

At the University of Bremen in Faculty 08 (Social Sciences) at the Institute of Geography (GEOPOLAR working group), there is a vacancy for the position (under the condition of job release), starting as soon as possible of a

**Research Assistant (m/f/d)**  
Remuneration group TV-L 13  
to the extent of 75 % of the regular weekly working time  
Reference number: A72/23  
for a period of 3 years.

The time limit is set in accordance with § 2 para. 1 WissZeitVG (Wissenschaftszeitvertragsgesetz). Accordingly, only applicants who still have qualification periods to the corresponding extent according to § 2 para. 1 WissZeitVG can be considered.

This position is funded through the DFG project "Regional reconstruction of water availability to extend instrumental hydroclimatic records into the Late Holocene - a high-resolution investigation of calendar year-dated natural archives from maar lakes in the Newer Volcanic Province, south-eastern Australia". The lacustrine sediment records to be investigated offer ideal conditions for the reconstruction of regional water availability as well as of short-term climate fluctuations during the last millennium. The project work will be carried out at the University of Bremen and in international cooperation with universities in Adelaide (Australia), Bern (Switzerland) and Gdansk (Poland).

#### **Tasks**

The range of tasks includes sediment descriptions as well as carrying out sedimentological and geochemical analyses on sediment cores, which will be recovered during a fieldtrip at the beginning of the project. The creation of a time scale with different methods forms another important aspect for these investigations. Evaluation and visualization of collected data are placed in the context of regional and of southern hemispheric climate dynamics. Particular attention will be paid to recording data related to the regional water availability (droughts, floods) and integration with the Late Holocene climate development (Little Ice Age, Medieval Climate Optimum, El Niño Southern Oscillation). This investigation aims at producing a cumulative dissertation, the results of which will be published in scientific publications and presented at national and international conferences.

#### **Recruitment requirements**

- Master's degree in physical geography, geosciences or related disciplines
- Basic knowledge in the fields of sedimentology and palaeoclimatology are an advantage
- Productive working style, team skills as well as motivation and interest in working in an international and multidisciplinary research environment
- Good command of written and spoken English

Please direct any queries to Prof. Dr. Bernd Zolitschka, University of Bremen, e-mail: [zoli@uni-bremen.de](mailto:zoli@uni-bremen.de).

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. Application and interview costs will not be reimbursed.

Applications with the usual documents (informative cover letter, curriculum vitae, certificates) should be sent by **31.05.2023**, quoting the **reference number A72/23**, to:

University of Bremen  
Department 8 - Social Sciences  
FB 8/3 - Code number A72/23  
Postfach 33 04 40  
28334 Bremen

or electronically in one PDF-file to [fb08.bewerbung@uni-bremen.de](mailto:fb08.bewerbung@uni-bremen.de).