

External Job Advertisement Reg.- Nr. 5-3159/24-H

Martin Luther University Halle-Wittenberg (MLU), Faculty of Natural Sciences III, Institute of Geology and Geography offers the following position:

Doctoral Researcher (m/f/x)

Starting date: August 2024, limited to 3 years, 75 per cent of full-time employment.

The salary conforms to the regulations of pay group 13 TV-L depending on the nature of the assigned tasks as well as the candidate's individual qualifications.

Tasks:

- Main focus is on Thermal Processes in Groundwater and to investigate the potential of near-surface aquifers for geothermal use on different scales because temperature of groundwater bodies is an indicator of climate change, geothermal potential and ecological quality.
- Characterization of the influence of climate change on the spatial and temporal development of groundwater temperatures
- Assessment of dynamic geothermal potentials of near-surface aquifers
- Carrying out field measurements and numerical modeling
- Co-supervision of students and participation in teaching (2 semester hours per week)
- Publication of high-quality scientific results

Requirements:

- Master's degree, diploma or equivalent in the natural or engineering sciences (e.g. geosciences, environmental sciences, geophysics, physics)
- Strong interest in interdisciplinary, quantitative environmental research
- Knowledge of hydrogeology or geothermal energy
- Experience with thermal processes or thermodynamics is an advantage
- Programming knowledge (e.g. in Python or Matlab)
- Ability to work in a team, motivation, creativity, high level of commitment
- Fluent written and spoken English skills. Knowledge of German is an advantage

The Martin Luther University Halle-Wittenberg gives priority to applications from severely disabled candidates with equivalent qualifications. Women are particularly encouraged to apply. Applicants with a degree that was not obtained at a German university must submit a certificate assessment for foreign university qualifications (Statement of Comparability for Foreign Higher Education Qualifications) from the Central Office for Foreign Education (<https://www.kmk.org/zab/central-office-for-foreign-education>).

Queries concerning the application process and project-related questions should be directed to the head of the research unit, Prof. Peter Bayer - <https://applied.geo.uni-halle.de>.



All applications should include:

- Cover letter in English (or German) shortly describing the motivation for the project, research interests and relevant experience
- Complete curriculum vitae including contact details of two referees
- Digital copy of Master's/Bachelor's/Diploma degree certificates
- All documents should be submitted as one single pdf file.

Kindly send your application, quoting the reference number 5-3159/24-H to Prof. Peter Bayer (peter.bayer@geo.uni-halle.de). The submission deadline is April 30 2024. Selected candidates may be invited to an interview already before this deadline. The position is offered with reservation of possible budgetary restrictions. Application portfolios will not be returned, and application costs cannot be reimbursed.