



ST. FRANCIS XAVIER
UNIVERSITY

Climate Feedback Lab

The Climate Feedback lab at St. Francis Xavier University in conjunction with collaborators at Simon Fraser University, Concordia University, and the University of Victoria are seeking an expert in Earth system model development for a fully funded position renewable for up to 5 years. The selected candidate will assist in a research program to assess the climate effects of nature-based solutions to climate change. The position will begin as early as **August 1 2022**. Starting salary is \$66,500 CAD plus auxiliary health benefits.

The Ideal candidate will have an MSc or PhD in Earth system model or land surface model development, knowledge of the Fortran programming language, and experience running climate models on super computing infrastructure. Familiarity with GitLab servers, html, NetCDF, Perl and shell scripting, and large data set management is desirable. Experience with the University of Victoria Earth System Climate Model (UVic ESCM) is considered especially advantageous. Knowledge of French (in addition to English) is not required but considered an asset. Excellent oral and written communication skills, interpersonal skills, and ability to work independently are required.

The duties of the position include:

- Update the dynamic vegetation module within UVic ESCM
- Assisting graduate students and postdocs with model development.
- Coordinate model development tasks and integrate divergent model development threads of the UVic ESCM into a single, publicly available model version, in partnership with all groups developing the UVic ESCM globally.
- Maintaining the public facing webpage for the UVic ESCM.
- Ensure that model simulations integral to project completion are conducted.
- Assist with knowledge mobilisation and grant reporting tasks.

St. Francis Xavier University and collaborators' institutions are strongly committed to diversity within their community and especially welcome applications from racialized persons / persons of colour, women, Indigenous Peoples, persons with disabilities, people of all sexual orientations and gender identities, and others who may contribute to the further diversification of ideas.



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The position is open to remote working within Canada, if the successful candidate is a Canadian citizen or permanent resident. If the successful applicant is not a Canadian citizen or permanent resident they must reside within the province of Nova Scotia. An office will be provided if the successful candidate chooses to live in Antigonish, Vancouver, or Montreal.

Applicants should provide a cover letter, curriculum vitae, statements of model development and research experience, and the contact information for three references. Reference letters will be requested only for those applicants who are selected to be interviewed. **Applications should be sent via email to:**

Dr. Andrew MacDougall
Coordinator, Climate & Environment
St. Francis Xavier University

Please forward applications to the following email address: **amacdoug@stfx.ca**

St. Francis Xavier University, located in Antigonish, Nova Scotia, acknowledges that it is situated in Mi'kma'ki, the ancestral and unceded territory of the Mi'kmaq People. The review of applications will begin on **June 15, 2022** and will continue until the position is filled.

Only those selected for an interview will be contacted. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.