

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](#))

PIÙ DETTAGLI

SFIDA RISOLTA	DOMINIO	TIPO DI SOLUZIONE
6. Far crescere bioeconomia foresta a base attraverso l'uso circolare e prodotti a valore aggiunto	industria delle costruzioni in legno	--
	gestione dell'innovazione, mozzi digitali, cluster, sfruttamento (trasversale)	
PAROLE CHIAVE	SOLUZIONE DIGITALE	INNOVAZIONE
Cross-Laminated Timber (CLT)	--	No
Feasibility		
Local Timber and Manufacturing Processes.		
PAESE D'ORIGINE	SCALA DI APPLICAZIONE	INIZIO E FINE ANNO
Spagna	--	--

CONTATTI

PROPRIETARIO O AUTORE	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

SITO PRINCIPALE	RISORSE
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/	--
SITO WEB DEL PROGETTO	

<https://www.forest4eu.eu/>
PROGETTO DI RIFERIMENTO

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PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA È STATA CREATA
FOREST4EU

DATA DI INSERIMENTO
24 Ott 2024



Link to Rosewood 4.0



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

