

# Séminaire conjoint FORAC et CIRRELT

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## « Forest Planning in Portuguese Pulp and Paper Companies »

### ABSTRACT

The forest sector is considered strategic for the Portuguese economy, as the forest areas occupy 1/3 of the national territory. The forest-based industries are directly responsible for 14% of the GNP, 12% of national exportations and 9% of the industrial employment. The eucalyptus-based pulp and paper industry is the main economical sub-sector, followed by lumber and cork transformation industries. The pulp and paper industries integrate all the supply chain activities from forestry production in self-owned forestlands to pulp and paper distribution and sales. Their requirements on integrated supply chain planning foster the development of innovative models and IT systems. These often led to new company processes, triggering procedural changes on their related supply chain agents (forest managers, forest service providers, hauliers, wood suppliers). The enterprise systems architecture (ESA) has been applied in Portugal for specifying Forest planning decision support systems based on the company processes and information modeling in the course of workshops with the end-users. New forest strategic planning models, solution techniques and decision support systems have result from this methodology approach, alongside with process modeling. This presentation will discuss the strategic and tactical forest management systems developed for the major Portuguese Pulp and Paper Company. Emphasis is on the planning problems addressed and the ESA methodology applied. Examples systems deployment and usage by the end-users will also be provided.

**Le mardi 11 mai 2010**

**13h30**

**local 1324**

**Pavillon G.-H.-Kruger  
Université Laval**

**Bienvenue à toutes et à tous !**

*Professeur hôte: Luc Lebel*

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