



## **Canadian Young Hydrologic Society Workshop:**

Current and future directions of Canadian hydrology from the point of view of Early Career Researchers

### **Overview**

The Canadian hydrologic landscape is dynamic and varied, with a multitude of research groups with a wide range of study sites and research methods. We, the Canadian Young Hydrologic Society (CYHS), see an opportunity to bring together early career researchers (ECR), including graduate students and postdoctoral fellows in hydrology from institutions across Canada in a 3-day workshop to synthesize ECR perspectives on the current state, challenges and opportunities in Canadian hydrology. We will discuss the different themes, sites, and study methods that make up the Canadian hydrological research landscape, the common challenges and opportunities arising from these different projects, and the different roles that ECR play in these projects. These structured discussions will lay the groundwork for a white paper to be submitted for publication to a peer-reviewed journal following the workshop.

Approximately 40 ECRs will be selected from institutions across Canada accounting for geographical distribution, scientific background, and gender balance. The workshop will serve to highlight the recent achievements of early career hydrologists in Canada and lay out how we can stimulate interaction, and foster collaborations across different institutions to build a stronger scientific community.

### **Logistical Information and Tentative Agenda**

**When:** July 4-6, 2019, in the days preceding the IUGG-CGU General Assembly in Montreal.

**Where:** Thomson House on McGill University campus in downtown Montreal.

**Who:** 40 selected graduate students, postdoctoral fellows and early career faculty (<5 years since completion of PhD) from Canadian Universities working in hydrology.

**Agenda:** The workshop will be composed of three rounds of facilitated discussion where delegates will discuss key priorities and challenges they have encountered in working in Canadian hydrology, recent innovations, the role of ECR and the potential for enhanced knowledge exchange and collaboration. Participants will be grouped differently for each of the three rounds of discussion according to three different schemes:

- 1) the type of physical environment they study,
- 2) the research methods and data requirements of their work, and
- 3) the user engagement and knowledge dissemination strategies they employ.

### **Tentative Schedule:**

- Day 1:
- Introduction and explanation of workshop goals (9 am start)
  - Participant introduction / Ice breaker activity
  - Guest speaker
  - Break-out and plenary discussions (round 1)
- Day 2:
- Break-out and plenary discussions (round 2)
  - Afternoon field visit at the Gault Reserve (Tentative)



- Brainstorming ahead of discussions on topic 3
- Social event in the evening
- Day 3:
  - Break-out and plenary discussions (Round 3)
  - Discussion of future directions, synthesis of discussions in large groups,
  - Guest speaker
  - Workshop wrap-up (ending at 5 pm)

### **Funding**

The workshop, including lunches and a field trip, is offered free of charge thanks to our sponsors. Travel grants of \$250 will also be available for some participants to help cover the cost of transportation and lodging in Montreal.

**Application process:** Graduate students, postdoctoral fellows and early career faculty (<5 years since completion of PhD) are invited to apply by February 18th, 2019 (coincident with IUGG abstract deadline) at <https://goo.gl/forms/0crYGtPN5uj4NXIJ2>. Any questions can be emailed to [Canadianyhs@gmail.com](mailto:Canadianyhs@gmail.com).

### **Organizing committee**

Caroline Aubry-Wake (CYHS, University of Saskatchewan)  
Lauren Somers (CYHS, McGill University)  
Kelly Biagi (CYHS, McMaster University)  
Sophie Wilkinson (CYHS, McMaster University )  
Cody Ross (CYHS, University of Manitoba)  
Pierrick Lamontagne-Hallee (CYHS, McGill University)

### **Sponsors:**

The Canadian Geophysical Union - Hydrology Section  
McGill University Faculty of Science  
McGill University Department of Earth and Planetary Sciences  
McGill University Department of Geography  
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