

## 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.

## MÁS DETALLES

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### RETO ABORDADO

5. Mejorar el rendimiento económico y medioambiental de las cadenas de suministro forestal

### DOMINIO

Inventario, evaluación, seguimiento  
Aprovechamiento, infraestructura, logística  
Gestión de la innovación, hubs digitales, clusters, explotación (transversal)

### TIPO DE SOLUCIÓN

Herramientas de trazabilidad

### PALABRAS CLAVE

Traceability tool

### SOLUCIÓN DIGITAL

Sí

### INNOVACIÓN

Si

### PAÍS DE ORIGEN

Italia

### ESCALA DE APLICACIÓN

Transfronterizo/multilateral

### AÑO DE INICIO Y FIN

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## DATOS DE CONTACTO

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### PROPIETARIO O AUTOR

Replant srl

Andrea Crocetta

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### REPORTADOR

## REFERENCES AND RESOURCES

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### SITIO WEB PRINCIPAL

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

### RECURSOS

### SITIO WEB DEL PROYECTO

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

### REFERENCIA DEL PROYECTO

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LOGO DE LA BUENA PRÁCTICA



LOGOTIPO DE LA ORGANIZACIÓN PRINCIPAL



PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

Rosewood 4.0

FECHA DE MENSAJE

13 Ago 2021



Link to Rosewood 4.0



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

