



SCHOOL OF
ENVIRONMENTAL
STUDIES

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PhD and MSc on Carbon Dynamics and Machine Learning

The School of Environmental Studies at Queen's University is seeking to fill one PhD and one MSc position in terrestrial ecosystem modelling. The successful applicants will conduct research that integrates numerical modeling, global earth observations, and artificial intelligence for the purpose of constraining future carbon cycle fluxes. 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 2024.

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. This call only accepts applications from 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 "PhD/MSc on Carbon Dynamics and Machine Learning" 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. All applications must include a statement confirming whether you are Canadian citizen or permanent resident. The reviewing process will begin on February 2nd, 2024, but the position will remain open until a suitable candidate is found. For more information, please visit <https://www.queensu.ca/ensc>.