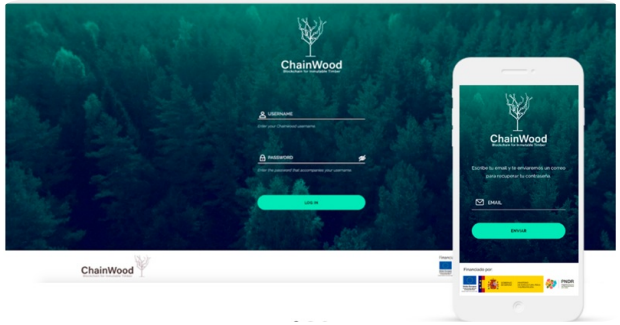
ChainWood | Blockchain for inmutable timber



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.

DETALJER

OPPRINNELSE FOR TRE
Skog

TYPE TRE
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TYPE TRE INVOLVERT
Timber, roundwood

PåVIRKNING På MILJø OG BIOLOGISK MANGFOLD
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

INNTEKTSEFFEKT
Positive

UTNYTTELSESPOTENSIAL
High

HUB
South-West Hub

ØKONOMISK PåVIRKNING

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

BæREKRAFTPOTENSIAL - VERDI
Veldig positivt

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

ENKEL IMPLEMENTERING - EVALUERING
Lett

VIKTIGE FORUTSETNINGER
Digitalization

TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT
--

EFFEKT På ARBEIDSPLASSER
Good

KOSTNADER MED IMPLEMENTERING (EURO - €)

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

SPESIFIKKE KUNNSKAPSBEHOV

IT knowledge

MER INFORMASJON

UTFORDRING ADRESSERT

5. Forbedre den økonomiske og miljømessige ytelsen i skogbrukets forsynings kjede

DOMENE

Inventering, vurdering, overvåking

Produkter, marked, handel

TYPE LøSNING

Verktøy for sporing

NøKKELORD

blockchain; Internet of Things

DIGITAL LøSNING

Ja

INNOVASJON

Ja

OPPRINELSESLAND

Spania

POTENSIALE

Nasjonal

START OG SLUTT åR

2018 - 2020

KONTAKT INFORMASJON

EIER ELLER FORFATTER

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RAPPORTøR

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REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

https://www.chainwood.eu/

PROSJEKTETS HJEMMESIDE

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

REFERANSE TIL PROSJEKT

FEADER

RESSURSER

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LOGO FOR BESTE PRAKSIS

LOGO FOR HOVEDORGANISASJON

ChainWood
Blockchain for Inmutable Timber

PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood 4.0

INNLEGGSDATO

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