



SCHOOL OF
ENVIRONMENTAL
STUDIES

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Ph.D. and Master on carbon dynamics and climate extremes

The School of Environmental Studies at Queen's University is seeking to fill one Ph.D. and one Master position in terrestrial ecosystem modelling. Combining global earth observations and numerical simulations, the successful applicants will explore the sensitivity of terrestrial carbon fluxes to climate extremes. Both projects provide opportunities for developing a wide range of technical skills, such as working on a high-performance computer, processing large data sets, conducting numerical simulations, and carrying out statistical analysis. The students will join a dynamic research group with the opportunity to develop strong working relationships with academic and government scientists across Canada. The research will support the evaluation and development of the land surface component of the Canadian Earth System Model. Both projects are led by Dr. Christian Seiler and start in September 2023.

The Ph.D. student will be supported with a minimum of \$21,000 per year for four years and a minimum of additional \$5000 per year during the first three years. The Master student will be supported with a minimum of \$16,000 per year for two years. Additional funding sources include the Natural Sciences and Engineering Research Council of Canada (NSERC) Postgraduate Scholarships Doctoral program, NSERC's Canada Graduate Scholarships Master's program, and the Ontario Graduate Scholarship (OGS) Program.

The School of Environmental Studies offers academic programs and scholarly research emphasizing the diverse contributions of the natural sciences, social sciences and humanities to understanding and addressing environmental problems. We also engage with government, industry and community stakeholders to pursue meaningful environmental research and sustainable practices. Queen's University is a Canadian research-intensive university with a transformative student learning experience.

The University invites applications from all qualified individuals. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal Peoples, persons with disabilities, and persons of any sexual orientation or gender identity. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents.

If you would like to apply, please send an e-mail to Dr. Christian Seiler (christian.seiler@queensu.ca) with "Ph.D./MES on carbon dynamics and climate extremes" in the subject line. Please attach a single PDF document that contains (i) a cover letter, (ii) CV, (iii) transcripts, and (iv) a list with the contact information of three potential referees. Applicants need not identify their country of origin or citizenship; however, all applications must include one of the following statements: "I am a Canadian

citizen / permanent resident of Canada”; or, “I am not a Canadian citizen / permanent resident of Canada”. Applications that do not include this information will be deemed incomplete. The position will remain open until a suitable candidate is found. For more information on the application process, please visit <https://www.queensu.ca/ensc>, or contact:

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