

## **EarthsCAN Workshop, Whitehorse, May 31, 2016**

The purpose of the EarthsCAN research initiative is to develop a Canada-wide multi-disciplinary geoscience research initiative similar in scope to Lithoprobe, expanding on the success of the US Earthscope program (<http://www.earthscope.org>) with the addition of atmospheric-oceanographic-climatic/weather modeling. Globally, climate change, population growth, natural hazards and the need for long term sustainability of resource supply (including materials, energy and food) demands new approaches to the Earth Sciences. Here we are proposing to create new research networks that permit us to approach the challenges facing society with completely new ways of thinking. This initial EarthsCAN workshop (preceding the GAC-MAC 2016 conference) will discuss this research initiative, brainstorm and design possible proof of concept projects, in preparation for upcoming workshops being coordinated for August 2016 in Ottawa and Calgary; which now have >100 committed participants from Department of Fisheries and Oceans, Environment Canada, academia, Earthscope and emergency management agencies.

### **Workshop Goals**

- Discuss science goals that can be addressed using EarthsCAN data
- Capitalize on momentum from the EarthScope 2010-2020 Science Plan (<http://www.earthscope.org/information/publications/science-plan>)
- Outline possible pilot project(s) for EarthsCAN, and discuss general recommendations for possible deployment of USArray Transportable Array sites in western Canada
- Explore the breadth of community providing input to EarthsCAN
- Provide an opportunity to develop cross-disciplinary personal contacts and stimulate future scientific collaborations
- Provide recommendations for planning the August, Calgary-Ottawa workshops

### **Workshop Format and Agenda** (draft agenda to follow shortly)

The workshop will feature invited, cross-disciplinary talks and breakout discussion sessions. We are soliciting white papers from all attendees, discussing either research results or hypotheses that could be tested using EarthsCAN data. We will select several speakers to give short (5 minute) mini-talks to complement the invited speakers. These whitepapers will be available to breakout groups at the workshop and incorporated into a final workshop report. Everyone is encouraged to submit whitepapers, regardless of whether you are able to attend the workshop (we are hoping to have video-conferencing access).

**Format for white papers:** 2-3 powerpoint/PDF slides (with 1-2 pages word background)

**Deadline for white papers:** May 16, 2016

**Interested?** Please contact one of the conveners: Michael Schmidt ([Michael.Schmidt@UCalgary.ca](mailto:Michael.Schmidt@UCalgary.ca)), Pascal Audet ([pascal.audet@uottawa.ca](mailto:pascal.audet@uottawa.ca)), Katherine Boggs ([kboggs@mtroyal.ca](mailto:kboggs@mtroyal.ca))