



Swedish University of Agricultural Sciences

Department of Aquatic Resources, Institute of Marine Research, Lysekil Sweden,

Postdoctoral researcher post in population dynamics and ecosystem analyses

SLU is an international university, world class in life and environmental sciences. We are ranked among the Top 100 of ca 5,000 European universities. We have a strong research focus, but we also offer some of Sweden's most in-demand educations; veterinarian, forester, and landscape architect.

SLU has close to 3,000 employees and some 5,000 students. Annual turnover is SEK 2.7 billion, and activities are concentrated to the main campuses in Uppsala, Alnarp, Umeå and Skara. www.slu.se

The recently formed Department of Aquatic Resources monitors and evaluates the state of aquatic ecosystems and assesses the impact of resource uses on ecosystems. The research comprises stock assessment of fish and shellfish, ecosystem analyses and interactions, spatial and temporal analyses, effects of anthropogenic impact on fish, fisheries and ecosystems, fisheries management and practices, aquaculture and its effects. A major task for the department is to provide biological advice for management and sustainable use of aquatic resources, as well as to execute the Swedish part of the EU data collection framework and to carry out national environmental monitoring. The department is located to eight sites, with main offices in Lysekil, Drottningholm, Öregrund and Älvkarleby.

The Department is constituted by four institutes. The Institute of Marine Research is one of those and has as major activities to conduct monitoring and collection of data within the EU data collection framework (DCF), to assess the status of the Swedish marine resources and to develop innovative technical measures and management framework. The main fields of activities are data collection, stock assessment, ecosystem evaluation, research and development. The activity is conducted in three main units:

- Data collection
- Stock assessment
- Evaluation of management measures

Duties: the successful applicant will carry on research on temporal and spatial dynamics of marine populations and ecosystems. The work implies advanced spatio-temporal statistical analyses of the effects of fishery, climate, eutrophication and food-web structure on fish populations, but also the effects of fish populations on lower and higher trophic levels. The successful applicant will work in a research group within an on-going project. The researcher will report to the Swedish Agency for Marine and Water Management and is expected to disseminate the project results via presentations and scientific peer-reviewed publications.

Qualifications: the applicants must have been awarded a PhD in biology/ecology or statistics with focus on ecology, or have an exam equivalent to the Swedish PhD exam with analogous scientific competence.

Competence: Special weight will be given to the scientific skills. The selection of the successful applicant will be based on scientific merits in the relevant research area. Particular merits are considered good research experience of ecosystem modelling and statistical evaluation of time-series, especially in relation to spatial analyses. The applicants should preferably have experience in population ecology and programming in R. Capability to write scientific papers, proven ability to manage large data sets and willingness to work and collaborate with colleagues in an interdisciplinary group will be considered essential. Good knowledge of English (written and spoken) is a prerequisite.

The application must be written in English and include: letter of interest, detailed Curriculum Vitae including the list of publications, certificate of PhD exam, and copies of maximum 5 relevant publications. Description of other activities relevant to the position, for example teaching experience and awarded external funds (maximum 2 pages), should also be included in the Curriculum Vitae. The application must be sent to the registrar, either electronically or by regular mail in 2 identical copies.

Form of employment: Temporary employment, 12 months

Extent: 100 %

Starting date: 1 September 2011

SLU is an equal opportunity employer.

Further information:

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We welcome your application marked with Ref no. SLU ua 2059/2011.

Please submit your application to the Registrar of SLU, P.O. Box 7070, S-750 07 Uppsala, Sweden or registrator@slu.se no later than August 1, 2011.