



## Cross-Laminated Timber: Status and Research Needs in Europe

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### Summary:

In the 20 years since its invention in Europe, cross-laminated timber (CLT) has become a widely used construction material in parts of the old continent and has started to attract global attention. CLT possesses numerous advantages as a construction material, including its superior structural and environmental performance, as well as the speed and efficiency with which CLT buildings can be erected. In this study, European engineers were surveyed to learn about their current level of awareness of CLT, the major barriers to CLT adoption, and about the most pressing research needs to advance the use of CLT as a construction material. The study used a web-based survey with a convenience sample of 93 different kinds of timber and civil engineers and/or researchers, most of which belong to a European CLT research network. Results showed that participants think that, in general, the level of awareness about CLT among developers, construction managers, engineers, architects, and construction managers, is low. The majority of perceived barriers for CLT adoption involved its building code compatibility and the availability of technical information. The most pressing research needs for CLT development, according to respondents, are in the areas of structural performance and connections, moisture performance, and market research.

Online Access: Free

### Resource Link

[https://ojs.cnr.ncsu.edu/index.php/BioRes/article/view/BioRes\\_11\\_1\\_281\\_Espinoza\\_Cross\\_Laminated\\_Timber\\_Europe](https://ojs.cnr.ncsu.edu/index.php/BioRes/article/view/BioRes_11_1_281_Espinoza_Cross_Laminated_Timber_Europe) ↗