

# Environmental Life Cycle Assessment of the Consequences of Increased Wood Penetration in the Construction Sector



LIRIDE

## Research team

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## Context

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In keeping with the Quebec government's strategy, which allows for increased use of wood in the construction sector, the wood charter is recognized as a government commitment. It aims to support the forest industry of Quebec. With this increase in the use of wood, the supply of construction materials will undergo changes and environmental consequences will follow. The environmental assessment of policies is important to know the consequences of our decisions and to go beyond our preconceived notions. Currently, Life Cycle Assessment (LCA) approaches are deficient in this regard.



## Goal

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The main objective of the research is to develop a consequential life cycle assessment. It consists of evaluating the environmental consequences of changes caused by an increase in the application of wood in the construction sector. The aim is to develop a model that combines existing methods for modeling flows at the market scale with those for assessing environmental impacts.

