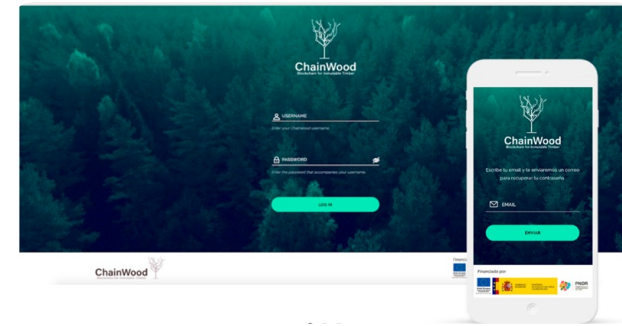


ChainWood | Blockchain for immutable timber



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

--

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 tool 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 knowledge 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	DOMAINE	TYPE DE SOLUTION
5. Accroître les performances économiques et environnementales de la chaîne logistique forestière	Inventaire, diagnostic, monitoring Produits, marchés, commerce	Outils de traçabilité
MOTS-CLÉS	SOLUTION DIGITALE	INNOVATION
blockchain; Internet of Things	Oui	Oui
PAYS D'ORIGINE	ECHELLE D'APPLICATION	DÉBUT ET FIN D'ANNÉE
Espagne	Nationale	2018 - 2020

INFORMATIONS DE CONTACT

PROPRIÉTAIRE OU AUTEUR

FMC Forestal

Jesús Martínez

jesus.martinez@fmc-galicia.com

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

RAPPORTEUR

Cesefor Foundation

Ángela García

angela.garcia@cesefor.com

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

<https://www.chainwood.eu/>

SITE WEB DU PROJET

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

RÉFÉRENCE DU PROJET

FEADER

RESSOURCES

--

ChainWood

Blockchain for Inmutable Timber

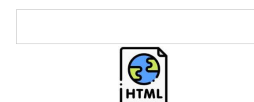


PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A été CRÉÉE

Rosewood 4.0

DATE DE PUBLICATION

12 juil 2021



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

