



PhD position in crop production adaptations to climate change Uppsala

Ref SLU ua 2019.2.5.1-3275

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Department of Crop Production Ecology
Subject area: Biology with specialization in Ecology

Description:

Extreme weather conditions, such as those that hit Northern Europe in summer 2018, are expected to become more common with climate change. They threaten food security by reducing crop yields and increasing their year-to-year variability. We thus need to know how we should grow our crops to reduce risks of weather-induced yield losses. To this aim, the PhD-student is expected to collate and analyze long-term meteorological and yield data drawn from differently managed cropping systems, to identify the most promising cropping strategies and their applicability by farmers.

The position will be associated with the project “Cropping options to buffer climatic extremes for high and stable yields”. The successful candidate will join a world leading team in the field, with researchers at SLU, Uppsala University, and the Centre of Natural Hazards and Disaster Science, working in the areas of plant ecophysiology, hydrology, agronomy and agroecology (<https://giuliavico.wordpress.com/>, <https://www.slu.se/bommarco-lab>, <http://katalog.uu.se/profile/?id=N14-377>).

Qualifications:

We are looking for a highly motivated candidate, who is actively pursuing an academic career. The required qualification for the position is at least 240 higher education credits, including at least 60 higher education credits at second cycle education. The higher education credits can be in ecology, engineering, earth and environmental sciences, hydrology, statistics, applied mathematics, agronomy, or related fields. Written and oral proficiency in English is required. Previous experience in collation and analysis of data and working knowledge of R, MatLab, Python, C, or other programming languages for data analysis and model implementation are merits.

The selection among the eligible applicants will be based on their capacity to benefit from the training, their ability to collaborate, as well as their creativity, initiative, and independence. Selection among applicants meeting the requirements is made with reference to the written application and an interview. Particular emphasis will be placed on your written motivation, describing your research interests and interest in the project, as well as what makes you a motivated

Place of work:

Uppsala, Sweden. The position is based at the Department of Crop Production Ecology, part of the Ecology Centre at the Swedish University of Agricultural Sciences (SLU), in Uppsala, Sweden. The research conducted within the department generally aims at improving crop productivity and sustainability, considering the interactions with the surrounding environment. The Ecology Center offers a stimulating research environment, involving scientists with very diverse and complementary expertise. Furthermore, the location in Uppsala allows collaborations also with researchers at Stockholm University and KTH.

Forms for funding or employment:

Employment as PhD student (4 year education)

Starting date:

By agreement

Application:

We welcome your application no later than 2019-09-26. Use the application button below.

The application must be written in English and must contain:

1. A statement of your scientific interests and motivation for applying to this specific position (max 8000 characters including spaces);
2. *Curriculum Vitae* including a complete publication list;
3. Copies of previous university degrees and transcripts of completed courses;
4. Copy of the dissertation for masters or undergraduate degree;
5. Contact information to at least two reference persons;
6. Certification of English language knowledge equivalent to at least English B/English 6
7. If the applicant is a foreign citizen, copy of the passport page with personal data and photography.

A person has basic eligibility for third cycle education if he or she has taken a second cycle qualification or has completed course requirements of at least 240 higher education credits, including at least 60 higher education credits at second cycle education. Upper secondary school grades equivalent to English B/English 6 are a basic requirement.

Selection among applicants meeting the requirements is made with reference to written application including curriculum vitae, copies of degrees and transcripts of academic records, one copy of the dissertation for masters or undergraduate degree, a list of at least two references familiar with the applicant's qualifications, certified knowledge of the English language and an interview.

Please observe that applicant/s chosen to participate in an interview shall hand in certified true copies of certificates, diplomas and transcripts from previous studies at an internationally recognized higher education institution (university or university college) and transcripts in connection to the interview. If the applicant is a foreign citizen we require a certified copy of the page in your passport with your personal data and photography.

Read about the PhD education at SLU at www.slu.se/en/education/postgraduate-studies/

Read about the English requirements, ways to fulfil them and equivalence to internationally recognized English test here: <https://www.slu.se/en/education/programmes-courses/doctoral-studies/new-doctoral-students/english-language-requirements/>; <https://www.universityadmissions.se/en/All-you-need-to-know1/Applying-for-studies/English-requirements/Previous-university-studies/>; <https://www.universityadmissions.se/en/All-you-need-to-know1/Applying-for-studies/English-requirements/Internationally-recognized-English-test/>

Academic union representatives:

<https://internt.slu.se/en/my-employment/employee-associations/kontaktpersoner-vid-rekrytering/>

The Swedish University of Agricultural Sciences (SLU) develops the understanding and sustainable use and management of biological natural resources. The university ranks well internationally within its subject areas. SLU is a research-intensive university that also offers unique degree programmes in for example rural development and natural resource management, environmental economics, animal science and landscape architecture.

SLU has just over 3,000 employees, 5,000 students and a turnover of SEK 3 billion. The university has invested heavily in a modern, attractive environment on its campuses in Alnarp, Umeå and Uppsala.

www.slu.se

SLU is an equal opportunity employer.

Contact person
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