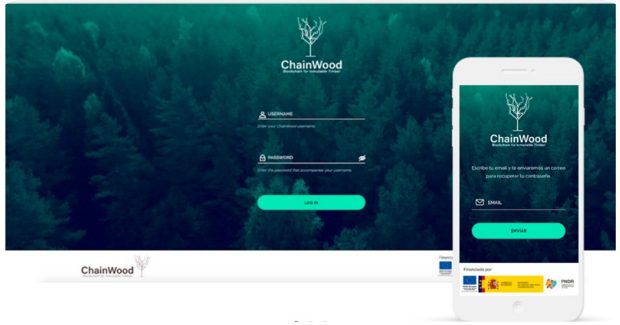
ChainWood | Blockchain for inmutable timber



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.

DéTAILS

ORIGINE DU BOIS
Forêt

TYPE DE BOIS
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TYPE DE BOIS CONCERNé
Timber, roundwood

IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITé
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

EFFET SUR LE REVENU
Positive

POTENTIEL D'EXPLOITATION
High

HUB
Pôle Sud-Ouest

IMPACT éCONOMIQUE

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

POTENTIEL DE DURABILITé - VALEUR
Très positif

FACILITé D'IMPLéMENTATION
Very easy, and person with basic knoledge in modern technology devices can use ChainWood

FACILITé D'IMPLéMENTATION - ÉVALUATION
Facile

PRéREQUIS CLéS
Digitalization

TYPE D'éVéNEMENT Où CETTE ICPE A éTé PRéSENTéE
--

EFFET SUR L'EMPLOI
Good

COûTS D'IMPLéMENTATION (EURO - €)

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

CONNAISSANCES SPéCIFIQUES REQUISES

IT knowledge

PLUS DE DéTAILS

DéFI CONCERNé

5. Accroître les performances économiques et environnementales de la chaîne logistique forestière

DOMAINE

Inventaire, diagnostic, monitoring
Produits, marchés, commerce

TYPE DE SOLUTION

Outils de traçabilité

MOTS-CLéS

blockchain; Internet of Things

SOLUTION DIGITALE

Oui

INNOVATION

Oui

PAYS D'ORIGINE

Espagne

ECHELLE D'APPLICATION

Nationale

DéBUT ET FIN D'ANNéE

2018 - 2020

INFORMATIONS DE CONTACT

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REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

https://www.chainwood.eu/

SITE WEB DU PROJET

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

RéFéRENCE DU PROJET

FEADER

RESSOURCES

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LOGO DE LA BONNE PRATIQUE

ChainWood
Blockchain for Inmutable Timber

LOGO DE L'ORGANISATION PRINCIPALE

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRééE

Rosewood 4.0

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

cesefor
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