POSTDOCTORAL RESEARCHER POSITION

POSTDOC OPPORTUNITY - NORTHERN HARDWOOD FOREST ECOSYSTEMS UNDER CLIMATE CHANGE: ASSESSING MITIGATION CAPACITY OF FOREST MANAGEMENT USING A MULTISCALE PLATFORM OF CARBON DYNAMICS MODELING

This project will be undertaken as part of a significant research program in partnership with the Quebec Ministry of Forests, Wildlife and Parks, funded by Fonds de recherche du Québec – Nature et technologies (FRQNT). It involves an experienced and multidisciplinary team seeking natural-based solutions for climate change mitigation.

This research project aims to display a multiscale modeling architecture to assess different forest management strategies under climate change. It will also assess their mitigation capacity by using carbon sequestration and reduction of radiative forcing under current and future climates.

The postdoc will play an essential role to ensure the integration of the project results on Forest carbon dynamics in the Quebec province, as well as the linking between scales within the platform through transcalar transfer functions. The postdoc will be responsible of developing decision-making tools for technology transfer to meet the needs of our government partners organisations, within Quebec. Finally, the postdoc will be also responsible of the scientific coordination between workgroups and will support the students who are working on this research program.

**Workplace environment**

ISFORT is a dynamic and multidisciplinary team that carries out research to better understand temperate forest ecosystems functioning.

**Workplace**
Department of natural sciences
Université du Québec en Outaouais (UQO)

**Research supervisor and co-supervisor**
Frédérik Doyon, UQO
Évelyne Thiffault, Laval University

**Collaborators**
Forests, Wildlife and Parks, Qc;
Chief Forester, Qc;
Natural resources Canada;
Environment and Climate Change Canada.

**Candidate profile**
PhD completed in forestry, biology, geography, or a related discipline.

**Experience sought**
Remarkable abilities in digital ecology (R, database) and modelling. Ability to work both independently and as part of a research team. Solid and relevant research experience with good scientific writing skills.

**Working conditions**
Project fundings provide salary of 51 000 $CAD/year for three years. Additional funding will be provided for IT equipment, training and to present at conferences.

**Application process**
To start the application process, please email the cover letter, CV, publications, and contact information of 2 references to rebeca.corderomontoya@uqo.ca. Application review will begin 10th January 2022 and continue until a candidate is selected. Expected starting date: summer 2022; a later start date may be possible. UQO is committed to an Equity, Diversity and Inclusion Policy in all of its research activities.