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)

1

MORE DETAILS

CHALLENGE ADDRESSED

6.- Grow the forest-based bioeconomy through

circular use and value-added products

KEYWORDS

Cross-Laminated Timber (CLT)

Feasibility

Local Timber and Manufacturing Processes.

COUNTRY OF ORIGIN

Spain

DOMAIN

Wood construction industry

Innovation management, hubs, clusters

DIGITAL SOLUTION

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INNOVATION

TYPE OF SOLUTION

No

SCALE OF APPLICATION

START AND END YEAR

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CONTACT DATA

OWNER OR AUTHOR

REPORTER

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

sustainability)

REFERENCES
AND RESOURCES

MAIN WEBSITE

RESOURCES

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/

PROJECT REFERENCE

PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

FOREST4EU

POST DATE

24 Oct 2024





Link to Rosewood 4.0



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