

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 FWF-funded (Austrian Science Fund) research project on “Origins of Seismic Reflectivity in Lower Crustal Rocks”, which will be conducted within the framework of the Drilling the Ivrea-Verbanò zone (DIVE - <http://www.dive2ivrea.org/>) project. A Master degree in geophysics, geoscience, 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 candidate will have a good understanding of well logging methods and interpretation, as well as very good programming skills preferably in Python or Matlab. Knowledge of geostatistical and petrophysical methods and seismic attributes are an advantage. The applicant must be fluent in spoken and written English. Knowledge of German is desirable.

The position will involve the interpretation of geophysical borehole data to characterize the perforated lithologies. The candidate is expected to apply and adapt geostatistical methods for rock mass classification in crystalline rocks. This should provide insights into the interdependencies between measured properties and petrological factors controlling them. The results will then be used to predict seismic attributes from well log responses and to shed a light on the origin of seismic reflectivity in lower crustal rocks.

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 as well as to start a successful academic career.

Please submit your application in English no later than **01.04.2022** using the online-form on the university website <https://www.unileoben.ac.at/en/jobs> with the reference number **2202WPE**

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 (christiane.pretzenbacher@unileoben.ac.at), or Ass. Prof. Eva Caspari (eva.caspari@unileoben.ac.at)