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)

PLUS DE DéTAILS

DéFI CONCERNé

6. Faire grandir la bioéconomie basée sur la forêt à travers les circuits courts et les produits à valeur ajoutée

DOMAINE

Industrie du bois de construction

Gestion de l'innovation, hubs digitaux, clusters, exploitation (transversale)

TYPE DE SOLUTION

--

MOTS-CLéS

Cross-Laminated Timber (CLT)

Feasibility

Local Timber and Manufacturing Processes.

SOLUTION DIGITALE

--

INNOVATION

Non

PAYS D'ORIGINE

Espagne

ECHELLE D'APPLICATION

--

DéBUT ET FIN D'ANNéE

--

INFORMATIONS DE CONTACT

PROPRIéTAIRE OU AUTEUR

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

RAPPORTEUR

Aitor Colell

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

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/

SITE WEB DU PROJET

RESSOURCES

--

https://www.forest4eu.eu/

RéFéRENCE DU PROJET

--

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRééE

FOREST4EU

DATE DE PUBLICATION

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