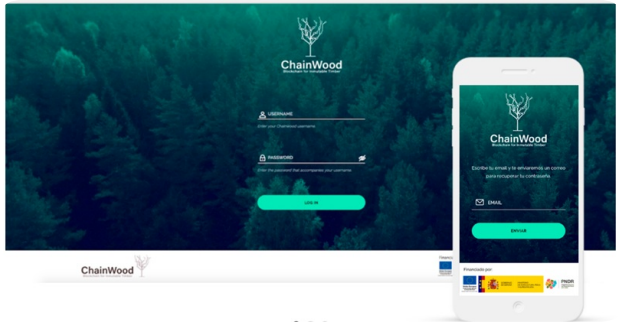
ChainWood | Blockchain for inmutable timber



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

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 tools 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 knoledge 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

RETO ABORDADO

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

DOMINIO

Inventario, evaluación, seguimiento

Productos, mercados, comercio

TIPO DE SOLUCIóN

Herramientas de trazabilidad

PALABRAS CLAVE

blockchain; Internet of Things

SOLUCIóN DIGITAL

Sí

INNOVACIóN

Si

PAíS DE ORIGEN

España

ESCALA DE APLICACIóN

Nacional

AñO DE INICIO Y FIN

2018 - 2020

DATOS DE CONTACTO

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REFERENCES AND RESOURCES

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

ChainWood
Blockchain for Inmutable Timber

LOGOTIPO DE LA ORGANIZACIóN PRINCIPAL

PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

12 Jul 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor
Centro de Servicios y Promoción Forestal y de su Industria de Castilla y León