



Jobbnorge ID: 274748

Deadline: 3/1/2025

Website: <http://www.nmbu.no>

Scope: Fulltime

Duration: Fixed Term

Do you want to explore movements of large carnivores in Scandinavia?

Applied ecology PhD: Large carnivores in Scandinavia from individual movement to population dynamics

About the position

Faculty of Environmental Sciences and Natural Resource Management (MINA) at Norwegian University of Life Sciences (NMBU) is offering a 3-year PhD position in Applied Ecology. This PhD project focuses on understanding animal movement, which can be crucial for population dynamics.

The PhD candidate will use advanced statistical methods and multiple data sources, including genetic data and GPS tracking, to map and quantify the movements of large carnivores (wolves, wolverines and brown bears) in Scandinavia.

You will develop and apply integrated models combining spatial capture-recapture and GPS data, working with a diverse team of ecologists, statisticians, and computer scientists from institutions like NINA, INN, ENSAI, CNRS, and the University of California Berkeley. The project aims to expand analytical methods for modeling animal movement and validate these methods for other species.

This is an excellent opportunity to contribute to cutting-edge research and help answer fundamental questions in animal ecology. Note that applying for this PhD position also serves as an application for admission to the PhD program at NMBU. The PhD position is funded by NMBU.

Main tasks

The PhD student's tasks will include:

- Compilation and curation of available data received from different project partners
- Development, evaluation and application of large-scale integrated population models
- Statistical analyses, writing scientific papers and complete a PhD
- Collaboration with other team members and partners

The PhD student will be involved in study design and development of specific research questions. The successful candidate is expected to have a PhD education plan approved by MINA during the first months of the appointment and to complete a PhD within the PhD scholarship period.

Competence

The successful applicant must meet the conditions defined for admission to a PhD programme at NMBU. The applicant must have an academically relevant education corresponding to a five-year master's degree, with a learning outcome corresponding to the descriptions in the Norwegian Qualification Framework, second cycle. The applicant must have a documented strong academic background from previous studies and be able to document proficiency in both written and oral English. For more detailed information on the admission criteria please see the [PhD Regulations and the relevant PhD programme description](#).

The applicant must document expertise and interest in the research subject.

Required Academic qualifications

- Master's degree within a relevant scientific field, e.g. quantitative ecology, population dynamics, mathematics/statistics, data science, bioinformatics
- Demonstrated quantitative skills.

The following experiences and skills will be emphasized:

- Experience with developing and using Bayesian models
- Experience with hierarchical models in ecology
- Experience with spatial analysis in ecology
- Population dynamics modelling

Personal characteristics important for the positions are:

- Good social and collaboration skills
- Ability to work and co-operate in an interdisciplinary working environment

- Flexibility with respect to work tasks
- Creativity and ability to find solutions to practical problems
- Strong capabilities in English and, preferably, a Scandinavian language, both orally and written

We support equality and diversity in research. When recruiting new lab members, including PhD students, we welcome all candidates and value the benefits of a team composed of people with a broad range of abilities, experiences, and backgrounds. We expect all team members to contribute toward a work environment that fosters inclusion, accessibility, and ease of collaboration.

Remuneration and further information

The position is placed in government pay scale position code 1017 PhD. Fellow. PhD. Fellows are normally placed in pay grade 54 (NOK 532.200,-) on the Norwegian Government salary scale upon employment and follow ordinary meriting regulations.

Employment is conducted according to national guidelines for University and Technical College PhD scholars.

For further information, please contact Dr. Pierre Dupont (Researcher)

E-mail: pierre.dupont@nmbu.no

[Information for PhD applicants](#) and [Information to applicants](#)

Application

To apply online for this vacancy, please click on the 'Apply for this job' button above. This will route you to the University's Web Recruitment System, where you will need to register an account (if you have not already) and log in before completing the online application form.

Application deadline: March 1, 2025

Your CV must be entered in JobbNorge's CV form and not just included as an attachment. This is to be able to comply with the regulations of §15 of the Public Administration Act.

In the application, the candidate must confirm that information and documentation (in the form of attachments) submitted via the job application can also be used by NMBU in a possible admission process.

Applicants invited for an interview are expected to present original diplomas and certificates.

The following documents must be attached to the application:

- Motivation letter (maximum 1 page)
- Complete CV
- Certified copies of academic diplomas and certificates. (i.e. Diploma, transcript. Diploma supplement for both bachelor and master). Diplomas, transcripts and diploma supplements that are not in Norwegian or English must be uploaded in the original language. An English translation of these documents must also be attached.
- Applicants from universities outside Norway are kindly requested to send a diploma supplement, or a similar document, which describes in detail the study program and grading system.
- Documentation of proficiency in written and oral English in accordance with [NMBU PhD regulation section 5-2 \(3\)](#).
- Names and contact details for two references
- Additional relevant documentation of professional knowledge (for example, list of scientific works). If it is difficult to judge the applicant's contribution for publications with multiple authors, a short description of the applicant's contribution must be included.

About The Faculty of Environmental Sciences and Natural Resource Management

The Faculty of Environmental Sciences and Natural Resource Management (MINA) works with nature and the environment, sustainable use of natural resources, biological and geological processes.

MINA's employees undertake teaching, research and dissemination within the fields of geology, hydrology and limnology, soil science, environmental chemistry, forestry, ecology, natural resource management, renewable energy, and nature-based tourism.

Our vision is to be a key actor in knowledge production and dissemination, and our goal is to deliver research of high, international quality, and varied and excellent teaching. The faculty's employees are significant participants within their respective fields of expertise, both nationally and internationally. The faculty is dominated by a vital research culture and high levels of scientific production.

The faculty has about 200 employees, 90 PhD students and 650 students.

[Read more about MINA here.](#)

The Norwegian University of Life Sciences (NMBU)

NMBU will contribute to securing the future of life through outstanding research, education, communication and innovation. We have the country's most satisfied university students, who receive research-based education in a unique student environment. Our graduates gain a high level of competence in interdisciplinary collaboration and are popular in the labor market.

NMBU has internationally leading research environments in several subjects. Together with our partners in society and business, we contribute to solving some of the biggest societal challenges of our time. We focus on innovation, communication and entrepreneurship because we believe these challenges are best solved with joint efforts. We believe that a good working environment is characterized by diversity. If necessary, workplace adaptations will be made for persons with disabilities. More information about NMBU is available at www.nmbu.no/en

Additional information

Contact person:

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