

# Postdoc: Population viability given future scenarios

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 make data available, and by describing and presenting facts about biodiversity. We interact nationally and internationally, with the benefit for conservation in focus. Now we recruit a person who will conduct simulations of species distributions, (meta)population dynamics and ecosystem services assuming different scenarios of the future.

**Duties:** You will conduct simulations of future species distribution, (meta)population dynamics (population viability analyses) and ecosystem services using models developed in different research projects. These projections aim to investigate how scenarios of socio-economic policy or development, climate change or forest management on different spatial scales (global, EU, national, landscape) may affect the future delivery of ecosystem services and the persistence of species. We also investigate conflicts and synergies between these, e.g. based on optimization. The work will be linked to our EU and nationally funded research projects where we now increase the scenario simulations after much work on model development. We study both mobile and sessile forest species. The work is funded by the Sumforest project FutureBioEcon ([sumforest.org/calls-research](http://sumforest.org/calls-research)), the BiodivERsA project GreenFutureForest ([biodiversa.org/1016](http://biodiversa.org/1016)) and Formas.

**Qualifications:** Applicants should hold a PhD in ecology or equivalent. Highly valued are earlier research on modeling or projecting species distribution or (meta)population dynamics and good knowledge on statistical modeling with the software R. Knowledge of GIS is desirable. Important are also personal characteristics which contribute to a positive development of a research group. Priority will be given to applicants who have completed their PhD within three years before the application deadline. It is however not a requirement - we are looking for a motivated person who has an interest in spatial ecology, model development and conservation applications.

**Place of work:** Uppsala.

**Form of employment:** Temporary employment, one year with possibility for extension.

**Extent:** 100%.

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

**Application** We welcome your application no later than 9 January 2019, use the button below.

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.

## **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](http://www.slu.se) SLU is an equal opportunity employer.