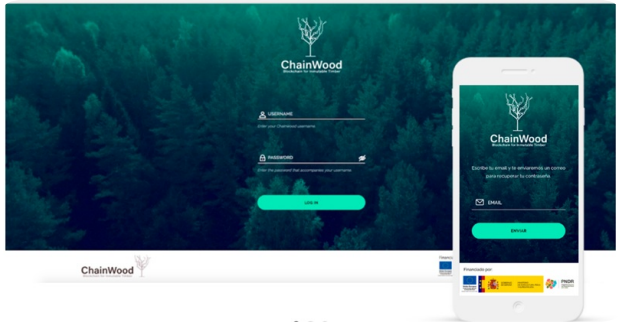
ChainWood | Blockchain for inmutable timber



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

IZVOR LESA
Gozd

TIP LESA
--

VRSTA OBRAVNAVANEGA LESA
Timber, roundwood

VPLIV NA OKOLJE IN BIODIVERZITETO
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

VPLIV NA PRIHODKE
Positive

POTENCIAL IZKORIŠČANJA
High

VOZLIŠČE
Jugozahodno vozlišče

GOSPODARSKI VPLIV

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

TRAJNOST - VREDNOST
Zelo pozitivno

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

ENOSTAVNOST IZVEDBE - OCENJEVANJE
Enostavno

KLJUČNI PREDPOGOJI
Digitalization

VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI
--

VPLIV NA DELOVNA MESTA
Good

STROŠKI IZVEDBE (EURO - €)

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

POTREBNO SPECIFIČNO ZNANJE

IT knowledge

VEČ PODROBNOSTI

IZZIV

5. Izboljšanje gospodarske in ekološke učinkovitosti gozdne oskrbovalne verige

DOMENA

Inventura, ocena, monitoring

Izdelki, trg, prodaja

TIP REŠITVE

Sledljivost

KLJUČNE BESEDE

blockchain; Internet of Things

DIGITALNE REŠITVE

Da

INOVACIJA

Da

IZVORNA DRŽAVA

Španija

OBSEG UPORABE

Nacionalni

ZAČETNO IN KONČNO LETO

2018 - 2020

KONTAKTN PODATKI

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REFERENCES AND RESOURCES

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SPLETNA STRAN PROJEKTA

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

REFERENCA PROJEKTA

FEADER

VIRI

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LOGOTIP DOBRE PRAKSE

LOGOTIP GLAVNE ORGANIZACIJE

ChainWood
Blockchain for Inmutable Timber

PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood 4.0

DATUM OBJAVE

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