



## POSTING: Post-Doctoral Research – Integrated Water Management Modeling under Climate Change

---

We are seeking a highly motivated post-doctoral researcher with strong academic experience in hydrologic modelling and statistical analyses with experience using integrated water management models. The goal is to project operational water supplies for hydropower in the Province of Manitoba under climate change. The successful candidate for this position will be working within the Global Water Futures Canada First Excellence Research Fund (CFREF) on the Integrated Modeling Program for Canada (IMPC) project to quantify pan-Canadian changes in water supply and water security. Candidates for this position will work in close collaboration with research partners and industry (Manitoba Hydro) and will be expected to contribute to presentations for the partners and author peer-reviewed publications.

Applicants should have a strong background in the areas of hydrologic modeling and statistical analyses specifically related to uncertainty assessment, and preferably have experience with climate change simulation. Special consideration will be given to those candidates who have had exposure to programming in R, Matlab, and Fortran and experience with cold regions hydrology.

The successful candidate will study jointly within the Faculty of Engineering (Department of Civil Engineering) and Centre for Earth Observation Science (CEOS) at the University of Manitoba, Winnipeg MB, Canada. Housed within the Clayton H. Riddell Faculty of Environment Earth and Resources, CEOS is home to 15 full time faculty, and approximately 70 other students and staff devoted to the study of Arctic marine science. The Centre is located in the newly developed Nellie Cournoyea Arctic Research Facility. Graduate students have access to state-of-the-art field and laboratory facilities. CEOS is a founding member of the new international Arctic Science Partnership.

---

**Application deadline: November 1, 2017**

---

Applications should be emailed Dr. Trish Stadnyk ([Tricia.Stadnyk@umanitoba.ca](mailto:Tricia.Stadnyk@umanitoba.ca))  
Please include in your application a CV, transcripts, a short statement of relevant research experience and interests, and the contact information for two referees. Send all documentation in 1 PDF file please.

---



GLOBAL WATER FUTURES  
INTEGRATED MODELLING  
PROGRAM FOR CANADA