



Postdoc in Forest Management and Climate Change

Adaptation of forest management strategies in the face of climate change in the boreal forest: A real experience in Eastern Canada

Background

The boreal forest is the second-largest terrestrial biome on Earth and covers a 14 million km² belt, representing about 25% of the Earth's forest area. Two-thirds of this forest biome is managed and supplies 37% of global wood production. These forests also provide a range of natural resources and ecosystem services essential to humanity. However, climate change is altering species distributions, natural disturbance regimes, and forest ecosystem structure and functioning. Although sustainable management is the main goal across the boreal biome, a novel framework is required to adapt forest strategies and practices to climate change.

The goal of this PhD project is to provide the forest management recommendations needed to adapt the plans and the silvicultural practises in real territory (Regional county municipalities of Abitibi) in the face of climate change.



Start date: August- September 2025

Duration : 2 years

Location:

The postdoctor will be based at GREMA (<https://www.uqat.ca/recherche/grema/>) at the Forest Research Institute (IRF; <https://www.uqat.ca/programmes/irf/>) on the Amos campus of the Université du Québec en Abitibi-Témiscamingue (Quebec, Canada). The IRF is dynamic, multicultural and international research group that provides a high-quality environment for students to develop their research, with 12 professors and more than 60 graduate students working on a wide range of topics such as forest dynamics, silviculture, genetics, biodiversity, ecophysiology and sustainable forest management. IRF students also benefit from professional development resources and opportunities (scholarships, participation in conferences, workshops) offered by the Centre for Forest Research (www.cef-cfr.ca). In addition, the student will be a member of the cold forest- international research group (<https://forets-froides.org/>). As part of this project, the student will also have the option of completing an international internship funded in Europe.

Supervision and collaborators:

The student will be supervised by Miguel Montoro Girona (UQAT). Therefore, the professors at GREMA, our collaborators at Canadian Forest Service, Forest Ministry and the MRC will be collaborators of this project.



Financial support: of 51 400 \$ by year for 2 years

Required profile:

- Education: A good or excellent academic record. PhD degree in ecology or forestry with an interest in natural disturbance and silviculture effects in a context of sustainable forest management in the face of climate change.

- Requirements: French speaker. A valid driver's license, the ability to work in a multidisciplinary team. Teamwork capacity. Skills in statistical analysis and scientific communication will be considered in the selection process. We are looking for a dynamic, autonomous, responsible and motivated person. The applicant must be systematic and accurate, in combination with a curious and critical mindset, be good at cooperation yet also be capable of working independently.

- EDI's principles: Priority will be given to candidates from under-represented groups (Aboriginals, ethnic and visible minorities, LGTBI, women).

To apply: Send an email including a curriculum vitae, a cover letter, an academic transcript and the names of two referees to miguel.montoro@uqat.ca .

Interested candidates must send their application before August 6th 2025





UQAT: HIGHER LEARNING ON A HUMAN SCALE

Study in the heart of Quebec's great outdoors

Set in a region where wilderness, lakes, and forest stimulate creativity and foster talent, UQAT is different by nature.

With 22,000 lakes and endless miles of boreal forest, Abitibi-Témiscamingue is a dynamic place full of creative people, new ideas, and bold projects. [See what our students have to say!](#)

Denowned professors with time for you

The professors at UQAT are recognized experts in their fields who epitomize quality teaching. And with a ratio of one professor or lecturer to every twelve students, UQAT offers a personalized educational environment where you will fit right in. Knowing you can always count on your professors to be available—now that's a real advantage.

ranked among the 3 canadian universities mainly active in Canada for per-faculty research intensity in the undergraduate category (full-service universities, excluding universities with medical schools).

A world of high-calibre research

Research activities at UQAT are producing remarkable results in a range of scientific fields. According to the 2020 independent firm RESEARCH Infosource Inc., UQAT is

With \$16.2 million in research per year and state-of-the-art laboratories, UQAT is an exceptional environment for graduate students. Many of our students have achieved excellence in their chosen fields and many of our professors have been recognized for the quality of their research and their innovative spirit. [Find out more](#)

STUDENT FOR A DAY

One visit is enough to know that UQAT is a first-class institution. The Student for a Day program is the best way to learn more about UQAT, visit the campus that interests you, and meet professors and students.

We'll tailor the visit to your needs and interests!

[Find out more](#)

