

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	DOMÍNIO	TIPO DE SOLUÇÃO
6. Fomentar a bioeconomia baseada na floresta através do uso circular e de produtos de valor acrescentado	Industria da madeira para construção Inovações na gestão , pólos digitais, agrupamentos, exploração (transversal)	--
PALAVRAS-CHAVE	SOLUÇÃO DIGITAL	INOVAÇÃO
Cross-Laminated Timber (CLT) Feasibility Local Timber and Manufacturing Processes.	--	Não
PAÍS DE ORIGEM	ESCALA DE APLICAÇÃO	ANO DE INÍCIO E FIM
Espanha	--	--

DADOS DE CONTACTO

PROPRIETÁRIO OU AUTOR	REPÓRTER
Operational group (Development of a prototype crosslaminated timber panel made from local timber to improve the construction of buildings in terms of sustainability)	Aitor Colell

REFERENCES AND RESOURCES

WEBSITE PRINCIPAL	RECURSOS
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	

<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
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