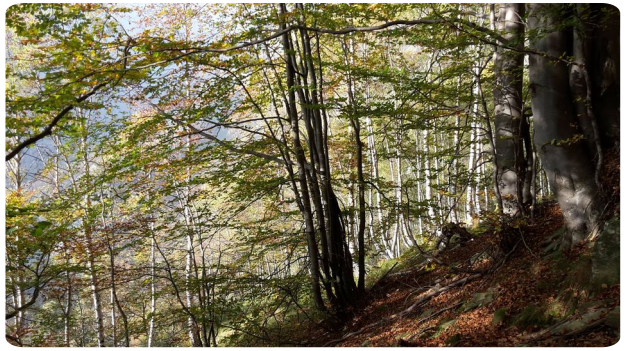
Woodchain | Blockchain applied to PEFC Chain of Custody



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.

MORE DETAILS

CHALLENGE ADDRESSED

5.- Enhance economic and environmental performance of forest supply chains

DOMAIN

Inventory, monitoring

Harvesting, infrastructure, logistics

Innovation management, hubs, clusters

TYPE OF SOLUTION

Traceability tools

KEYWORDS

Traceability tool

DIGITAL SOLUTION

Yes

INNOVATION

Yes

COUNTRY OF ORIGIN

Italy

SCALE OF APPLICATION

Cross-border/multi-lateral (several countries)

START AND END YEAR

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CONTACT DATA

OWNER OR AUTHOR

Replant srl

Andrea Crocetta

andrea.crocetta@replant.it

REPORTER

REFERENCES AND RESOURCES

MAIN WEBSITE

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

RESOURCES

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PROJECT WEBSITE

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

PROJECT REFERENCE

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LOGO OF BEST PRACTICE



LOGO OF MAIN ORGANIZATION



PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

POST DATE

13 Aug 2021





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