

Postdoctoral researcher in remote sensing of forages Swedish University of Agricultural Sciences

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Job Title	Postdoctoral researcher in remote sensing of forages
Department	NJV https://www.slu.se/njv
Institution	Swedish University of Agricultural Sciences Umeå , Sweden
Date Posted	May 3, 2021
Application Deadline	May 16, 2021
Position Start Date	As early as possible, according to agreement.
Job Categories	Post-Doc
Academic Field(s)	Agronomy/Plant & Soil Sciences
Job Website	https://www.slu.se/en/about-slu/work-at-slu/jobs-vacancies/?rmpage=job&rmjob=4926&rmlang=UK
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Job Description	

The Department of Agricultural Research for Northern Sweden (NJV) in Umeå conducts research and education in crop science and animal science, with a specific focus on forage based dairy production. The common threads in the activities are efficiency and sustainability for the whole production chain, from seeding the forage crop and feeding the animals, to the effect on milk and meat. Collaboration with other research environments and stakeholders are an important aspect for our research. The Department is also responsible for the activities at two important SLU infrastructures; a research farm with 120 dairy cows and a field station for research around crop production and agro-ecosystems in Northern Sweden.

The crop science group conducts research on cultivation of forage crops, which includes e.g.

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development of growth models, crop production management with remote sensing tools and spectral techniques, and agronomic studies. Ongoing projects involve the use of optical satellite imagery, drone RGB and multispectral imagery, field spectrometry and lab-based hyperspectral imaging. Read more about our activities and infrastructures at www.slu.se/njv-en.

We are now looking for a postdoctoral researcher to work on remotely-sensed data on a two-year scholarship.

Duties: The postdoctoral researcher will report to the head of the crop science unit. Expected tasks include (1) the processing of already acquired spectral data, (2) the acquisition of new spectral data and their ground truthing, and (3) the writing of scientific publications.

Qualifications: The candidate must have a PhD degree in agricultural science, or remote sensing of vegetation with an interest in agronomy. Coding skills (R, Python) are strongly appreciated, and previous experience with crop simulation modelling (e.g. APSIM, STICS) is an advantage. The candidate is expected to have good social skills and the ability to work both independently and within a team. The candidate should be physically fit and able to participate in field research. Holding a valid Swedish/European driving license is advantageous. The position is intended for a junior researcher and we are mainly looking for people who have completed a doctoral degree no more than three years ago.

EEO/AA Policy

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.

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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