



The Department of Water, Atmosphere and Environment, Institute for Meteorology is currently  
seeking a

## Postgraduate Research Associate Project Employment (Reference code: 172)

Extent of employment: 40 Hours per Week  
Duration of employment: 1<sup>st</sup> of January 2019 limited to 31<sup>st</sup> of December 2021

Gross monthly salary and pay grade in terms of collective agreement  
for university staff (payable 14 times per year): B1, € 2.794,60

### Responsibilities

This PhD position is part of the Marie Slodowska Curie ECORISK2050 ITN project led by Wageningen University. The successful applicant will work on a three year research programme at BOKU to understand how pest pressures and related critical chemical emission risks in agriculture will change in the future due to drivers such as climate. During the project, you will

- (1) Establish data base of selected agro (eco)systems for pest models;
- (2) To simulate/identify main pest pressures considering representative farm level conditions (e.g. organic/extensive vs. conventional/intensive) under the applied scenarios;
- (3) To identify hot sports in regard to orography and specific management options for representative farms of case study regions.

Secondments during the 3-year research period include a 3-month research stay at University of Utrecht, Netherlands and two 6-week trainings at an Austrian plant protection company and Austrian agricultural chamber plant protection service, respectively. During your time in Vienna, you will also participate in the ECORISK2050 training programme which will involve a series of short courses, workshops and conferences at locations across Europe and in Israel on environmental risk assessment, environmental policy, and on impact and engagement.

### Further Responsibilities

- With the guidance of the project supervisor, to undertake a combination of literature searches/scholarly reading, desk-based research, subject interviews, model simulation or other research activity. Using specialist knowledge, techniques and/or instrumentation as required
- To document work appropriately and in accordance with research best practice
- To work closely with the project supervisor to prepare work for dissemination, presenting preliminary findings at meetings within the research group as appropriate
- Under the guidance of the project supervisor, to assist in writing articles, papers, reports or books as appropriate
- To liaise and collaborate with students and researchers and relevant external contacts and organisations
- To undertake appropriate organisational and administrative activities as delegated by the Research Supervisor. Examples may include: organising meetings, conferences and workshops; monitoring budgets and stock control; developing promotional or educational material.
- To prioritise tasks within an agreed work schedule to ensure that the project(s) are delivered on time

## Required skills and qualifications

Applicants should comply with the [EU rules](#) regarding ITN projects. These include especially:

- The candidate must hold a Master Degree (or equivalent) related to Agronomy, Biology, Environmental Sciences, Crop Phytopathology or similar. Candidates that are already in the possession of a PhD degree cannot be accepted.
- The candidate must not have more than four years of Full-Time Equivalent Experience at the date of recruitment (e.g. 15<sup>th</sup> January 2019). The Full-Time Equivalent Experience is measured from the date when the researcher obtained his/her Master degree
- Candidates must not have resided or carried out their main activity (work, studies, etc.) in Austria for more than 12 months in the 3 years immediately before the recruitment date (e.g. 15<sup>th</sup> January 2019). Compulsory national service and short stays such as holidays are not taken into account
- Proficiency in oral and written English
- Excellent grades in his/her Master degree

## Desirable skills and qualifications

- Commitment and enthusiasm towards completing a PhD
- Ability to work independently and to contribute to a team
- A sound understanding of agronomic practices, plant protection methods and warning tools, climate change impacts on agroecosystems and similar
- Experience on the use of mathematical and statistical tools as well as agrometeorological modelling tools, such as crop pest models
- Basic experience with GIS

Applications can be submitted until: 10<sup>th</sup> of December 2018

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 to Personnel department, University of Natural Resources and Life Sciences, 1190 Vienna, Peter-Jordan-Straße 70; E-Mail: [kerstin.buchmueller@boku.ac.at](mailto:kerstin.buchmueller@boku.ac.at). **(Reference code: 172)**

For more details please contact: Prof. Josef Eitzinger: [josef.eitzinger@boku.ac.at](mailto:josef.eitzinger@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](http://www.boku.ac.at)