Development of a prototype crosslaminated timber panel made from local timber to improve the construction of buildings in terms of sustainability (Grup Boix)

The project assessed the technical and economic feasibility of manufacturing cross-laminated timber (CLT) panels in Catalonia using local timber. A prototype was created, evaluating wood processing, product quality, and market potential. Results indicated strong material performance but challenges in cost and availability of raw materials. Further research is suggested to enhance processing yields and competitiveness. Overall, CLT production in Catalonia is technologically feasible, with potential for growth in demand.

For more information see FOREST4EU factsheet (click on)

MORE DETAILS

CHALLENGE ADDRESSED

6.- Grow the forest-based bioeconomy through circular use and value-added products

DOMAIN

Wood construction industry

Innovation management, hubs, clusters

TYPE OF SOLUTION

--

KEYWORDS

Cross-Laminated Timber (CLT)

Feasibility

Local Timber and Manufacturing Processes.

DIGITAL SOLUTION

--

INNOVATION

No

COUNTRY OF ORIGIN

Spain

SCALE OF APPLICATION

--

START AND END YEAR

--

CONTACT DATA

OWNER OR AUTHOR

Operational group (Development of a prototype crosslaminated timber panel made from local timber to improve the construction of buildings in terms of sustainability)

REPORTER

Aitor Colell

REFERENCES AND RESOURCES

MAIN WEBSITE

https://www.arescat.cat/es/2018/11/23/arescat-participa-en-lo-proyecto-desarrollo-de-un-panel-prototipo-de-madera-laminada-cruzada-con-madera-local-para-mejorar-la-construccion-de-edificios-en-temas-de-sostenibilidad/

PROJECT WEBSITE

https://www.forest4eu.eu/

RESOURCES

--

PROJECT REFERENCE

--

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

FOREST4EU

POST DATE

24 Oct 2024

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