Integrated Modelling Program for Canada
Global Water Futures

Multi-model Intercomparison Project on the Saskatchewan-Nelson-Churchill River Basin (Nelson-MiP project)

Monthly meeting – November 18th, 2020

Environment and Climate Change Canada
Environnement et Changement climatique Canada

STRATEGIC COMMUNITY CONSULTING

University of Saskatchewan

University of Waterloo

Manitoba
Manitoba Infrastructure

Water Security Agency

UNBC University of Northern British Columbia

Alberta Environment and Parks

University of Alberta

Manitoba Hydro

TransAlta

University of Manitoba

University of Calgary

Integrated Modelling Program for Canada
Global Water Futures

Agenda

1. Update of Nelson-MiP model setup with harmonized data
2. Extension of Phase 0/1 submission due date, and next meeting
3. Poster for AGU - Fall meeting 2020
4. Presentation of model intercomparison work from Manitoba Hydro

Integrated Modelling Program for Canada
Global Water Futures

Update of Nelson-MiP model setup with harmonized data

Deadline for submission Phase 0/1 & next meeting

- Phase 0/1 is due by end of December 2020. We agreed on extending it to **end of February 2021.**

- Next meeting scheduled for **December 9, 2020**.

Integrated Modelling Program for Canada
Global Water Futures

Nelson-MiP poster for AGU Fall meeting 2020

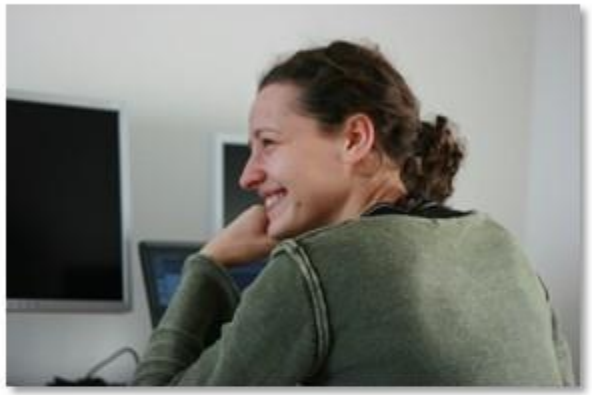
https://agu2020fallmeeting-agu.ipostersessions.com/Default.aspx?s=93-36-0D-B2-6C-3D-39-47-FD-AC-42-FC-AD-D2-9C-A4

Model inter-comparison studies over the Great Lakes

November 23, 1-2 PM CST (GMT-6)

In this webinar, learn about research efforts in the Integrated Modelling Program for Canada to advance and improve land-surface and hydrologic modelling through model inter-comparison studies.

Dr. Julie Mai will discuss efforts to build a framework for model intercomparison, along with results from the several phases of the Great Lakes Runoff Inter-comparison Project (GRIP) for Lake Erie (GRIP-E) and its extension to the entire Great Lakes (GRIP-GL). These projects compare a wide range of lumped, distributed, and Machine Learning models that are used operationally and/or for research purposes across Canada, the United States, and Europe. While GRIP-E focused only on streamflow, GRIP-GL compares model performance for streamflow and additional types of observations. The webinar will focus on lessons learned during the GRIP-E project and explain how the GRIP-GL project is setup as well as its current status.



Dr. Juliane Mai

Research Assistant Professor
Global Water Futures
Hydrology Research Group
Dept. Civil and Environmental Engineering
University of Waterloo

Register Here: https://bit.ly/3kdybS1

Integrated Modelling Program for Canada
Global Water Futures

GLOBAL WATER FUTURES
SOLUTIONS TO WATER THREATS IN AN ERA OF GLOBAL CHANGE

Integrated Modelling Program for Canada
Global Water Futures

Manitoba Hydro model intercomparison

Shane Wruth, Phillip Slota, Mark Gervais,
Kevin Sagan & Kristina Koenig