

The Department of Applied Geosciences and Geophysics, Chair of Applied Geophysics, invites applications for a 3-year limited-term Research Assistant. The minimum salary is € 2.237,60 (14 x per year, pay scale B1 according to Uni-KV) plus benefits. The actual salary may vary depending on experience.

The position is part of the recently funded grant from the Austrian Science Fund (FWF) on Origins of Seismic Reflectivity in Lower Crustal Rocks, which will be conducted within the framework of the Drilling the Ivrea-Verbano zone (DIVE - <http://www.dive2ivrea.org/>) project. A Master degree in geophysics, physics or a similar discipline is required at the time of the appointment as well as the wish to obtain a PhD degree.

The successful applicant will have a solid understanding of seismic wave propagation, as well as a strong scientific computer programming background preferable in Python or MATLAB. The ability and willingness to work long hours in the field during the drilling campaign is essential and a working knowledge of seismic instruments and seismic data processing is desirable. The applicant must be fluent in spoken and written English.

The position will involve seismic-while-drilling (SWD) and borehole seismic experiments to image and characterize the perforated lithologies. The candidate is expected to adapt and develop signal processing techniques tailored to SWD in crystalline rocks, process borehole seismic data and relate the resulting signals back to their geologic and petrophysical origins.

The position offers an excellent opportunity for a young researcher to work in an interdisciplinary international project of high impact with plenty of opportunities to network in order to start a successful academic career.

Please submit your application in English no later than **27.03.2022** using the online-form and link to the job reference number (**2202WPF**) on the Montanuniversität website: <https://www.unileoben.ac.at/en/jobs/>

For your application, please include

- CV
- Copies of diplomas and university transcripts
- Letter of motivation
- Names and contact information of two referees

For further questions, please contact the secretary ([geophysik@unileoben.ac.at](mailto:geophysik@unileoben.ac.at)), or Dr Andrew Greenwood ([andrew.greenwood@unileoben.ac.at](mailto:andrew.greenwood@unileoben.ac.at)).