# Graduate student (PhD) position in adaptive silviculture

## *Assisted Migration of Forest Trees (TransX project)*

**Project description**: Most trees in Canada are at risk from climate warming, which requires the development of strategies to increase the adaptive capacity of forests. Here, we propose to develop new operational knowledge that can inform forest-assisted migration, a key component of climate-smart forest interventions. This new research will leverage the TransX legacy trial established under the Silva21 research initiative, which aims to test empirically the assisted migration of multiple key coniferous and broadleaf tree species, in order to improve the stand establishment phase and ensure the maintenance of healthy, vibrant forest stands under climate change. The PhD candidate will monitor the early response of warm-adapted forest tree populations planted in colder sites ranging across northern US and eastern Canada and develop new guidelines to help move assisted migration strategies into successful operations.

**Candidate profile**: Completion of a Master's degree in forestry, environment, biological sciences or other relevant field. Strong motivation and very good autonomy are desired. *All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin or disability.*

**Financial support**: Guaranteed minimum annual income of $28,000 (CDN) for three years.

**Beginning of the PhD**: May 2024.

**Contact**: Send a cover letter, a transcript and a complete CV by email to Prof. Loïc D'Orangeville, Faculty of Forestry and Environmental Management, University of New Brunswick, at **loic.dorangeville@unb.ca**. The position is open until filled.