Id: 1142

Postdoktor: Modellering och framskrivning av skalbaggssamhällen

Diarienummer: SLU ua 2018.2.5.1-4551

Postdoc: Modelling and projecting beetle communities

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 model and project the distribution of communities of deadwood beetles.

Duties: You will develop models for the spatial structure of communities of deadwood beetles. The modelling will account for environmental conditions, species-species associations, species traits and phylogenies. You will further make projections of future distribution of the beetle communities assuming different scenarios. We study how scenarios of socio-economic policy or development, climate change or forest management on different spatial scales (global, EU, landscape) may affect the future delivery of ecosystem services, the community structure of deadwood beetles and human wellbeing. We also investigate conflicts and synergies between these, e.g. based on optimization. For model development you will use data on 1200 species collected at 150 sites across Finland. Corresponding work is conducted in Norway and Germany. The work is part of our new the BiodivERsA project BioESSHealth (biodiversa.org/1400).

Qualifications: Applicants should hold a PhD in ecology, statistics or equivalent. Required is earlier research on modeling species distribution, population dynamics, community structure and good knowledge on statistical modeling with the software R, OpenBUGS or JAGS. Knowledge of the 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 population/community ecology, statistical modelling and conservation applications.

Place of work: Uppsala.

Form of employment: Temporary employment, two years.

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/