



## Postdoc Position in Coupled Climate-Carbon Cycle Modelling

The Climate Research Lab in the Department of Geography at Simon Fraser University, led by Dr. Kirsten Zickfeld, invites applications for a postdoctoral position in coupled-climate carbon cycle modelling. Simon Fraser University is located in Metro Vancouver, British Columbia, Canada, a vibrant metropolitan area situated in a spectacular natural setting of ocean and mountains.

The successful candidate will join a dynamic group with expertise in Earth system modelling, climate dynamics and climate-carbon cycle interactions on decadal to centennial timescales. The focus of the research will be in one of the following areas: 1) Reversibility of climate changes in “overshoot” scenarios, i.e. scenarios that temporarily exceed a given temperature limit, 2) Earth system response to artificial removal of carbon dioxide from the atmosphere, 3) Carbon budgets consistent with limiting warming to the temperature limits set by the Paris Agreement (1.5°C and 2°C warming above pre-industrial). Research questions will be addressed using an Earth System Modelling framework, e.g. the UVic Earth System Climate Model run in house, and/or climate model archives such as the Climate Modelling Intercomparison Project Phase 6 (CMIP6).

Funding is available for one year, with possibility of renewal for one additional year. The preferred start date is 1<sup>st</sup> October 2019.

Candidates with a PhD degree (or international equivalent) in atmospheric science, oceanography, earth science, physical geography, physics or related disciplines are invited to apply. A strong background in climate science, strong quantitative and programming skills (Fortran, Matlab, R and/or Python), demonstrated research experience, strong record of scientific publications, ability to work independently and excellent oral and written communication skills are expected.

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 three academic references, and 3) a 2-page research statement outlining research interests related to the advertised position to Dr. Kirsten Zickfeld ([kzickfel@sfu.ca](mailto:kzickfel@sfu.ca)).

Evaluation of applications will start on August 5<sup>th</sup> 2019 and will continue until the position is filled.

For further information contact:

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