

## 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

---

<b>DESAFIO ABORDADO</b>	<b>DOMÍNIO</b>	<b>TIPO DE SOLUÇÃO</b>
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)	--
<b>PALAVRAS-CHAVE</b>	<b>SOLUÇÃO DIGITAL</b>	<b>INOVAÇÃO</b>
Cross-Laminated Timber (CLT) Feasibility Local Timber and Manufacturing Processes.	--	Não
<b>PAÍS DE ORIGEM</b>	<b>ESCALA DE APLICAÇÃO</b>	<b>ANO DE INÍCIO E FIM</b>
Espanha	--	--

## DADOS DE CONTACTO

---

<b>PROPRIETÁRIO OU AUTOR</b>	<b>REPÓRTER</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>WEBSITE PRINCIPAL</b>	<b>RECURSOS</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>WEBSITE DO PROJETO</b>	

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

REFERÊNCIA AO PROJETO

--

---

PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA  
FOREST4EU

DATA DE ENTRADA  
24 Out 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

