



UNIVERSITÄT FÜR BODENKULTUR WIEN
University of Natural Resources
and Life Sciences, Vienna

Postdoc/PhD Position in Crop Modelling

The Department of Crop Sciences, Institute of Agronomy, at BOKU University in Vienna, Austria, is seeking a highly motivated Post-doctoral or PhD Researcher to work on Modelling Intercropping Systems. This 3-year full time position is funded by the EU project “LEGUMINOSE - Legume-cereal intercropping for sustainable agriculture across Europe” and is available from 1 January 2023.

The successful candidate is expected to develop, parameterise, and evaluate a process-based model for simulating legume-cereal intercropping systems based on historical datasets as well as new experimental data to be collected from field trials and farm labs in different pedo-climatic zones across Europe. The successful candidate will closely collaborate with an international multidisciplinary team. He/She will communicate with stakeholders involved in the project and present project outcomes at scientific conferences and meetings. A high level of productivity for peer-reviewed publications is expected.

Qualifications and required skills

Applicants should have a Masters or Ph.D. (doctorate) in agricultural systems modelling or similar. Candidates must have demonstrated experience in developing and improving process-based crop models. Advanced knowledge of crop physiology, agronomy, and crop modelling as well as experience with major cropping systems models, such as APSIM, SSM-iCrop, DSSAT, CERES is essential. Experience and skills in handling large datasets, statistical analysis of experimental data, and analytical skills in crop model parameterisation and evaluation are strongly preferred. Documented experience in scientific writing and publication in peer-reviewed scientific journals and proficiency in written and spoken English is also required.

Application Procedure

The application must be in English and include a cover letter (i.e., personal statement of background and experience relevant to the position), a Curriculum Vitae, a complete list of peer-reviewed publications, and names and addresses (including e-mails) of 3 references. Only complete applications will be considered for review. Please note that only short-listed candidates will be contacted. This position will remain open until filled.

In keeping with the BOKU University's policy regarding gender equity, female applicants are particularly encouraged. Disabled people with identical qualifications will be favoured.

Applications should be sent no later than 15 November 2022 by e-mail (only one PDF document) to:

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