

# ForestMap | Calculate your forest inventory online



*ForestMap is an e-commerce platform that allows users to make reliable and on-line forest inventories of a specific area in a rapid and simple way. It estimates all relevant variables included in a professional forest inventory through combination of pre-processed remote sensing data and powerful predictive models.*

ForestMap intuitive interface allows anyone to automatically generate forest inventories of a chosen area without the need of field work and unnecessary delays. ForestMap is an unprecedented solution that delivers accurate, quick and cost-effective forest inventory reports. It is necessary to integrate a maximum of information sources to generate the most accurate, complete and updated inventories possible: LiDAR, satellite, photogrammetry, available terrain data... Stakeholders in the forestry sector are not used to working with technological tools, so it is important to do important demonstration work and support.

ForestMap has a positive impact for a major mobilisation of wood resources allowing forest-owners, operators and industries to assess stands in an easy and remote way. ForestMap is able to provide valuable reports on demand. An operative version of the web platform ([link](#)) is working for 10 provinces in Spain, that covers more than 3 M ha. ForestMap models showed a high performance in terms of accuracy (volume BIAS< 20%) and response times being able to produce a full inventory of less than 500ha in minutes.

ForestMap has been used to produce tailor-made products for specific uses and clients, based on innovation projects:

- Tool for calculating ([link](#))the amount of carbon in forest masses in the province of Bizkaia (Basque Country, Spain).
- Inventory mapping of fuel models tool and for the prevention and management of forest fires in La Rioja

## DETAILS

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### ORIGIN OF WOOD

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### TYPE OF WOOD

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### KIND OF WOOD CONCERNED

All kind of wood

### IMPACT ON ENVIRONMENT & BIODIVERSITY

Positive

### INCOME EFFECT

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### EXPLOITATION POTENTIAL

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### HUB

South-West Hub

### ECONOMIC IMPACT

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### SPECIFIC KNOWLEDGE NEEDED

Very high skills and knowledge in remote sensing, forestry and software development

### MOBILIZATION POTENTIAL

Unknown

### SUSTAINABILITY POTENTIAL - VALUE

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### EASE OF IMPLEMENTATION

Easy, basic digital skills

### EASE OF IMPLEMENTATION - EVALUATION

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### KEY PREREQUISITES

To know its existence

### TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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### 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

### KEYWORDS

Forest inventory; resources; development

### COUNTRY OF ORIGIN

Spain

### DOMAIN

Forest management, ecosystem, resilience

### DIGITAL SOLUTION

Yes

### SCALE OF APPLICATION

National

### TYPE OF SOLUTION

Advice and services for forest owners

### INNOVATION

Yes

### START AND END YEAR

2018 -

## CONTACT DATA

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### OWNER OR AUTHOR

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<https://agresta.org/>

### REPORTER

## REFERENCES AND RESOURCES

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### MAIN WEBSITE

<https://forestmap.eu>

### PROJECT WEBSITE

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### PROJECT REFERENCE

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### RESOURCES

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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

27 Nov 2019



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

