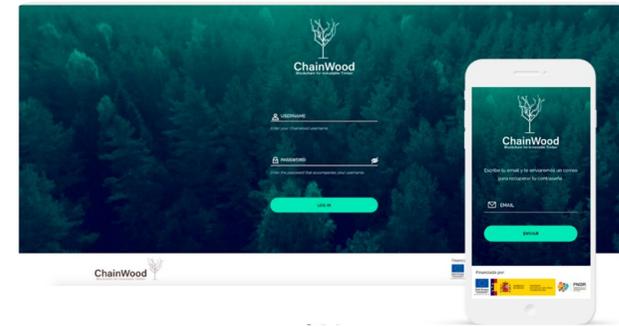


# ChainWood | Blockchain for immutable timber



*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.

## DETALLES

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### ORIGEN DE LA MADERA

Bosque

### TIPO DE MADERA

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### TIPO DE MADERA AFECTADA

Timber, roundwood

### IMPACTO EN EL MEDIO AMBIENTE Y LA BIODIVERSIDAD

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

### EFECTO SOBRE LOS INGRESOS

Positive

### POTENCIAL DE EXPLOTACIÓN

High

### HUB

Centro del Suroeste

### IMPACTO ECONÓMICO

### POTENCIAL DE MOVILIZACIÓN

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

### POTENCIAL DE SOSTENIBILIDAD - VALOR

Muy positivo

### FACILIDAD DE APLICACIÓN

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

### FACILIDAD DE IMPLEMENTACIÓN - EVALUACIÓN

Fácil

### PREREQUISITOS CLAVE

Digitalization

### TIPO DE EVENTO EN EL QUE SE HA PRESENTADO ESTA IFS

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### EFECTO SOBRE EL EMPLEO

Good

### COSTES DE IMPLEMENTACIÓN (EURO - €)

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

#### CONOCIMIENTOS ESPECÍFICOS NECESARIOS

IT knowledge

## MÁS DETALLES

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### RETO ABORDADO

5. Mejorar el rendimiento económico y medioambiental de las cadenas de suministro forestal

### PALABRAS CLAVE

blockchain; Internet of Things

### PAÍS DE ORIGEN

España

### DOMINIO

Inventario, evaluación, seguimiento  
Productos, mercados, comercio

### SOLUCIÓN DIGITAL

Sí

### ESCALA DE APLICACIÓN

Nacional

### TIPO DE SOLUCIÓN

Herramientas de trazabilidad

### INNOVACIÓN

Si

### AÑO DE INICIO Y FIN

2018 - 2020

## DATOS DE CONTACTO

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### PROPIETARIO O AUTOR

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## REFERENCES AND RESOURCES

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### SITIO WEB PRINCIPAL

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

### SITIO WEB DEL PROYECTO

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

### REFERENCIA DEL PROYECTO

FEADER

### RECURSOS

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LOGO DE LA BUENA PRÁCTICA

LOGOTIPO DE LA ORGANIZACIÓN PRINCIPAL

**ChainWood**  
Blockchain for Inmutable Timber



PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

12 Jul 2021



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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

