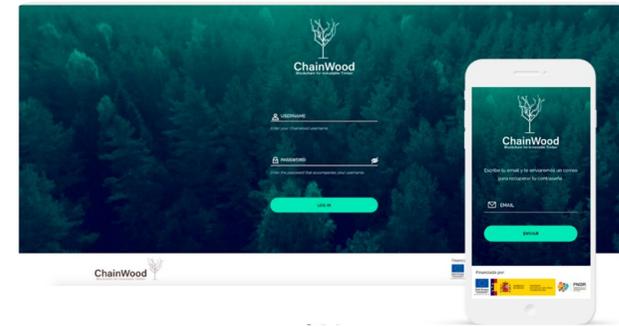


# ChainWood | Blockchain for immutable timber



*ChainWood operational group combines capabilities of the timber and forestry sector with companies and technology centers for the development of software based on blockchain and IoT technology that will contribute to improve traceability, competitiveness and efficiency in the sector.*

The objective of the ChainWood project is to design and develop a secure software infrastructure based on blockchain and Internet of Things technologies, adjusted to all wood supply chains, allowing the different actors to make the most of their data and manage the product in a more efficient way in terms of cost, traceability and sustainability. The main solutions to problems detected are: transaction assurance, Real-time trusted information, Semi-automation of the operation, Accessible quality data, Improved competition.

## Recommendations:

- For producers: Real-time information on the volume and status of the product.
- For the processing industry: Access to a huge source of raw material data that will allow them to optimize their supply processes and streamline the management of their operations.
- For operating companies: Transparency and assurance in transactions, making the most of today's technology.
- For control authorities: Cost reduction in auditing and control processes, as well as a more precise knowledge of supply chains.
- For logistics companies: Information that will enable them to optimize their fleet and provide services more efficiently.
- For public administrations: Easier access to timber data, allowing a more agile and efficient management of the processes they supervise.

## DETAILS

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### ORIGIN OF WOOD

Forest

### TYPE OF WOOD

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### KIND OF WOOD CONCERNED

Timber, roundwood

### IMPACT ON ENVIRONMENT & BIODIVERSITY

The impact is high in a positive way because smarter solutions can be performed with the best impact in the environment and subsequently for biodiversity

### INCOME EFFECT

Positive

### EXPLOITATION POTENTIAL

High

### HUB

South-West Hub

### ECONOMIC IMPACT

### MOBILIZATION POTENTIAL

Very high, as this tool provides the necessary information in a secure way to improve and increase the mobilization of wood

### SUSTAINABILITY POTENTIAL - VALUE

Very Positive

### EASE OF IMPLEMENTATION

Very easy, and person with basic knowledge in modern technology devices can use ChainWood

### EASE OF IMPLEMENTATION - EVALUATION

Easy

### KEY PREREQUISITES

Digitalization

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

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### JOB EFFECT

Good

### COSTS OF IMPLEMENTATION ( EURO - € )

The planning of a company or forest owner will be more accurate, therefore, --  
this will turn into better economic results

#### **SPECIFIC KNOWLEDGE NEEDED**

IT knowledge

## MORE DETAILS

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### CHALLENGE ADDRESSED

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

### KEYWORDS

blockchain; Internet of Things

### COUNTRY OF ORIGIN

Spain

### DOMAIN

Inventory, monitoring  
Products, markets, trade

### DIGITAL SOLUTION

Yes

### SCALE OF APPLICATION

National

### TYPE OF SOLUTION

Traceability tools

### INNOVATION

Yes

### START AND END YEAR

2018 - 2020

## CONTACT DATA

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### OWNER OR AUTHOR

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## REFERENCES AND RESOURCES

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### MAIN WEBSITE

<https://www.chainwood.eu/>

### PROJECT WEBSITE

<https://www.fmc-galicia.com/>

### PROJECT REFERENCE

FEADER

### 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

12 Jul 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

