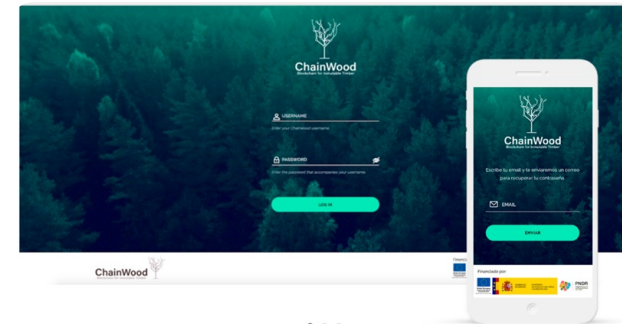


# ChainWood | Blockchain for immutable timber



*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.

## DETALHES

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### ORIGEM DA MADEIRA

Floresta

### TIPO DE MADEIRA

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### TIPO DE MADEIRA EM CAUSA

Timber, roundwood

### IMPACTE NO AMBIENTE E BIODIVERSIDADE

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

### IMPACTE NAS RECEITAS

Positive

### POTENCIAL DE EXPLORAÇÃO

High

### HUB

Pólo Sudoeste

### IMPACTE ECONOMICO

### POTENCIAL DE MOBILIZAÇÃO

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

### SUSTENTABILIDADE POTENCIAL - VALOR

Muito positivo

### FACILIDADE DE IMPLEMENTAÇÃO

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

### FACILIDADE DE IMPLEMENTAÇÃO

Fácil

### PRE-REQUISITOS CHAVE

Digitalization

### TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO

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### IMPACTE NO EMPREGO

Good

### CUSTOS DE IMPLEMENTAÇÃO (EURO - EUR)

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

#### CONHECIMENTOS ESPECIFICOS NECESSÁRIOS

IT knowledge

## MAIS DETALHES

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### DESAFIO ABORDADO

5. Melhorar o desempenho económico e ambiental das cadeias de abastecimento florestal

### PALAVRAS-CHAVE

blockchain; Internet of Things

### PAÍS DE ORIGEM

Espanha

### DOMÍNIO

Inventário, avaliação e monitorização  
Produtos, mercados e comércio

### SOLUÇÃO DIGITAL

Sim

### ESCALA DE APLICAÇÃO

Nacional

### TIPO DE SOLUÇÃO

Ferramentas de rastreio

### INOVAÇÃO

Sim

### ANO DE INÍCIO E FIM

2018 - 2020

## DADOS DE CONTACTO

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### PROPRIETÁRIO OU AUTOR

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### REPÓRTER

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## REFERENCES AND RESOURCES

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### WEBSITE PRINCIPAL

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

### WEBSITE DO PROJETO

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

### REFERÊNCIA AO PROJETO

FEADER

### RECURSOS

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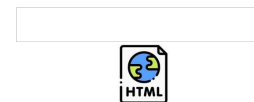


PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood 4.0

DATA DE ENTRADA

12 Jul 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

