The Cluster of Excellence “The Ocean Floor – Earth's Uncharted Interface” at the MARUM - Center for Marine Environmental Sciences, University of Bremen, is offering (under the condition of job release)

**one Ph.D. position (f/m/d) for 3 years,**
**starting date is January 1st, 2023**
**salary group TV-L 13, (66,66%)**

**in Oceanography and Isotope Geochemistry**

The employment is fixed-term and governed by the Act of Academic Fixed-Term Contract (i.e., §2 I Wissenschaftszeitvertragsgesetz – WissZeitVG). Therefore, candidates may only be considered for appointment if they still have the respective qualification periods available by § 2 (1) WissZeitVG.

At MARUM Ph.D. students are supervised by a team of experienced scientists. Additional training and support are offered by the Bremen International Graduate School for Marine Sciences, GLOMAR. These offers include expert as well as skills and methods courses, coaching, networking opportunities, and the opportunity to compete for internal funds. At MARUM, Ph.D. students acquire expert knowledge in their field and a solid background across many disciplines of marine sciences.

The Ph.D. project is in the framework of the Cluster of Excellence “The Ocean Floor – Earth’s Uncharted Interface” (https://www.marum.de/en/The-Ocean-Floor.html), which is part of the Research Faculty MARUM. Within the project Ocean Floor as RECEIVER (https://www.marum.de/en/The-Ocean-Floor/Research-Unit-RECEIVER.html), the work for the position is in the general area of Oceanography and Isotope Geochemistry.

The project aims to reconstruct the oceanic uptake of isotopically depleted carbon released through the burning of fossil fuels to improve our understanding of the temporal and spatial distribution of carbon isotopes and its controlling factors. Specific tasks will include:

- the measurement of the stable isotope ratio of dissolved carbon in preserved water samples from various MARUM expeditions
- the analysis of the resulting data and their inclusion into existing carbon isotope data sets
- the generation of data products suitable for the comparison with the output of isotope enabled climate model experiments
- an assessment of the distribution of the carbon isotope Suess Effect as an indicator of the Anthropocene in different carbonate based marine archives

Your profile:

- Completed MSc or equivalent qualification in physics, physical oceanography, atmospheric science or geosciences – or a related field
- Knowledge of climate or ocean dynamics
- Experience in lab work, scientific programming and data analysis
Applicants should be highly proficient in English, have excellent skills in scientific writing, and enjoy working in an international and interdisciplinary team.

MARUM is an internationally recognized center for marine research, anchored at the University of Bremen. The University of Bremen follows a diversity strategy. It strives to increase the number of women in the academy and strongly encourages applications from suitably qualified female candidates. International applications and applications of academics with a migration background are explicitly welcome. Disabled persons with essentially same professional and personal qualifications will be given preference.

We look forward to receiving your application in English (CV + cover letter).

Applications should be sent with the reference number A212/22 until August 31st, 2022 to:

Dr. Stefan Mulitza
MARUM – Zentrum für marine Umweltwissenschaften
Universität Bremen
Leobener Straße 13
28359 Bremen

or alternatively by email to: smulitza@marum.de