POSTDOCTORAL FELLOW POSITION
IMPACT OF GLOBAL CHANGE ON DECIDUOUS FORESTS

Project description: Maple stands in northeastern America present early signs of invasion by American beech. The predicted increase in the frequency and severity of drought with climate change could exacerbate beech invasion and potentially lead to ecosystem collapse, i.e. the transformation of productive maple stands into shrub-like ecosystems. This ecosystem collapse could lead to the loss of ecosystem services such as timber and maple syrup production and carbon sequestration. The objective of the project is to understand the effects of beech invasion on the availability of resources (nutrients, water) and seedling growth under a changing climate.

Start date: winter 2021

Salary: 40 000$ per year. Funding is also available for conferences and training activities.

Duration: 1 year, with possibility of renewal for another year.

Location: Institut des sciences de la forêt tempérée (ISFORT), Ripon, Québec, Canada. The research institute is affiliated with the Université du Québec en Outaouais (UQO). The project involves fieldwork at the Kenauk forest, located near the research institute.

Supervision: David Rivest, professor at UQO in soil ecology

Cosupervision: Audrey Maheu, professor at UQO in ecohydrology
Philippe Nolet, professor at UQO in forest ecology and sylviculture

Qualifications:

- PhD completed in soil sciences, forest sciences, plant biology or related field in environmental sciences
- Experience in field data collect. Experience in soil or hydrological data collection is an asset.
- Experience in statistical analysis and scientific publication
- Ability for team work

Candidate interested in the position should submit their application (motivation letter, CV, name of two references) by November 20, 2020 to david.rivest@uqo.ca and audrey.maheu@uqo.ca