

## Smart Forest | Bringing industry 4.0 to the Norwegian forest sector



*We will work smarter, more efficiently and with more precision. We want to bringing Industry 4.0 to the Norwegian Forestry.*

We are foresters, scientists, remote sensing experts, programmers, mathematicians, data scientists, developers, and entrepreneurs. What combines us is forestry. We want to bringing Industry 4.0 to the Norwegian Forestry. SmartForest will position the Norwegian forest sector at the forefront of digitalization resulting in large efficiency gains in the forest sector, increased production, reduced environmental impacts, and significant climate benefits. SmartForest will result in a series of innovations and be the catalyst for an internationally competitive forest-tech sector in Norway. The fundamental components for achieving this are in place; a unified and committed forest sector, a leading R&D environment, and a series of progressive data and technology companies. The primary objective of SmartForest is to improve the efficiency of the Norwegian forest sector by enabling a digital revolution transforming forest information, silviculture, forest operations, wood supply and the overall digital information flow in the sector. The digital transformation will be enabled by a series of innovations that will form the foundation for the development for of a strong Forest-tech sector in Norway. Project Leader for SmartForest is NIBIO Norsk institutt for Bioøkonomi.

## DETAILS

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ORIGIN OF WOOD

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TYPE OF WOOD

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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

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TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

--

JOB EFFECT

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COSTS OF IMPLEMENTATION ( EURO - € )

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## MORE DETAILS

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### CHALLENGE ADDRESSED

5.- Enhance economic and environmental performance of forest supply chains

### DOMAIN

Forest management, ecosystem, resilience  
Research and development  
Innovation management, hubs, clusters

### TYPE OF SOLUTION

Networks, testbeds, R&D platforms

### KEYWORDS

work smarter  
efficiently  
precision

### DIGITAL SOLUTION

Yes

### INNOVATION

Yes

### COUNTRY OF ORIGIN

Norway

### SCALE OF APPLICATION

National

### START AND END YEAR

2020 - 2028

## CONTACT DATA

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### OWNER OR AUTHOR

#### NIBIO

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### REPORTER

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## REFERENCES AND RESOURCES

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### MAIN WEBSITE

<https://smartforest.no/>

### RESOURCES

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### PROJECT WEBSITE

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### PROJECT REFERENCE

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LOGO OF BEST PRACTICE

LOGO OF MAIN ORGANIZATION



PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

16 Dec 2021



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

