use of the Oceans” is an EU project funded by the European Union’s Horizon 2020 research and innovation programme under grant agreement No 862626.

Ocean observing is “big science” and cannot be solved by individual nations; it is necessary to ensure high-level integration for coordinated observations of the ocean that can be sustained in the long term. EuroSea brings together key European actors of ocean observation and forecasting with key end users of ocean observations, responding to the Future of the Seas and Oceans Flagship Initiative.

Our vision is a truly interdisciplinary ocean observing system that delivers the essential ocean information needed for the wellbeing, blue growth and sustainable management of the ocean. EuroSea strengthens the European and Global Ocean Observing System (EOOS and GOOS) and supports its partners. The project increases the technology readiness levels (TRL) of critical components of ocean observations systems and tools, and in particular the TRL of the integrated ocean observing system. EuroSea improves: European and international coordination, design of the observing system adapted to European needs, in situ observing networks, data delivery, integration of remote and in-situ data, and forecasting capability. EuroSea works towards integrating individual observing elements to an integrated observing system and connects end-users with the operators of the observing system and information providers.

### *Job description:*

A first task in this position is the detailed identification of gaps in European Ocean Observing based on document research (e.g. AtlantOS Blue print, EMODnet Checkpoints, Jerico documents, OceanOPS Covid survey, BioEco survey) and exchange with European key actors in this field.

Based on the metadata analysis of previous studies in this field and literature review and research, the position holder will design an implementation plan for an improved European Ocean Observing System. This will not only include recommendations for the different actors in ocean observing and European policy makers, but also provide an overview of the current and future data situation in the form of data maps.

This work will be done in very close synthesis with the international project partners, who are key players in the European ocean observing landscape, to ensure feasibility of the recommendations.

The aim of all work is to produce target-oriented documents (i.e. policy briefs, reports) for a dialogue with policy-makers and other key stakeholders in ocean observing.

In order to successfully accomplish these tasks, close cooperation with the international project

team on governance and coordination of ocean observing and forecasting systems (EuroSea work package 1) and support to the EuroSea activities on data mapping and data integration (deliverable D3.17) during the employment period are required.

### Qualification

Required qualifications:

- Master degree or equivalent qualification in marine science or a related field or Masters degree in another field and strong background knowledge and work experience in ocean observing, preferably a doctoral degree in the named field
- Good understanding of organizational structures and data organization
- Excellent English skills (oral and written)
- Well-developed networking and communication skills
- Willingness to work in an international team and independently

Desired qualifications:

- Background knowledge about European key stakeholders in this field
- Experience with data analysis
- Experience in development of documents suitable for both political decision makers and scientific community
- Willingness to travel internationally

The position is available for a funding period of 16 months (until February 2023). The salary depends on qualification and could be up to the class 13 TVöD-Bund of the German tariff for public employees. This is a full-time position. The position can be split.

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 via email in a **single pdf-file** mentioning the keyword "**EuroSea**" in the subject line. Please send your application not later than **15 August 2021** to the following email address:

[bewerbung@geomar.de](mailto:bewerbung@geomar.de)

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 the project leader Toste Tanhua ([ttanhua@geomar.de](mailto:ttanhua@geomar.de)) or the project manager Nicole Köstner ([eurosea@geomar.de](mailto:eurosea@geomar.de)).

Please do not contact us by phone about the present state of procedures. However, 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.

GEOMAR is a member of the Helmholtz Association and the German Marine Research Consortium (KDM). For further information please visit [www.geomar.de](http://www.geomar.de) or [www.helmholtz.de](http://www.helmholtz.de).

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