



CHAINWOOD

Development and implementation plan for a distributed software system for the forest industry supply chain

Beneficiary members

- Sistemas de Desarrollo Integral del Territorio S.L.
- Fundación Corporación Tecnológica de Andalucía
- Federación de Asociaciones Forestales de Castilla y León (FAFCYLE)
- Emergya Ingeniería S.L.
- Fundación Centro tecnológico Forestal y de la Madera (CETEMAS)
- Maderas Siero S.A.
- Accuro Technology S.L.
- Cluster da Madeira e o Deseño de Galicia

Subcontracted members

- Indra Sistemas S.A.
- Risutec Ltd.
- Asociación para la Certificación Española Forestal (PEFC España)

Collaborating members

- Greenalia Forest S.L.
- Financiera Maderera S.A.
- ENCE S.A.
- Garnica S.A.

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CALL 2018

THEMATIC AREA: Forestry / **SUBSECTOR:** Wood

AUTONOMOUS COMMUNITIES EXECUTION: Andalusia, Castile and Leon, Community of Madrid, Galicia, Principality of Asturias

GRANT AWARDED: € 539.000,00

PROJECT OPERATING PERIOD: July 2018-July 2020

MORE INFORMATION:

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Summary

CHAINWOOD promotes the development of a system that makes it possible, with guarantees of security and confidentiality, to manage and follow the flow of wood from its points of production to its delivery to the wood industry for universal public use.

PROJECT OBJECTIVES

Design and develop a modular software system, based on the blockchain group of technologies, to facilitate traceability and timber transactions between different actors.

Define an operational and governance model for the system that encourages its use by the various stakeholders, based on guarantees of security in data management, efficiency in operation and scalability in application.

Gradual implementation of the system in the different supply chains in Spain, starting with Galicia, Asturias, and Castile and Leon.

OBTAINED RESULTS

Improve transactions, quality, and timber management by creating a blockchain-based software system accessible to all stakeholders in the chain.

Design and develop the governance protocol and operation of the system, definition of the different roles of the stakeholders involved, data management, maintenance, and improvement of the system.

Carry out three supply chain pilots in the participating members' regions (Galicia, Asturias, and Castile and Leon).

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