



Naturhistoriska
riksmuseet

Senior Curator to the Department of Environmental Research and Monitoring at the Swedish Museum of Natural History

By being an arena of knowledge, experiences, discussions and debate, we want to help to increase the knowledge of our common environment and nature as well as to contribute to national environmental and conservation efforts. Our collections represent a wonderful archive of nearly ten million objects. Here you can visit the exhibitions on various themes, listen to presentations and participate in different program activities. The Swedish Museum of Natural History has a large and active research division. The Department of Environmental Research and Monitoring at the museum studies changes in the environment. We monitor the levels, trends and effects of contaminants in the environment, we follow the presence of pollen in the air, bird migration patterns and population dynamics and we follow population development and health status among seals, otter, harbour porpoise and white tailed eagle. We are also responsible for the collection, sampling/preparing and storage of biological materials for studies of environmental contaminants within the Swedish environmental monitoring programs. We are responsible for one of the world's oldest environmental specimen banks which houses samples from more than 350 000 specimens ranging from guillemot eggs and fish to tissue samples from seals, human milk, state game (including birds of prey, bear, wolves, otters and others species) most of it systematically collected since the 1960-1980s.

We are now seeking a Senior Curator with a strong background in statistical data processing within environmental research.

Tasks

You pursue your own research related to the environmental monitoring programs at the department. Your main task will be to develop and optimize the contaminant monitoring with the main focus on statistical analyses of environmental contaminant data in biological matrices. This includes, for example, temporal and spatial trends and simulation for optimising sampling strategies in our environmental monitoring programs. You will be the department's statistical expert and assist other researchers with advice and assistance. Additional tasks include supervising PhD students and visiting researchers, as well as other duties connected to work at the department.

Qualifications

Doctoral degree (PhD) in relevant area (biology, chemistry, ecotoxicology or statistics) with documented broad experience of statistical data processing in environmental contaminant research and / or environmental monitoring. You should be familiar with statistical methods such as temporal trend analysis and spatial statistics, multivariate and non-parametric methods, as well as modelling and simulation analysis and have a thorough knowledge of R. You have experience of reporting and publishing results from scientific studies and we would like you to have experience of supervising students, PhD students and post docs. It is meritorious if you have the experience to serve as a

resource person on statistics in a workgroup and has the habit of working together with other authorities and international organisations. You have a strong publication record and a documented skill in attracting external funding. You speak English and preferably Swedish or have a strong will to learn.

Applications should consist of a single pdf file that includes:

- Cover letter
- Curriculum vitae
- Publication list including all scientific papers with the five most important marked
- Summary of practical experience in environmental monitoring
- Summary of current research and research plan
- Contact details of at least two reference persons
- Any other qualifications or information the applicant considers relevant.

Terms of employment:

The position is a full-time permanent appointment with a six month probationary period. The Swedish Museum of Natural History can promote an employee to professor if she or he is found to have the required qualifications after an evaluation by external reviewers. The Swedish Museum of Natural History strives for gender balance, ethnic and cultural diversity among its staff.

For more information, please contact Olle Karlsson, Head of Department of Environmental Research and Monitoring (olle.karlsson@nrm.se). Union representatives are Sara Danielsson, SACO-S and Anna Sandberg, ST. All can be reached at phone +46 8-519 540 00

The complete application (in Swedish or English) must be submitted to rekrytering@nrm.se or to the Swedish Museum of Natural History, Box 50007, SE-104 05 Stockholm, Sweden no later than **January 15, 2019**. Mark your application with **dnr 2.3.1-640-2018**.