

The Department of Forest and Soil Sciences, Institute of Soil Research is currently seeking a

## Postgraduate Research Associate Project employment (Reference code: 93)

Extent of employment: 30 hours per week  
Duration of employment: 1<sup>st</sup> of July 2021, limited to 30<sup>th</sup> of June 2024

Workplace: Tulln, Vienna

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 2.228,60

### Responsibilities

- Support the scientific implementation of the research project Vienna Urban Carbon Laboratory ([https://www.wwf.at/programmes/environmental\\_system/ESR20-030/index.php?lang=EN](https://www.wwf.at/programmes/environmental_system/ESR20-030/index.php?lang=EN))
- Stable carbon isotope measurements for urban CO<sub>2</sub> emissions: Assistance with setting up and maintaining in situ measurement instruments, analysis and interpretation of measured ambient isotopes and isofluxes related to local greenhouse gas emissions in the city of Vienna
- Source signature characterisation: Investigating the isotope signatures of the different fuels
- Combusted in Vienna, we expect a clear separation between petrol and diesel on the one hand and natural gas on the other
- Methodological evaluation: Implementation of the a cavity ring-down laser absorption spectrometer for long-term monitoring and integration in and eddy covariance isoflux system
- Preparation of manuscripts on the research results for publication in international, peer-reviewed journals
- Contribution to project reports and assistance with project management

### Required skills and qualifications

- Diploma degree in Meteorology, Natural Science or other equivalent university degree
- Proven background/specialisation in atmospheric sciences
- Experience in analysing stable isotopes and/or greenhouse gas measurement
- Interest in- and knowledge of urban greenhouse gas emissions and urban climate change mitigation
- Proficiency in processing and analysis of large datasets
- Fluency (written and spoken) in English
- Organized approach to work with strong attention to detail
- Ability to work independently and take initiative
- Excellent communication skills and strong team ethic
- Creativity and persistence

### Desirable skills and qualifications

- Experience in stable isotope measurements of greenhouse gases using laser-based instruments
- Fluency (written and spoken) in German
- Full drivers' license

Applications can be submitted until: 21<sup>st</sup> of May 2021

University of Natural Resources and Life Sciences Vienna seeks to increase the number of its female faculty and staff members. Therefore qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference unless reasons specific to an individual male candidate tilt the balance in his favour.

People with disabilities and appropriate qualifications are specifically encouraged to apply.

Please send your job application incl.

- motivation letter
- CV
- Contact details of 2 referees

to Personnel department, University of Natural Resources and Life Sciences, Peter-Jordan-Straße 70, 1190 Vienna; E-Mail: [kerstin.buchmueller@boku.ac.at](mailto:kerstin.buchmueller@boku.ac.at). (**Reference code: 93**).

We regret that we cannot reimburse applicants travel and lodging expenses incurred as part of the selection and hiring process.

**[www.boku.ac.at](http://www.boku.ac.at)**