

External Job Advertisement Reg. Nr. 5-9193/26-D

Creating Knowledge. Since 1502: Martin Luther University Halle-Wittenberg (MLU) offers a wide range of academic subjects in the areas of humanities, social sciences, natural sciences and medicine. The oldest and largest university in Saxony-Anhalt was created in 1817 when the University of Wittenberg (founded in 1502) merged with Friedrichs University Halle (founded in 1694). Today the university has 340 professors and 20,000 students. Research at the university focuses on nano and life sciences, the Enlightenment, society and culture.

The Faculty of Natural Sciences III, Institute of Geosciences and Geography, Chair of Applied Geology, at Martin Luther University Halle-Wittenberg is seeking a part-time (50 %)

Doctoral Researcher (m-f-d).

The fixed-term position is available at the earliest possible date until 31 December 2027.

Remuneration will be determined based on job duties and responsibilities and will be aligned with the fulfillment of listed personal requirements, up to pay grade E13 under the *TV-L (Tarifvertrag für den Öffentlichen Dienst der Länder – 'German Public Service Pay Agreement for the Federal States')*.

Job Responsibilities:

- Simulation of flow and transport processes in fractured aquifers
- Further development of Bayesian methods for calibrating fracture network models (discrete fracture networks, DFNs)
- Co-supervision of students
- Publication of high-quality scientific results

Requirements:

- Completed university degree (Master's degree, diploma or equivalent) in the natural or engineering sciences (e.g., environmental sciences, geosciences, geophysics, physics, mechanical engineering)
- Interest in computer-based environmental research
- Professional knowledge in hydrogeology, modelling and inversion techniques
- Professional programming knowledge (e.g., in Python or MATLAB)
- Fluent written and spoken English skills. Knowledge of German is an advantage.
- Ability to work as part of a team, motivation, creativity, and a strong commitment

Applications from disabled persons, including those of equal status (as certified by the *Bundesagentur für Arbeit* / Federal Employment Agency), will be given preferential consideration if they are equally suitable and qualified. Women are strongly encouraged to apply. Applications from individuals of all nationalities are explicitly welcome. Applicants with a degree that was not obtained at a German university must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (ZAB) (<https://www.kmk.org/zab/central-office-for-foreign-education>) as proof of equivalence upon conclusion of the employment contract. You can find ways to apply for a financial grant for this under: <https://www.anerkennung-in-deutschland.de/html/de/pro/anerkennungszuschuss.php#>.

If you have any questions, please contact Prof. Dr. Peter Bayer, Email: peter.bayer@geo.uni-halle.de.

Please send your application, including Reg. No.: 5-9193/26-D with the required documents to Martin Luther University Halle-Wittenberg, Naturwissenschaftliche Fakultät III, Institut für Geowissenschaften und Geographie, Prof. Dr. Peter Bayer, 06099 Halle (Saale), Email: peter.bayer@geo.uni-halle.de.

The application deadline is at the 22th of september, 2026.

The application 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**.

This job posting is subject to potential budgetary restrictions.

Application costs will not be reimbursed by Martin Luther University. Application documents will only be returned if a sufficiently stamped envelope is enclosed. Electronic applications are welcome.