

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.

PIÙ DETTAGLI

SFIDA RISOLTA	DOMINIO	TIPO DI SOLUZIONE
5. Migliorare le prestazioni economiche e ambientali delle filiere forestali	Inventario, la valutazione, il monitoraggio La raccolta, le infrastrutture, la logistica gestione dell'innovazione, mozzi digitali, cluster, sfruttamento (trasversale)	strumenti di tracciabilità
PAROLE CHIAVE	SOLUZIONE DIGITALE	INNOVAZIONE
Traceability tool	Sì	Sì
PAESE D'ORIGINE	SCALA DI APPLICAZIONE	INIZIO E FINE ANNO
Italia	Transfrontaliera / multilaterale	--

CONTATTI

PROPRIETARIO O AUTORE	REPORTER
Replant srl Andrea Crocetta andrea.crocetta@replant.it	

REFERENCES AND RESOURCES

SITO PRINCIPALE	RISORSE
https://www.blockchain4innovation.it/esperti/blockchain-perche-e-così-importante/	--
SITO WEB DEL PROGETTO	
https://www.facebook.com/WoodChain-396712064458641	

PROGETTO DI RIFERIMENTO

--

LOGO DELLE MIGLIORI
PRACTICHE



LOGO DELLA PRINCIPALE
ORGANIZZAZIONE

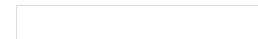


PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood 4.0

DATA DI INSERIMENTO

13 Ago 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



□