M. Sc. Project – Impacts of silvicultural treatments involving assisted tree migration on vertebrate and invertebrate communities

Supervisor: Marc J. Mazerolle, Université Laval

Project description:
We are seeking a motivated individual to conduct an M. Sc. or Ph. D. in forest sciences at Université Laval on the influence of silvicultural treatments on insect-vertebrate interactions. Assisted tree migration is a strategy considered to potentially address responses to climate change. This project aims to quantify the impact of such strategies on amphibian, reptile, bird, mammal, and insect communities. Different methods will be used to sample the different taxa, including, pitfall traps, live traps, point counts, and coverboards. The project will involve developing community occupancy models and species interaction occupancy models.

Required qualifications:
Undergraduate degree in biology, wildlife, forest sciences, or related field
Strong academic record
Quantitative analytical skills
Scientific writing skills
Experience in animal ecology
Motivation and independence in the field

Funding:
This project includes a scholarship of 18 000$/year during two years.

Start date:
September 2021

Contact:
To apply for this position, send a cover letter, CV, and unofficial transcripts to Marc J. Mazerolle (marc.mazerolle@sbf.ulaval.ca).

Applications will be reviewed until position is filled.