



The Department of Water-Atmosphere-Environment, Institute for Hydraulics and Rural Water Management is currently seeking a

Postgraduate Research Associate (Project employment)

(Reference code: 62)

Extent of employment: 30 Hours per Week
Duration of employment: 01st of October 2015 to 30th of September 2018

Gross monthly salary and pay grade in terms of collective agreement for university staff (payable 14 times per year): B1, € 1.997,20

In the frame of the international research project „Development of models to predict land-use-induced soil pore-space changes and their hydrological impacts“, we are currently seeking qualified candidates for a PhD position. The project will be carried out by the Institute for Integrated Management of Material Fluxes and of Resources, United Nations University (UNU-FLORES), Dresden, the Institute of Soil Science and Site Ecology, Technical University of Dresden, and the Institute of Hydraulics and Rural Water Management, University of Natural Resources and Life Sciences (BOKU), Vienna.

Responsibilities

The PhD candidate at BOKU should work on the following task:

- Quantification of temporal variations of soil hydraulic properties by periodic field and laboratory measurements (hood infiltrometry, evaporation method, dye tracer tests) at selected field sites in Austria with a focus on short-term (intra-seasonal) changes in soil hydraulic properties.

Detailed job requirements, position descriptions, and application requirements can be downloaded at the following [Link](#).

Required skills and qualifications

- Completed degree in Agriculture, Forestry, Geoecology, Geosciences, (Environmental-)Physics or equivalent
- Graduate level knowledge in soil physics and hydrology
- Fluent in English and German (oral and written) and possess driving licence valid in Austria

Desirable skills and qualifications

- Experience in scientific writing
- Willingness to work independently in the field
- Knowledge of programs as HYDRUS, COUPMODEL, or BROOK90
- Computational skills (programming language as R, Fortran, Matlab, C, etc.)
- Willingness to travel and work in an international team
- Reliability, self-organization, preciseness
- Experience with the required experimental methods is advantageous

Applications can be submitted until: 10th of August 2015

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.

Please send your job application (1 single PDF file) to Personnel department, University of Natural Resources and Life Sciences, kerstin.buchmueller@boku.ac.at. **(Reference code: 62)**

Questions can be directed to: Dr. Andreas Schwen (andreas.schwen@boku.ac.at)

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

www.boku.ac.at

Vice Rector for Human Resource Management and Organisational Development:
Univ.Prof. DI Dr. Georg Haberhauer, MBA