



UNIVERSITÉ DE MONCTON
EDMUNDSTON MONCTON SHIPPAGAN

Chaire de recherche K.-C.-Irving en sciences
de l'environnement et développement durable

Postdoctoral project: Modeling regeneration patterns in the Acadian Forest Region of North America

The K.-C.-Irving Chair in Environmental Sciences and Sustainable Development at Université de Moncton and the Northern Hardwood Research Institute Inc. (New Brunswick, Canada) are seeking a postdoctoral researcher to fill a position starting in Fall 2019.

The project aims at developing modeling tools to predict regeneration patterns of commercial hardwood species in the Acadian Forest Region of North America. The project will produce deliverables targeted for the scientific community, forest companies and governmental agencies about the predicted impacts of environmental and silvicultural factors on regeneration of commercial hardwood species. These deliverables will contain specific recommendations that forest companies and governmental agencies can use to sustainably conduct their silvicultural activities in hardwood and mixed-wood stands.

Supervision : Marie-Andrée Giroux (Université de Moncton) and Gaétan Pelletier (Northern Hardwood Research Institute Inc., Edmundston)

Collaborators: Chris Hennigar (ERD-NB), Nelson Thiffault and Mathieu Fortin (Canadian Wood Fibre Centre, Canadian Forest Service)

Fellowship : 45 000\$

Duration : 1 year

Required qualifications :

- PhD in forestry, biology, environment, mathematics, statistics or related discipline (if the PhD is in mathematics or statistics, experience in the following disciplines is required: forestry, biology or environmental sciences). **PhD must have been granted no more than five years prior to the project's start date.**
- Publications in peer-reviewed scientific journals
- Strong skills in: analyses (mathematical and/or statistical modelling), scientific communication (written and oral), collaborative work
- Autonomy

Language: English (required), French (preferred)

Closing date: Open until filled

Application: CV (including a list of publications in peer-reviewed scientific journals), letter of motivation, names and contact information of 3 referents