National Forest Inventory



A systematic sample-based survey of the Norwegian forest, providing vital resource and environmental data for the whole country. It records information about growing stock and annual increment, and operating and environmental conditions.

The National Forest Inventory (NFI) started in 1919, triggered by concern and uncertainty about the conditions of the forests.

The scheme is based on a network of permanent sample plots, distributed in a grid across all of Norway – on both forested and unforested land. The plots are re-measured on a five-year rotation. On plots located on forest land or other land types with tree cover, all trees growing within a 250 m² plot are measured with their coordinates included, thus enabling time-series to be established at the tree level. In addition to stand volume, increment and tree species, a range of parameters are measured to provide information about e.g. site productivity, stand structure, forest health, forest

operation conditions, and biological diversity.

The data serves as an important basis for national forest policy development and are used by both Governmental bodies and other public administration, as well as by the forest industry, research and teaching purposes, and national and international reporting. Also, development and testing of remote sensing applications is an important field of research within the NFI. The content of the inventory is regularly updated to meet new demands from the society.

DETAILS

ORIGIN OF WOOD

--

TYPE OF WOOD

--

KIND OF WOOD CONCERNED

--

IMPACT ON ENVIRONMENT & BIODIVERSITY

--

INCOME EFFECT

--

EXPLOITATION POTENTIAL

--

HUB

Northern Hub

ECONOMIC IMPACT

--

SPECIFIC KNOWLEDGE NEEDED

--

MOBILIZATION POTENTIAL

--

SUSTAINABILITY POTENTIAL - VALUE

--

EASE OF IMPLEMENTATION

--

EASE OF IMPLEMENTATION - EVALUATION

--

KEY PREREQUISITES

--

TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

--

JOB EFFECT

--

COSTS OF IMPLEMENTATION (EURO - €)

--

MORE DETAILS

CHALLENGE ADDRESSED

3.- Activate private owners and cooperative forest management

DOMAIN

Inventory, monitoring

TYPE OF SOLUTION

Modelling, simulation, optimization

KEYWORDS

Forest inventory; resources; development

DIGITAL SOLUTION

No

INNOVATION

No

COUNTRY OF ORIGIN

Norway

SCALE OF APPLICATION

National

START AND END YEAR

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CONTACT DATA

OWNER OR AUTHOR

Norwegian Institute of Bioeconomy Research (Nibio)

Aksel Granhus

aksel.granhus@nibio.no

https://www.nibio.no/en/subjects/forest/national-forest-inventory

REPORTER

Tretorget Ltd

Ola Rostad

ola@tretorget.no

REFERENCES AND RESOURCES

MAIN WEBSITE

https://www.nibio.no/en/subjects/forest/national-forest-inventory

PROJECT WEBSITE

https://www.nibio.no/en/about-eng/our-divisions/division-of-forestry-and-forest-resources/national-forest-inventory

PROJECT REFERENCE

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RESOURCES

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

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