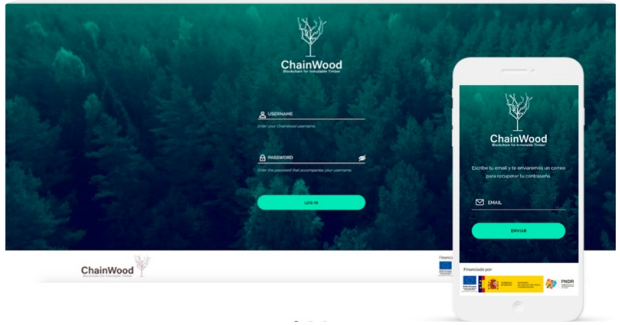
ChainWood | Blockchain for inmutable timber



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.

DETTAGLI

ORIGINE DEL LEGNO
foresta

TIPO DI LEGNO
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TIPO DI LEGNO IN QUESTIONE
Timber, roundwood

IMPATTO SULL'AMBIENTE E LA BIODIVERSITà
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

EFFETTO SUL REDDITO
Positive

POTENZIALE DI SFRUTTAMENTO
High

HUB
Hub sud-ovest

IMPATTO ECONOMICO

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

POTENZIALE SOSTENIBILITà - VALORE
Molto positivo

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

FACILITà DI IMPLEMENTAZIONE - VALUTAZIONE
Facile

PREREQUISITI CHIAVE
Digitalization

TIPO DI EVENTO IN CUI QUESTO BPI è STATO PRESENTATO
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EFFETTO SUL LAVORO
Good

I COSTI DI ATTUAZIONE (EURO - €)

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

CONOSCENZE SPECIFICHE NECESSARIE

IT knowledge

Più DETTAGLI

SFIDA RISOLTA

5. Migliorare le prestazioni economiche e ambientali delle filiere forestali

DOMINIO

Inventario, la valutazione, il monitoraggio

Prodotti, mercati, il commercio

TIPO DI SOLUZIONE

strumenti di tracciabilità

PAROLE CHIAVE

blockchain; Internet of Things

SOLUZIONE DIGITALE

Sì

INNOVAZIONE

Sì

PAESE D'ORIGINE

Spagna

SCALA DI APPLICAZIONE

Nazionale

INIZIO E FINE ANNO

2018 - 2020

CONTATTI

PROPRIETARIO O AUTORE

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

SITO PRINCIPALE

https://www.chainwood.eu/

SITO WEB DEL PROGETTO

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

PROGETTO DI RIFERIMENTO

FEADER

RISORSE

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LOGO DELLE MIGLIORI PRATICHE

ChainWood
Blockchain for Inmutable Timber

LOGO DELLA PRINCIPALE ORGANIZZAZIONE

PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood 4.0

DATA DI INSERIMENTO

12 Lug 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

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

EFI