

MARUM – Center for Marine Environmental Sciences at the University of Bremen is offering (subject to approval by the funding agency) a position for a

Postdoctoral Researcher (f/m/d) for 26 months
German federal salary scale EG 13 TV-L (100 %)
Starting at August 1, 2024 until September 30, 2026
at the longest (according to § 2 WissZeitVG)

within the project:

**Reconstructing the response of West Indian Ocean
cold-water corals to environmental change**
(part of the BMBF-project COWIO – Cold-water corals in the West Indian Ocean)

Background:

This project will build on the R/V SONNE expedition SO-306 to the West Indian Ocean in August/September 2024. During this expedition cold-water coral ecosystems on volcanic islands and seamounts of the Comoros and Mayotte and along the East-African continental margin will be investigated. The main objectives are (a) a systematic inventory of the recent distribution and biodiversity of cold-water coral ecosystems under the influence of prevailing environmental conditions, (b) a reconstruction of their evolution under climate change in the geological past, and (3) an assessment of their future development in times of Global Change will be conducted.

Tasks:

The successful candidate will (1) participate in the SO-306 expedition, (2) analyse coral-bearing sediment cores by computer-tomography scanning and Th/U-dating of corals to reconstruct cold-water coral mound development, and (3) analyse coral-barren sedimentary records with paleoceanographic methods (stable isotopes and Mg/Ca analyses on benthic foraminifera, grain size analyses, etc.) to define the response of cold-water corals to environmental changes in the West Indian Ocean.

Requirements:

- Completed scientific university studies (Master's degree/university diploma) and a PhD in marine geosciences, palaeoceanography, cold-water coral research or related fields
- willingness and ability to participate in sea-going field work,
- experience with geochemical and geophysical laboratory methods, dating and/or CT-data processing would be desirable
- strong English language skills (CEF-Level B2).

MARUM (www.marum.de) has developed into an internationally recognised centre for marine research with a focus on the geosciences, anchored at the University of Bremen. MARUM aims to support its postdoctoral researchers in their professional development and personal growth to

advance their independent research, as well as their professional and academic career (<https://www.marum.de/en/education-career/postdocs.html>).

The university is family-friendly, diverse and sees itself as an international university. We therefore welcome all applicants regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, sexual orientation and identity.

As the University of Bremen intends to increase the proportion of female employees in science, women are particularly encouraged to apply.

Disabled applicants will be given priority if their professional and personal qualifications are essentially the same.

For more information on the position, please contact Prof. Dr. Dierk Hebbeln (dhebbeln@marum.de).

Applicants should submit following documents: (i) a cover letter stating their motivation, (ii) CV, (iii) copies of degree certificates, (iv) names of two potential referees, and (v) publication list with reference to **job advertisement number A114-24** by **March 20, 2024** to

Prof. Dr. Dierk Hebbeln
MARUM – University of Bremen
Leobener Str. 8
28359 Bremen

or as a single PDF file (max. size 8 MB) by e-mail to bewerbung-a11424@marum.de.

We kindly ask you to send us only copies (no portfolios) of your application documents, as we cannot return them. They will be destroyed after the selection process has been completed. Any application costs cannot be reimbursed.