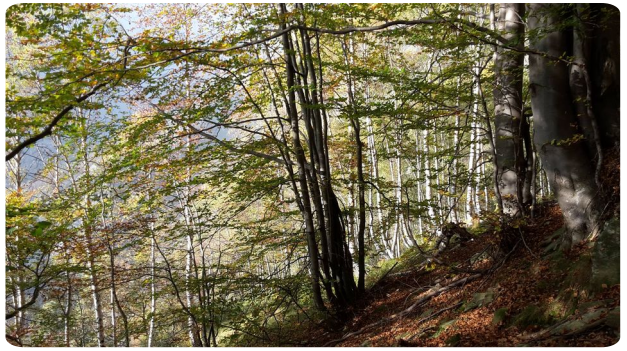
Woodchain | Blockchain applied to PEFC Chain of Custody



The project aims at testing the application of Blockchain technology in the frame of a PEFC certified supply chain. The solution can be applied both as part of the obligations of Due Diligence and in the PEFC Chain of Custody management.

The efficiency, security and inviolability of the blockchain system support forest certification and the forest-wood supply chain with a view to "ensuring certainty and informing according to truth". The Woodchain project involves, together with PEFC Italy and PEFC France, various Turin and Val di Susa realities: Replant Srl, Foodchain spa, La Foresta, Alta Val Susa forest consortium, F. Roche sas, Silva cooperative company and Kaboom Srl.
The purpose of the study is to test the application of blockchain technology as an innovative IT (information technology) solution for forestry and wood applications. This technology allows you to create and manage a large distributed database for managing transactions shared between multiple nodes on a network. The nodes represent the users or entities participating in the network, which contribute to the constitution of the actual blocks, each containing multiple transactions, connected together in the network, which allow decentralization and participation in the management of information and data.
Specifically, the project's objective is to strengthen trust and traceability along value chains, create an efficient and accessible sustainable forest management certification, and encourage the evolution of certification, data collection and impact measurement processes.

PLUS DE DéTAILS

DéFI CONCERNé

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

DOMAINE

Inventaire, diagnostic, monitoring
Récolte, infrastructure, logistique
Gestion de l'innovation, hubs digitaux, clusters, exploitation (transversale)

TYPE DE SOLUTION

Outils de traçabilité

MOTS-CLéS

Traceability tool

SOLUTION DIGITALE

Oui

INNOVATION

Oui

PAYS D'ORIGINE

Italie

ECHELLE D'APPLICATION

Transfrontalière/Multilatérale

DéBUT ET FIN D'ANNéE

--

INFORMATIONS DE CONTACT

PROPRIéTAIRE OU AUTEUR

Replant srl
Andrea Crocetta
andrea.crocetta@replant.it

RAPPORTEUR

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

https://www.blockchain4innovation.it/esperti/blockchain-perche-e-cosi-importante/

SITE WEB DU PROJET

https://www.facebook.com/WoodChain-396712064458641

RéFéRENCE DU PROJET

--

RESSOURCES

--

LOGO DE LA BONNE PRATIQUE



LOGO DE L'ORGANISATION PRINCIPALE



PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRééE

Rosewood 4.0

DATE DE PUBLICATION

13 aoû 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

