

The Department of Landscape, Spatial and Infrastructure Sciences, Institute of Statistics is currently seeking a

## **Postgraduate Research Associate (project employment)**

Reference code: 200

Extent of employment: 30 hours per week  
Duration of employment: limited to 31<sup>st</sup> of October 2025

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 2.294,00

### **Responsibilities**

- The research assistant will perform advanced statistical modelling of low flow and stream temperature within the ACRP-funded project DIRT – Drought Impact on Remobilization of water pollutants from river sediments
- The research will include geostatistical models, statistical learning, and other space-time methods for stream networks. Bayesian methods shall be developed that combine space-time predictions with lab experiments and in-situ monitoring
- The research assistant will work in a team of environmental statisticians with a focus on drought hydrology, in close collaboration with an interdisciplinary consortium of hydrochemists and hydrobiologists. They are expected to work towards their dissertation project on a project-related topic
- The research assistant will also be involved in administrative aspects of the project, to enter, analyse and archive the data, to perform annual reporting, to contribute to the preparation of publications for peer-reviewed journals, and to present the results at conferences and workshops

### **Required skills and qualifications**

- Diploma degree in hydrology, statistics, water management, or other related field of environmental sciences and engineering or other equivalent university degree

### **Desirable skills and qualifications**

- Profound knowledge of statistical and geostatistical methods of extreme events and their application to environmental processes and data is essential, preferably with experience in water sciences and natural hazards, notably low flows and droughts
- The applicant should have excellent analytical and computer skills and experience in statistical software (R) and Geo Information Systems
- Very good skills in English and German (speaking and writing) are necessary, along with the willingness to write scientific papers

Applications can be submitted until: 3<sup>rd</sup> of November 2022

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

to Assoz.Prof. DI Dr. Gregor Laaha, [gregor.laaha@boku.ac.at](mailto:gregor.laaha@boku.ac.at). (Reference code: 200)

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)**