Phd student, Forest resource management

Ref SLU.ua.2021.2.5.1-240

Southern Swedish Forest Research Centre

SLU is one of the world’s highest ranked universities in several subject areas and is ranked #1 in forestry (CWUR). At our centre we carry out research, teaching and dissemination of scientific findings with direct application to the sustainable management of forests. We are a multidisciplinary institution, with global relevance but specialized expertise on issues related to the dynamic forest landscapes. We closely collaborate with multiple stakeholders and conduct applied research in silviculture, forest ecology, pathology, policy and planning. We teach bachelor, Masters and PhD level courses addressing all of these subject areas.

Managing stand structure to restore mixed oak-dominated forests for conservation of biodiversity

Description:

Oak-dominated forests are widespread in Eurasia and North America, supporting high biodiversity and providing important ecosystem services. However, decreasing oak dominance and oak regeneration failure are occurring worldwide, putting oak-associated biodiversity and ecosystem services at risk. Not much is known about the stand structures and light conditions necessary for promoting natural regeneration of oak. This knowledge gap causing problems for cost-effective forest management in oak forests valued for conservation. Our international project (Sweden-Spain-USA) aims to discover stand development pathways that lead to oak dominance in mixed broadleaf stands of ranging site productivities. This will be accomplished with well-replicated field studies designed to define relationships between stand structure, light availability and growth of oak regeneration. The research is organized with supervision from specialists in ecology, eco-physiology, conservation, silviculture and tree growth. An external reference group from forestry and nature conservation will participate.

Qualifications:

We are looking for a strongly motivated candidate with an MSc degree in ecology, environmental sciences, forestry or equivalent. Excellent written and spoken English is essential, as well as the ability to work both independently and in a team. A valid drivers’ license is required.
Place of work:
Alnarp

Forms for funding or employment:
Employment as PhD student (4 years)

Starting date:
According to agreement.

Application:
We welcome your application no later than 2021-04-16, use the button below.

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/programmes-courses/doctoral-studies/

Academic union representatives:

**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.

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SLU is an equal opportunity employer.

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