

## Postdoc: Modelling for population viability analyses in forest

The Swedish Species Information Centre is a national center for species and habitats. We contribute to a sustainable management of the natural resources by collecting, analyzing and making data available, and by describing and presenting facts about biodiversity. We interact nationally and internationally, with focus on the benefit for conservation. Now we recruit another person who will model and simulate the distribution and (meta)population dynamics of species

**Duties:** You will develop models for species distribution and (meta)population dynamics. The models will be applied in for example the parallel BiodiERsA project GreenFutureForest ([biodiversa.org/923](http://biodiversa.org/923)) which aims at identifying a sustainable forestry given scenarios of a global demand for wood products from Sweden. For model development you will use both Citizen Science Data that have been reported to [www.artportalen.se](http://www.artportalen.se) and systematically collected research data. Also different types of covariate data will be used, field-measured as well as estimates based on remote sensing are available via Swedish LifeWatch ([www.analysisportal.se](http://www.analysisportal.se)). We study both mobile and sessile species such as birds, beetles, wood fungi and lichens.

**Qualifications:** Earlier research on modeling of species distribution or (meta)population dynamics is required. Good knowledge of statistical modeling with the software R OpenBUGS or JAGS is highly valued. Knowledge of GIS is desirable. Personal characteristics, such as the ability to collaborate, being flexible, making a positive contribution to the research group's development and the ability to work independently are also important.

**Competence:** Applicants must have a PhD in ecology or statistics. As postdoctoral appointments are career-developing positions for junior researchers, we are primarily looking for candidates with a doctoral degree that is three years old at most. It is however not a requirement - we are looking for a competent and productive person who has a strong interest in both technical model development and subsequent model applications.

**Place of work:** Uppsala

**Form of employment:** Two years

**Extent:** 100%

**Starting date:** As soon as possible, but negotiable

**Application:** We welcome your application marked with **Ref no. SLU ua 2016.2.5.1-3474**.

Please submit your application to the Registrar of SLU, P.O. Box 7070, SE-750 07 Uppsala, Sweden or [registrator@slu.se](mailto:registrator@slu.se) no later than **October 17, 2016**.

Specific documents attached: Specific documents attached: CV including list of publications, maximum five papers, a description of earlier research (maximum two pages), of current research interest and the research that you would like to conduct within the position (maximum two pages), name and address to at least two reference persons. We may ask you to send you PhD thesis at a later stage.

SLU is an equal opportunity employer.

*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](http://www.slu.se)

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