Motivation

Forest industry supply chains are complex networks, consisting of autonomous units that interact with each other. While the body of research on these networks grows constantly, a common representation and understanding of their components is missing.

A modeling framework is a non-software specific collection of concepts and definitions, along with the relationships among them, that describes the objectives, inputs, outputs, content, assumptions and simplifications of the model.

Objectives

Develop a framework for unified representation of products, processes and stakeholders within the forest products value chain, and their links at each decision making level (operational, tactical, strategic). The framework will discuss material, financial, and information flows as well as market representation. Finally, it will involve key performance indicators.

Current Status: Preliminary Framework

Based on phase 1 results, the lumber products value chain was analyzed according to the supply chain planning and scheduling cube, presented by Santa-Eulalia, D’Amours, & Frayret (2012)\(^1\)


Next Steps

Validating the data collected during the survey using face-to-face interviews and statistical tools; Adapting the framework based on this validation; Developing a typology for the forest products industry.

Collaboration

FPInnovations, academic and industry partners.