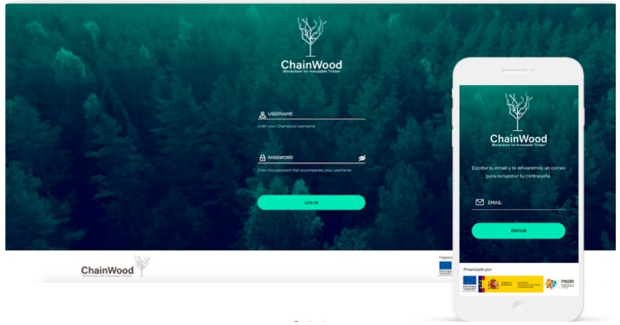
ChainWood | Blockchain for inmutable timber



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.

DETALHES

ORIGEM DA MADEIRA
Floresta

TIPO DE MADEIRA
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TIPO DE MADEIRA EM CAUSA
Timber, roundwood

IMPACTE NO AMBIENTE E BIODIVERSIDADE
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

IMPACTE NAS RECEITAS
Positive

POTENCIAL DE EXPLORAçãO
High

HUB
Pólo Sudoeste

IMPACTE ECONOMICO

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

SUSTENTABILIDADE POTENCIAL - VALOR
Muito positivo

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

FACILIDADE DE IMPLEMENTAçãO
Fácil

PRE-REQUISITOS CHAVE
Digitalization

TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO
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IMPACTE NO EMPREGO
Good

CUSTOS DE IMPLEMENTAçãO (EURO - EUR)

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

CONHECIMENTOS ESPECIFICOS NECESSáRIOS

IT knowledge

MAIS DETALHES

DESAFIO ABORDADO

5. Melhorar o desempenho económico e ambiental das cadeias de abastecimento florestal

DOMíNIO

Inventário, avaliação e monitorização

Produtos, mercados e comércio

TIPO DE SOLUçãO

Ferramentas de rastreio

PALAVRAS-CHAVE

blockchain; Internet of Things

SOLUçãO DIGITAL

Sim

INOVAçãO

Sim

PAíS DE ORIGEM

Espanha

ESCALA DE APLICAçãO

Nacional

ANO DE INíCIO E FIM

2018 - 2020

DADOS DE CONTACTO

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REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

https://www.chainwood.eu/

WEBSITE DO PROJETO

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

REFERêNCIA AO PROJETO

FEADER

RECURSOS

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LOGOTIPO DA BOA PRáTICA

ChainWood
Blockchain for Inmutable Timber

LOGOTIPO DA ORGANIZAçãO PRINCIPAL

PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

Rosewood 4.0

DATA DE ENTRADA

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

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