

Post-doc position in Earth system modelling of nature-based climate solutions

The Climate Research Lab at Simon Fraser University in Vancouver, Canada, invites applications from highly motivated PhDs with an interest in policy-relevant climate science and outreach. The successful candidate will be part of a collaborative research project investigating the climate benefits of nature-based climate solutions in Canada. They will be tasked with quantifying the effects of afforestation and reforestation on the hydrologic cycle using Earth system model simulations. The position will involve:

- Design, execution and analysis of Earth system model simulations
- Preparation of scientific publications
- Knowledge mobilization

The successful applicant will work under the supervision of Dr. Kirsten Zickfeld, in collaboration with Dr. H. Damon Matthews at Concordia University, and Dr. Andrew MacDougall at St Francis Xavier University. Drs. Zickfeld, Matthews and MacDougall lead dynamic research groups with extensive expertise in Earth system modelling and land-atmosphere interactions, and have successfully collaborated for several years.

Funding is available for two years starting immediately.

Candidates with a PhD degree (or international equivalent) in climate science, atmospheric science, oceanography, physical geography, environmental science or related disciplines are invited to apply. Strong quantitative and computational skills, demonstrated ability to publish work in peer-reviewed journals, ability to work independently and excellent oral and written communication skills are required. Experience running an Earth system model of full or intermediate complexity is strongly desirable, as is experience working within a stakeholder-engaged research environment.

Simon Fraser University is 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.

For consideration, please send a single pdf document containing 1) a 1-page cover letter summarizing qualifications and experience relevant to the advertised position, 2) a CV listing education, past employment, research contributions including a publication list and contact information of two academic references, and 3) a 2-page research statement outlining research interests related to the advertised position to Dr. Kirsten Zickfeld (kzickfel@sfu.ca).

Evaluation of applications will start immediately and will continue until the position is filled.

For further information contact:

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