



The Chair of Applied Geology at
GeoZentrum Nordbayern, University of
Erlangen-Nuremberg, Germany
is offering a

PhD position
in geochemistry & stable
isotope research

We seek a highly motivated candidate for an interdisciplinary project on salt deposits and their use as underground storage of gases and fluids. The project aims to investigate principles of innovative technologies to help understand cavern stability. Partners involved are experts from industry and from Helmholtz GeoForschungszentrum (GFZ Potsdam) with aspects of geophysics, gas geochemistry and hydrogeological modelling.

Project objectives include identification of fluid and gas sources in salt deposits and work will focus on stable isotope analyses of H₂O and CO₂, extractions from highly saline solutions and participation in high p/T laboratory experiments.

We offer:

- Participation in an interdisciplinary research project
- A vibrant academic environment
- Well-equipped stable isotope and geochemical laboratories

**Candidate
profile:**

- Master degree (or equivalent) in Natural Sciences
- Strong interest in geochemistry
- Willingness to carry out fieldwork below ground in active salt mines
- Ability to independently develop and perform experimental approaches
- Enthusiasm for scientific writing and fun when working in a team
- Scientific results are expected to be published in international journals and the candidate should also present results on conferences
- Knowledge of German and an EU valid drivers licence (B) would be an advantage.

The position is funded by the Federal Ministry of Education and Research (BMBF). Starting date is 01.07.2017 and the salary is TVL E13 up to 75 % together with health and social security benefits for 3 years. Please address further questions and applications (cover letter, motivation statement, CV, academic transcripts & certificates, publication list and contact details of referees **in one coherent PDF file**) to johannes.barth@fau.de before 15th of March 2017.