NIBIO
NORSK INSTITUTT FOR BIOØKONOMI

Jobbnorge ID: 228789
Deadline: 9/25/2022
Website: http://www.nibio.no/
Scope: Fulltime
Duration: Permanent

Research scientist - forest monitoring using remote sensing

Key Information

The researcher will be working with analysis and modelling of forest attributes using data from various remote sensing platforms and sensor types. Initially, the researcher will mainly work together with other NIBIO researchers and international colleagues in the EU-funded project PathFinder, where one of the aims is to develop and demonstrate an integrated forest monitoring system for Europe, combining field data with remote sensing data.

The new employee will also contribute to the development and refinement of the national forest resources map SR16, as well as being a resource in other projects where skills with managing and analyzing remote sensing data is needed.

The office location will be at Ås, 30 km south of Oslo.

Main responsibilities

In collaboration with other researchers the researcher will work with:

- Development and application of models for various forest attributes, combining field data with remote sensing data
- Writing and publishing of scientific papers
- Leading or collaborate on grant applications for obtaining external research funding
- Communicate research-based knowledge to forest managers, forestry administrations and other stakeholders at national, regional and municipal levels

Professional qualifications (required)

- A PhD or equivalent in forestry, remote sensing, geomatics or a related field
- Experience with working with remotely sensed data
- Documented skills in modelling and statistical analysis
- Good command of oral and written English
- Candidates that do not master the Norwegian language have to learn written and spoken Norwegian within two years from the time of employment

Will be evaluated positively

- A good understanding of forests and forest management in Northern Europe or North America
- Experience with scripting in R or Python
- Experience with processing of large datasets
- Experience from working with different types of remotely sensed data
- Good knowledge of GIS tools
- Good communication skills
- Knowledge of Norwegian or another Scandinavian language (writing and oral)

Personal qualifications

- Good communication skills in English - oral and written
- Good analytical and problem-solving skills
- Ability to manage a high workload in busy periods
- Ability to cooperate with internal and external partners with different backgrounds and skill sets

Salary and benefits

- Opportunity to work on an important social mission with focus on sustainability and future-oriented projects.
- Challenging, exciting and varied tasks in interdisciplinary teams
- A flexible everyday life with the opportunity to influence one's own work tasks
- A skilled professional environment with good colleagues

- A generous personnel policy with welfare schemes that focus on employees' different stages of life.

The position is remunerated according to the Norwegian State Salary Scale as Researcher code 1109, salary grade 62 - 77 (NOK 573 900 - 765 600 per year), commensurate with qualifications and experience.

Membership in the Norwegian Public Service Pension Fund, which includes a good occupational pension scheme, occupational injury and group life insurance, and low-interest home loans.

Do you need more information?
Contact Senior researcher Johannes Breidenbach (+47 974 77 985) eller Head of Departement Aksel Granhus (+47 977 14 873) or see webpage nibio.no

How to apply for the position
Please send your application with CV electronically via the link on this page.
Take diplomas and letters of recommendation with you if invited to an interview, or submit them as an attachment along with the electronic application/CV.

Other information
We would like to point out that information about applicants may be subject to public disclosure, in accordance with the Freedom of Information Act (Offentlighetsloven), Section 25. An applicant can request to be exempted from inclusion on a public list of applicants. If the request for confidentiality is denied, the applicant will be notified thereof.

About diversity and inclusion - for applicants living in Norway:
In accordance with the Norwegian Civil Service equal opportunities policy, qualified candidates are encouraged to apply - regardless of age, gender, functional disabilities, gaps in CV or national or ethnic background. As a government agency, we have the opportunity to provide positive special treatment for applicants who have a disability, gaps in their CV or immigrant background. Positive special treatment means, among other things, that you will more easily come to the interview. Read more about this here (in norwegian).

About NIBIO and the Department

NIBIO's activities lie within agriculture, food, climate and the environment. The Institute conducts research and management support, and provides knowledge for use in national preparedness, governmental and district management, industry, and the society at large. NIBIO has approximately 700 employees present in all parts of the country. Its main office is located at Ås in Akershus. NIBIO is owned by the Ministry of Agriculture and Food.

The National Forest Inventory department is part of the NIBIO Division of Forestry and Forest Resources. The department is responsible for the National Forest Inventory, as well as the preparation of national forest statistics and forecasts for forest resources. Mapping and monitoring forest using various types of remote measurement data is a strategic focus area for the department.

Additional information

Place of service:
Ås 1430 Ås (Ås Municipality)