## **Continuing Education Course Booming Bamboo**

# Booming Bamboo: The (Re)discovery of a Sustainable Material with Endless Possibilities

Based on Dr. Pablo van de Lugt book, MOSO® Canada offers this continuing education (CEU) course about engineered bamboo as a realistic sustainable solution for architects, landscape architects, and designers for their continued professional development, obtaining a credit for AIA, AIBC, and LACES.



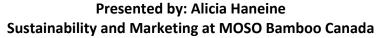
















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#### Introduction

Architects play a crucial role in designing residential and commercial structures, as well as community spaces and transportation infrastructures. They are at the forefront of incorporating sustainable practices and renewable materials into their designs, contributing to the circular economy and the overall well-being of people and the planet. One such innovative approach is the utilization of bio-based materials like bamboo, which helps address the growing demand for resources and reduces reliance on fossil-based and nonrenewable building materials.

#### **Purpose**

By the end of this course, we aim to inspire architects to consider bamboo as a valuable and sustainable building material. Raising the awareness about bamboo's ecological impact, its potential for carbon sequestration, and the immense solution possibilities.

Ultimately, architects hold the key to shaping a greener and more resilient built environment, ensuring a better future for generations to come.

### **Objectives:**

- ⇒ Circular economy principle and how bio-based materials have the best ecological impact
- ⇒ Giant bamboo fast-growing resource, harvesting, and manufacturing processes of to create outstanding resilient materials
- ⇒ CO2 emissions of each manufacturing steps during the manufacturing and additional footprint accounting
- ⇒ Carbon footprint of bamboo vs other commonly used building materials
- ⇒ Carbon sequestration by reforesting with bamboo and by using bamboo products that contribute ecosystem restoration
- ⇒ Bamboo awareness, global distribution challenges
- ⇒ Endless material applications

