

## 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

---

<b>SFIDA RISOLTA</b>	<b>DOMINIO</b>	<b>TIPO DI SOLUZIONE</b>
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)	
<b>PAROLE CHIAVE</b>	<b>SOLUZIONE DIGITALE</b>	<b>INNOVAZIONE</b>
Cross-Laminated Timber (CLT)	--	No
Feasibility		
Local Timber and Manufacturing Processes.		
<b>PAESE D'ORIGINE</b>	<b>SCALA DI APPLICAZIONE</b>	<b>INIZIO E FINE ANNO</b>
Spagna	--	--

## CONTATTI

---

<b>PROPRIETARIO O AUTORE</b>	<b>REPORTER</b>
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

---

<b>SITO PRINCIPALE</b>	<b>RISORSE</b>
<a href="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/">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/</a>	--
<b>SITO WEB DEL PROGETTO</b>	

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

--

---

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

DATA DI INSERIMENTO  
24 Ott 2024

---



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

