PhD Positions in Coupled Climate-Carbon Cycle Modelling

The Climate Research Lab in the Department of Geography at Simon Fraser University (Vancouver, British Columbia, Canada), led by Dr. Kirsten Zickfeld, invites applications from students interested in pursuing Doctoral research about interactions between climate and the carbon cycle.

The successful applicants will join a dynamic group with expertise in Earth system modelling, climate dynamics and climate-carbon cycle interactions on decadal to centennial timescales. Funding is available for research in the following areas: (1) Reversibility of human-induced climate change, (2) Effects of artificial atmospheric carbon dioxide removal on the coupled climate-carbon cycle system, and (3) Carbon budgets consistent with climate targets. See https://www.sfu.ca/geography/people/profiles/kirsten-zickfeld.html for details.

Specific research projects will be developed in consultation with the student. Research projects involve conducting simulations with an Earth System model of intermediate complexity, and/or analyzing data from climate model data archives.

Funding in the form of research and teaching assistantships is available for two 4-year PhD positions starting in January 2019.

Students with a Master’s degree (or equivalent) and training in climate and atmospheric science, oceanography, earth science, physical geography, physics or related disciplines are invited to apply. A solid background in climate science, strong quantitative skills, programming skills (Matlab, R or Python), research experience and excellent oral and written communication skills are expected.

For consideration, please send a single pdf document containing 1) a cover letter of 1-2 pages summarizing research interests, qualifications and experience that fit the advertised position, 2) a CV listing past employment, education and research experience, skills, publications and contact information of 2-3 academic references, and 3) academic transcripts to Dr. Kirsten Zickfeld (kzickfel@sfu.ca).

Evaluation of applications will start on Monday, August 12th 2018 and will continue until the positions are filled.

Interested students will also need to submit an application to the Department of Geography, see http://www.sfu.ca/geography/graduate-studies/information-for-applicants/applying-to-the-program.html.

For further information contact:

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