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)

MAIS DETALHES

DESAFIO ABORDADO

6. Fomentar a bioeconomia baseada na floresta através do uso circular e de produtos de valor acrescentado

DOMíNIO

Industria da madeira para construção

Inovações na gestão , pólos digitais, agrupamentos, exploração (transversal)

TIPO DE SOLUçãO

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PALAVRAS-CHAVE

Cross-Laminated Timber (CLT)

Feasibility

Local Timber and Manufacturing Processes.

SOLUçãO DIGITAL

--

INOVAçãO

Não

PAíS DE ORIGEM

Espanha

ESCALA DE APLICAçãO

--

ANO DE INíCIO E FIM

--

DADOS DE CONTACTO

PROPRIETáRIO OU AUTOR

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

REPóRTER

Aitor Colell

REFERENCES AND RESOURCES

WEBSITE 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/

WEBSITE DO PROJETO

RECURSOS

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https://www.forest4eu.eu/

REFERêNCIA AO PROJETO

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PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

FOREST4EU

DATA DE ENTRADA

24 Out 2024

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