

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 January 1, 2025 until February 28, 2027 at the longest

within the project:

**Reconstruction of the long-term development of cold-water corals
in the Southwest Pacific in the context of regional environmental conditions**
(part of the BMBF-project CoralNewZ – Cold-water corals off New Zealand: Biology and
Geology)

Background:

This project will build on the R/V SONNE expedition SO-309 to the SW Pacific around New Zealand in January/February 2025. During this expedition cold-water coral ecosystems on volcanic structures and along the New Zealand 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 the prevailing environmental conditions, and (b) a reconstruction of their development under the influence of climate change in the geological past.

Tasks:

The successful candidate will (1) participate in the SO-309 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,
- strong English language skills (CEF-Level B2)
- experience with geochemical and geophysical laboratory methods, dating and/or CT-data processing would be desirable.

Open to unconventional approaches in research and teaching, the University of Bremen has retained its character as a place of short distances for people and ideas since its founding in 1971. With a broad range of subjects, we combine exceptional performance and innovative potential. As an ambitious research university, we stand for research-based learning approaches and a pronounced interdisciplinary orientation. We actively pursue international scientific cooperation in a spirit of global partnership.

Today, around 23,000 people learn, teach, research and work on our international campus. In

research and teaching, administration and operations, we are firmly committed to the goals of sustainability, climate justice and climate neutrality. Our Bremen spirit is expressed in the courage to dare new things, in supportive cooperation, in respect and appreciation for each other. With our study and research profile and as part of the European YUFE network, we assume social responsibility in the region, in Europe and in the world.

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/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 A240-24** by **August 31, 2024** as a single PDF file (max. size 8 MB) by e-mail to bewerbung-a24024@marum.de or by mail to

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

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.