# SiGCa: Forest management systems in quality timber producing forests

1. Forest modeling and management diagrams 2. Development of tools to improve the quality of wood 2.1. Use of acoustic techniques for the valorization of wood 2.2. Establishment of quality standards 3. Update of volume equations (model trees) by laser 4. Incorporation of aerial laser in the valuation of forest use 5. Improvement and standardization of the techniques of signaling and characterization of the uses In progress (Expected results) The general objectives of this project are: - To analyze the factors that determine the quality of standing timber. -To obtain practical management standards that allow forest managers to manage their forest based on forest quality. - To create standardization tools validated by the industry in terms of performance and final product quality.

## DETAILS

ORIGIN OF WOOD

Forest

TYPE OF WOOD

Stemwood

KIND OF WOOD CONCERNED

Quality wood

IMPACT ON ENVIRONMENT & BIODIVERSITY

Positive

INCOME EFFECT

Expected low

EXPLOITATION POTENTIAL

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HUB

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ECONOMIC IMPACT

Expected medium

SPECIFIC KNOWLEDGE NEEDED

Forest management

MOBILIZATION POTENTIAL

-

SUSTAINABILITY POTENTIAL - VALUE

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EASE OF IMPLEMENTATION

Difficult

EASE OF IMPLEMENTATION - EVALUATION

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KEY PREREQUISITES

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TYPE OF EVENT WHERE THIS BPI HAS BEEN FEATURED

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JOB EFFECT

Expected low

COSTS OF IMPLEMENTATION ( EURO - € )

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## MORE DETAILS

CHALLENGE ADDRESSED

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DOMAIN

Forest management, ecosystem, resilience

TYPE OF SOLUTION

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KEYWORDS

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DIGITAL SOLUTION

No

INNOVATION

No

COUNTRY OF ORIGIN

Spain

SCALE OF APPLICATION

Regional/sub-national

START AND END YEAR

2019 - 2021

## CONTACT DATA

OWNER OR AUTHOR

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REPORTER

## REFERENCES AND RESOURCES

MAIN WEBSITE

https://www.sigcamaderadecalidad.info/

RESOURCES

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PROJECT WEBSITE

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PROJECT REFERENCE

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## PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood

## POST DATE

12 Sep 2019

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## A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY