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)

MáS DETALLES

RETO ABORDADO

6. Hacer crecer la bioeconomía forestal mediante el uso circular y los productos de valor añadido

DOMINIO

Industria de la construcción con madera

Gestión de la innovación, hubs digitales, clusters, explotación (transversal)

TIPO DE SOLUCIóN

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PALABRAS CLAVE

Cross-Laminated Timber (CLT)

Feasibility

Local Timber and Manufacturing Processes.

SOLUCIóN DIGITAL

--

INNOVACIóN

No

PAíS DE ORIGEN

España

ESCALA DE APLICACIóN

--

AñO DE INICIO Y FIN

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DATOS DE CONTACTO

PROPIETARIO O AUTOR

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

REPORTADOR

Aitor Colell

REFERENCES AND RESOURCES

SITIO 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/

SITIO WEB DEL PROYECTO

RECURSOS

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https://www.forest4eu.eu/

REFERENCIA DEL PROYECTO

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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA

FOREST4EU

FECHA DE MENSAJE

24 Oct 2024

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