

## 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.

## MAI MULTE DETALII

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### PROVOCARE ABORDATĂ

5. Îmbunătățirea performanțelor economice și de mediu ale lanțurilor de aprovizionare cu păduri

### DOMAIN

Inventariere, evaluare, monitorizare  
Recoltare, infrastructură, logistică  
Managementul inovației, hub-uri digitale, clustere, exploatare (transversală)

### TIP DE SOLUȚIE

Instrumente de trasabilitate

### CUVINTE CHEIE

Traceability tool

### ȚARA DE ORIGINE

Italia

### SOLUȚIE DIGITALĂ

Da

### SCARA DE APLICARE

Transfrontalier / multi-lateral

### INOVAȚIE

Da

### ANUL DE ÎNCEPUT ȘI DE SFÂRȘIT

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## DATE DE CONTACT

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### PROPRIETAR SAU AUTOR

**Replant srl**

Andrea Crocetta

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### REPORTER

## REFERENCES AND RESOURCES

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### PAGINĂ WEB

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

### RESURSE

### WEBSITE PROJECT

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

### REFERINȚĂ PROIECT

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PROIECTUL ÎN CADRUL CĂRUI A FOST CREATĂ ACEASTĂ FIȘĂ INFORMATIVĂ

Rosewood 4.0

DATA POSTĂRII

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

