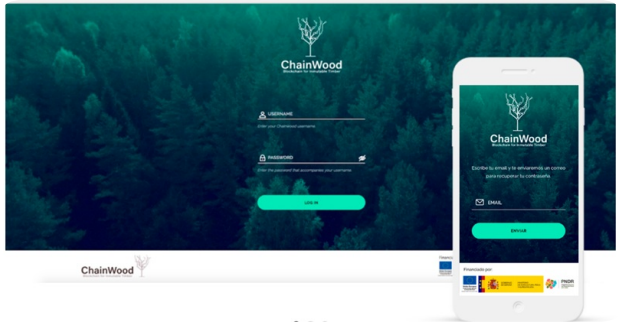
ChainWood | Blockchain for inmutable timber



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.

DETALII

SURSA DE LEMN

Pădure

TIPUL DE LEMN

--

TIPUL DE LEMN îN CAUZă

Timber, roundwood

IMPACTUL ASUPRA MEDIULUI șI BIODIVERSITățII

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

EFECT ASUPRA VENITURILOR

Positive

POTENțIAL DE EXPLOATARE

High

HUB

Hub Sud-Vest

IMPACT ECONOMIC

POTENțIALUL DE MOBILIZARE

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

POTENțIAL DE SUSTENABILITATE - VALOARE

Foarte pozitiv

FACILITATEA DE IMPLEMENTARE

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

FACILITATEA DE IMPLEMENTARE - EVALUARE

Ușor

CONDIțII CHEIE PREALABILE

Digitalization

TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB

--

EFECT ASUPRA LOCURILOR DE MUNCă

Good

COSTURI PENTRU IMPLEMENTARE (EURO - €)

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

CUNOȘTINȚE SPECIFICE NECESARE

IT knowledge

MAI MULTE DETALII

PROVOCARE ABORDATă

5. Îmbunătățirea performanțelor economice și de mediu ale lanțurilor de aprovizionare cu păduri

DOMAIN

Inventariere, evaluare, monitorizare

Produse, piețe, comerț

TIP DE SOLUȚIE

Instrumente de trasabilitate

CUVINTE CHEIE

blockchain; Internet of Things

SOLUȚIE DIGITALă

Da

INOVAȚIE

Da

ȚARA DE ORIGINE

Spania

SCARA DE APLICARE

Național

ANUL DE îNCEPUT șI DE SFâRșIT

2018 - 2020

DATE DE CONTACT

PROPRIETAR SAU AUTOR

FMC Forestal

Jesús Martínez

jesus.martinez@fmc-galicia.com

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

REPORTER

Cesefor Foundation

Ángela García

angela.garcia@cesefor.com

REFERENCES AND RESOURCES

PAGINă WEB

https://www.chainwood.eu/

RESURSE

--

WEBSITE PROJECT

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

REFERINță PROIECT

FEADER

ChainWood
Blockchain for Inmutable Timber

PROIECTUL îN CADRUL CăRUIA A FOST CREATă ACEASTă FIșă INFORMATIVă

Rosewood 4.0

DATA POSTăRII

12 Iul 2021

ROSEWOOD 4.0 Sustainable Wood for Europe

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

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