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.

DéTAILS

ORIGINE DU BOIS

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TYPE DE BOIS

--

TYPE DE BOIS CONCERNé

--

IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITé

--

EFFET SUR LE REVENU

--

POTENTIEL D'EXPLOITATION

--

HUB

Pôle Nord

IMPACT éCONOMIQUE

--

CONNAISSANCES SPéCIFIQUES REQUISES

--

POTENTIEL DE MOBILISATION

--

POTENTIEL DE DURABILITé - VALEUR

--

FACILITé D'IMPLéMENTATION

--

FACILITé D'IMPLéMENTATION - ÉVALUATION

--

PRéREQUIS CLéS

--

TYPE D'éVéNEMENT Où CETTE ICPE A éTé PRéSENTéE

--

EFFET SUR L'EMPLOI

--

COûTS D'IMPLéMENTATION (EURO - €)

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PLUS DE DéTAILS

DéFI CONCERNé

3. Dynamiser les propriétaires forestiers et la gestion forestière coopérative

DOMAINE

Inventaire, diagnostic, monitoring

TYPE DE SOLUTION

Modélisation, DSS, simulation, optimisation

MOTS-CLéS

Forest inventory; resources; development

SOLUTION DIGITALE

Non

INNOVATION

Non

PAYS D'ORIGINE

Norvège

ECHELLE D'APPLICATION

Nationale

DéBUT ET FIN D'ANNéE

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INFORMATIONS DE CONTACT

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

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REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

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

SITE WEB DU PROJET

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

RéFéRENCE DU PROJET

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RESSOURCES

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PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRééE

Rosewood 4.0

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