

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	DOMINIO	TIPO DE SOLUCIÓN
6. Hacer crecer la bioeconomía forestal mediante el uso circular y los productos de valor añadido	Industria de la construcción con madera Gestión de la innovación, hubs digitales, clusters, explotación (transversal)	--
PALABRAS CLAVE	SOLUCIÓN DIGITAL	INNOVACIÓN
Cross-Laminated Timber (CLT) Feasibility Local Timber and Manufacturing Processes.	--	No
PAÍS DE ORIGEN	ESCALA DE APLICACIÓN	AÑO DE INICIO Y FIN
España	--	--

DATOS DE CONTACTO

PROPIETARIO O AUTOR	REPORTADOR
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

SITIO WEB 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/	--
SITIO WEB DEL PROYECTO	

<https://www.forest4eu.eu/>

REFERENCIA DEL PROYECTO

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PROYECTO BAJO EL QUE SE HA CREADO ESTA FICHA
FOREST4EU

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