



**University  
of Manitoba**

CENTRE FOR EARTH OBSERVATION SCIENCE

## **MSc position in iceberg modelling**

As the Greenland Ice Sheet and northern ice caps and glaciers retreat rapidly in response to climate change, an increasing volume of freshwater is entering the subpolar North Atlantic and Arctic Oceans. The freshening of these regions has important consequences to the ocean's physical and biogeochemical characteristics, including alteration of ocean circulation, sea surface temperature trends, and primary productivity – all of which feedback on Earth's climate system. I'm seeking highly motivated students at MSc level interested in studying one of the sources of this freshwater to polar oceans: *icebergs*. The successful candidate will work under my guidance (Dr. Juliana Marson) on the representation of iceberg melt plumes in a numerical model (namely, the *Nucleus for European Modelling of the Ocean*, NEMO). Candidates should hold a degree in Oceanography, Meteorology, Physical Geography, Environmental Science, Computer Science, Physics, Mathematics, or a related field. The start date for this project is flexible.

### **Positions are open until filled**

Applications should be emailed to Dr. Juliana Marson ([Juliana.MariniMarson@umanitoba.ca](mailto:Juliana.MariniMarson@umanitoba.ca)). Please include in your application a cover letter indicating your motivation and relevant research experience, a detailed curriculum vitae, academic transcripts, and the contact information for at least two referees.

#### **Diversity and Immigration Statement:**

The University of Manitoba is strongly committed to equity and diversity within its community and especially welcomes applications from women, racialized persons, Indigenous Peoples, persons with disabilities, persons of all sexual orientations and genders, and others who may contribute to the further diversification of ideas. If you require accommodation supports during the recruitment process, please contact U of M's Equity, Diversity and Inclusion Facilitator, Valerie Williams at [Valerie.Williams@umanitoba.ca](mailto:Valerie.Williams@umanitoba.ca) or 204-474-8371. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority.

#### **FIPPA Statement:**

Application materials, including letters of reference, will be handled in accordance with the protection of privacy provision of The Freedom of Information and Protection of Privacy (Manitoba). Please note that curriculum vitae may be provided to participating members of the search process.