

Value chain modelling and optimisation in the forest sector

Keynote speaker: Sophie D'Amours

This tutorial will address the challenges of modelling and optimizing complex value chains systems in the forest sector. At the root of these systems, a chain of interdependent stakeholders collaborating and synchronizing their planning and operations to deliver social, environmental and economic values to customers, shareholders and the society as a whole. The complexity of the value chains in the forest sector resides in conciliating time and space scales within the hierarchical planning framework as well as grasping the value of efficient collaboration between forest owners, industry and customers and the combinatorial effects of divergent manufacturing processes. Emerging paradigms to support long term forest planning will be discussed as well as hi-tech decision theaters to support collaborative decision makings process with multiple criteria, multiple stakeholders and complex system to analysis.