

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)

MORE DETAILS

CHALLENGE ADDRESSED	DOMAIN	TYPE OF SOLUTION
6.- Grow the forest-based bioeconomy through circular use and value-added products	Wood construction industry Innovation management, hubs, clusters	--
KEYWORDS	DIGITAL SOLUTION	INNOVATION
Cross-Laminated Timber (CLT) Feasibility Local Timber and Manufacturing Processes.	--	No
COUNTRY OF ORIGIN	SCALE OF APPLICATION	START AND END YEAR
Spain	--	--

CONTACT DATA

OWNER OR AUTHOR	REPORTER
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

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

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED
FOREST4EU

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24 Oct 2024



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