



**Joint YESS-YHS Early Career Researcher Workshop 2018**  
**“Towards Regional Information to Improve Our Understanding on**  
**Weather, Water, and Climate Extreme Events”**

3-5 May 2018, Canmore, Canada

Location: Coast Canmore Hotel and Conference Centre

**Agenda**

**Day 1 - Thursday May 3**

- 07:00 – 08:45** *Breakfast in Foyer*
- 08:45 – 09:00** Arrival & registration of workshop participants
- 09:00 – 09:15** General opening of workshop
- 09:15 – 09:45** Short introductions of participants
- 09:45 – 10:15** Introduction to YESS and YHS
- 10:15 – 10:45** Introduction to WCRP/WMO, GEWEX mission, main project themes, and OSC context by **dr. Peter van Oevelen**, director of GEWEX International Project Office
- 10:45 – 11:15** *Coffee break*  
Prospective outcomes of workshop & plan/schedule  
Introduction to Working Groups on science discussion topics:
  1. Exploring data sources - Usage of conventional and unconventional data, and new technologies to provide improved better weather, water, climate, land and biogeochemical data services
  2. Scale interaction & user needs - Management of and adaptation to weather, water, and climate extreme events
- 11:15 – 12:30**
- 12:30 – 13:30** *Lunch break*  
Impulse talk by **Prof. dr. John Pomeroy**, University of Saskatchewan, Canada
- 13:30 – 14:00** *"The role of integrating observation and prediction systems in generating data and learning from models - a hydrological and weather extremes perspective"*
- 14:00 – ~18:00** Field Excursion to Fortress Snow and Climate Observatory\*.  
*Please note:* Sturdy hiking boots and cold weather clothing are required, e.g. gloves, tuque, insulated jacket
- 19:00 – 21:00** Social event at Canmore Brewing Company (optional)

*\*More information about the field excursion:*

*Located in scenic Kananaskis Provincial Park 75 km from Canmore, the Fortress Snow and Climate Observatory is a state-of-the-art network of automated weather stations to investigate cold region mountain hydrology. The field excursion will include a weather station visit, a discussion of the challenges and uncertainties associated with mountain hydrology, and an overview of the ongoing projects happening at the observatory. Located in the mountains, the site might still be snow covered in May and the visit will include some exploration around the observatory. Sturdy hiking boots and cold weather clothing are required (gloves, tuque, insulated jacket)*



## Day 2 - Friday May 4

- 07:00 – 09:00** *Breakfast in Foyer*
- 09:00 – 09:15** Introduction to Day 2
- 09:15 – 09:45** Impulse talk by **dr. Graeme Stephens**, co-director of NASA JPL, USA  
"Challenges in the science of weather, water and climate extremes"  
Recap of Working Groups on science discussion topics:
- 09:45 – 10:00** 1.Exploring data sources  
2.Scale interaction & user needs
- 10:00 – 11:00** Working Group discussions in break-out groups
- 11:00 – 11:30** *Coffee break*
- 11:30 – 12:45** Working Group discussions (cont'd) in break-out groups
- 12:45 – 13:45** *Lunch break*
- 13:45 – 14:45** Working Group discussions (cont'd) in break-out groups
- 14:45 – 15:15** *Coffee break*  
Plenary session on strengthening of ECR communities, including a discussions on e.g.:
- 15:15 – 16:00**
  - Strengthening research profiles and collective ECR vision
  - Enhancing the involvement of ECR in the global community
 Small break-out groups or WGs, possibly following YHS/YESS structures to facilitate
- 16:00 – 17:30** Smaller in-depth discussions and elevate on-going/planned activities in the ECR communities
- 17:30 – 18:00** Synthesis and closure

## Day 3 - Saturday May 5

- 07:00 – 09:00** *Breakfast in Foyer*
- 09:00 – 09:15** Wrap up of Day 2, Introduction to Day 3
- 09:15 – 10:15** Working groups outcome presentations and consolidation of an integrated ECR perspective on main workshop topics
- 10:15 – 11:15** Discussion of strategy for white paper write-up and publication
- 11:15 – 11:45** *Coffee break*
- 11:45 – 12:45** Discussion on enhancing ECR participation in and further contribution to the GEWEX OSC. Developing key messages to convey at GEWEX OSC
- 12:45 – 13:45** *Lunch break*
- 13:45 – 15:45** Ways forward for further development of the ECR communities
- 15:45 – 16:15** *Coffee break*
- 16:15 – 17:00** Synthesis and closure of the ECR workshop

### *Tentative main outcomes of the ECR workshop:*

- Presentation of key messages coming from the workshop during GEWEX OSC, scheduled for Friday morning 11 May during the plenary session.
- White paper about workshop discussions, to be published in an international scientific journal
- Workplan/future vision on ECR communities