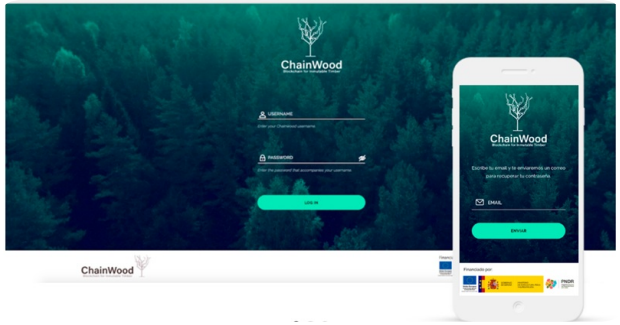
ChainWood | Blockchain for inmutable timber



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.

PODROBNOSTI

PôVOD DREVA
Les

DRUH DREVA
--

UVAžOVANý DRUH DREVA
Timber, roundwood

VPLYV NA ŽIVOTNé PROSTREDIE A BIODIVERZITU
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

DOPAD NA PRíJMY
Positive

POTENCIáL VYUžITIA
High

ROZBOčOVAč
Juhozápadné centrum

EKONOMICKý VPLYV

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

POTENCIáL UDRžATEľNOSTI - HODNOTA
Veľmi pozitívne

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

UľAHčENIE IMPLMENTáCIE - HODNOTENIE
Easy

KľúčOVé PREPOKLADY
Digitalization

TYP PODUJATIA, NA KTOROM BOL TENTO BPI PREZENTOVANý
--

DOPAD NA ZAMESTNANOSť
Good

NáKLADY NA IMPLEMENTáCIU (EURO - €)

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

POTREBA šPECIFICKýCH ZNALOSTí

IT knowledge

VIAC INFORMáCIí

RIEšENá VýZVA

5. Zlepšenie hospodárskej a environmentálnej výkonnosti dodávateľských reťazcov v lesníctve

DOMAIN

Inventarizácia, posudzovanie, monitoring/monitorovanie

Produkty, trhy, obchod

TYP RIEšENIA

Nástroje na vysledovateľnosť

KľúčOVé SLOVá

blockchain; Internet of Things

DIGITALNE RIEšENIE

áno

INOVáCIE

Áno

KRAJINA PôVODU

Španielsko

ROZSAH APLIKáCIE

Národný

ZAČIATOK A KONIEC ROKA

2018 - 2020

KONTAKTNé úDAJE

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REFERENCES AND RESOURCES

HLAVNá WEBSTRáNKA

https://www.chainwood.eu/

PROJEKTOVá WEBSTRáNKA

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

REFERENCIA PROJEKTU

FEADER

ZDROJE

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LOGO NAJLPEŠEJ PRAXE

LOGO HLAVNEJ ORGANIZáCIE

ChainWood
Blockchain for Inmutable Timber

PROJEKT, V RáMCI KTORéHO BOL TENTO INFORMAčNý PREHľAD VYTVORENý

Rosewood 4.0

DáTUM ODOSLANIA

12 júl 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

EFI