

# CONFÉRENCE PETIT-DÉJEUNER

**Vendredi 22 novembre 2019, 14 h 00**  
**Pavillon Adrien-Pouliot, Local 3370**



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## **DECISION SUPPORT SYSTEMS IN SWEDISH FOREST INDUSTRY**

This seminar describes three decision support systems used and tested in Swedish forest industry. *Woodflow* is an advanced decision support system for planning and analysis of wood procurement. It consists of an optimization model, modeling languages, optimization solvers, automatic distance calculation and a graphical interface to use for easy analysis and visualization of results. *Timbertrail* is an application designed to propose forwarder base roads that facilitates pre-planning, field work, felling work and reducing ground damage. *Opium* is a web application in order to demonstrate which system for decomposition and transportation of forest fuel that is the most cost effective depending on the logging site, receiver/heating plant, assortment and terminal options. Creative Optimization Sweden AB is a company with expertise knowledge in optimization and implementation of decision support tools for better planning in the forestry supply chain. It develops optimization solutions for tactical and operational planning of wood flows, transports, road investments, harvesting and more. The overall aim is to support companies to increase revenue and reduce costs and environmental impact.

