

The LIAG-INSTITUTE FOR APPLIED GEOPHYSICS is looking for you to start as soon as possible with 100 % of the regular weekly working time for a 18 months project position.

Postdoctoral Research Assistant (m/f/d) E 13 TV-L

Job posting number G 27/24

Keyword: „Paläoklimatische Prozesse Atlantik/Afrika“

The LIAG Institute for Applied Geophysics is an autonomous and independent research institute in Hanover. Within the major subject areas of "geohazards", "groundwater systems" and "georeservoirs", one focus is the investigation of sediments and sedimentary rocks. This also includes the analysis of environmental changes and their effects on sedimentological processes.

LIAG offers a wide range of opportunities for personal and professional development, an exceptionally active and inspiring scientific community and excellent networks in international academia.

The advertised project aims to improve our understanding of palaeoclimatic interactions based on a marine sediment sequence off the coast of Africa. One focus is on cyclostratigraphic analyses, examining not only the classic Milanković cycles, but also in addition shorter frequency cycles. The interpretation of the results is linked in to the palaeoclimatic development of continental Africa during the Quaternary.

Most of the project activities will be carried out at LIAG in Hanover and includes evaluation of collected data and writing publications. In addition, research visits to the project partners at MARUM in Bremen, the University of Münster and the FU Berlin are planned, partly including laboratory work.

Tasks:

- Preparation of up to two publications in peer-reviewed journals within the project duration
- Implementation and interpretation of XRF and XRD measurements on marine sediment cores, in collaboration with project partners
- Analysis of the collected data, in particular with regard to paleoclimatic issues
- Integration of new results with existing literature and ongoing projects
- Presentation of scientific results at national and international conferences

Required qualifications and experience:

- University degree (Master's degree or equivalent) in Geophysics, Geosciences, Geology, Geography or a comparable field
- Doctoral degree
- Expertise in paleoclimatic processes, especially in the Quaternary/Neogene and the (sub)tropics

- Evidence of scientific achievements in these fields through publications in international peer-reviewed journals
- Structured and independent way of working, resilience
- Ability for interdisciplinary cooperation in an international team, communication and teamwork skills
- Good English language skills (at least comparable to level C1 GeR)
- Willingness to travel to partner institutions for several days, sometimes including laboratory work

Ideally, you also meet the following requirements:

- Experience in evaluation, analysis and interpretation of XRF data
- Knowledge in cyclostratigraphy
- Programming skills (specifically in R)
- Interest in geophysical methods for rock/sediment characterization

We offer:

LIAG enjoys an excellent reputation, both nationally and internationally. The institute is characterized by excellent infrastructural integration into the GEOZENTRUM Hannover, state-of-the-art and high-performance equipment (IT, laboratory, field), strong networking, and a friendly, professional and collegial working-environment. LIAG promotes further education and training of its staff.

The place of employment is Hanover, Germany. The classification takes place in salary group 13 of the collective agreement for the public service of the German states (TV-L), taking into account § 40 No. 5 TV-L (consideration of professional experience).

We welcome applications from people of all nationalities, regardless of their origin, gender, religion or belief, disability, age or sexual identity. LIAG also pursues the goal of equal professional rights for women and men. Therefore, we particularly welcome applications from women. With flexible working hours, we offer you a responsible and varied job that is also suitable for part-time employees and as a re-entry after parental leave.

The LIAG endeavours to increase the proportion of severely disabled people, which is why they will be given preference, if they are equally qualified.

Please submit your application electronically (PDF with max. 10 MB) with meaningful documents, quoting the job advertisement number **G 27/24** and the keyword „**Paläoklimatische Prozesse Atlantik/Afrika**“ via career@leibniz-liag.de to Dr. Arne Ulfers until **18.09.2024**.

More information about our institute is available on our website www.leibniz-liag.de. For further information, please contact Arne.Ulfers@leibniz-liag.de