



NIBIO

NORSK INSTITUTT FOR
BIOØKONOMI

Jobbnorge ID: 252055

Deadline: 2/14/2024

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

Scope: Fulltime

Duration: Temporary

Postdoc - Traceability in the forest value chain

Key Information

The implementation of individual log traceability offers the opportunity to leverage information about wood quality in the initial stages of the timber production chain. This facilitates the strategic distribution of logs based on the intended end-product, ultimately enhancing overall value creation.

The position is a three year contract and the place of work is in ås, 30 km south of Oslo.

Main responsibilities

- Development of full traceability of single trees along the forest value chain based on log characteristics
- Prediction of internal wood quality in standing forest for an early evaluation of sawn timber quality
- Wood quality prediction at the time of harvest: To combine harvester data, remote and proximal sensing data with site condition information to predict wood quality measurement at the mill.
- To include log/timber quality prediction in a decision support tools for a more efficient utilization

Professional qualifications (required)

- Relevant PhD (e.g. forest sciences, forest management, wood technology, or a related field)
- Strong quantitative skills
- Experience with statistical analysis and programming, preferably in R and/or Python
- Experience with publishing high-quality scientific papers within the field of the position
- A strong command of oral and written English
- Knowledge of forestry in northern regions (e.g. Northern Europe, North America)

Will be evaluated positively

- Experience with traceability
- Experience with wood quality estimations, timber properties
- Experience with lidar data
- Experience working with large datasets
- Command of a Scandinavian language

Personal qualifications

- Good collaboration and communication skills
- Good analytical and problem-solving skills
- Ability to work under pressure
- Ability to collaborate with internal and external partners with diverse professional backgrounds

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 Postdoctor code 1352, salary grade 60 - 67 (NOK 584.500 - 657.300 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.

How to apply for the position

Please send your application with CV electronically via the link on this page.

Take originals of diplomas and letters of recommendation with you if invited to an interview, and submit a copy of them as an attachment along with the electronic application/CV.

We use Semac background checks on final candidates as part of our recruitment process.

Video: <https://youtu.be/6mZySoUgD2Q>

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 Viken. NIBIO is owned by the Ministry of Agriculture and Food.

[Department Forest Operations and Digitalization](#) performs industry-applicable R & D within boreal value chains from planting to delivery at mill gate. Our objective is to be the preferred partner for the national forest sector and for policy-oriented studies while also being competitive in the international research community.

Departement Forest Operations and Digitalization is one of eight departements in [Division of Forest and Forest Resources](#)

Additional information

Contact persons:

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Place of service:

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