

January 28, 2019

Second Circular - Arctic Data Workshop

On behalf of the Organizing Committee, we are pleased to announce that the NSF-funded Arctic Data Workshop at the University of Maine, Orono on 14-16 May 2019 is accepting new applications.

Application form

To apply to attend the NSF 2019 Arctic Data Workshop (<http://arctic.icecoredata.org/>) at the University of Maine from 14-16 May 2019, please send an email to icecores-group@maine.edu by March 1, 2019. Applications will be reviewed on a rolling basis.

Please include your:

- A) First name
- B) Last name
- C) Contact email
- D) Institution
- E) Current role in the research projects(s) (e.g. Master's student, Ph.D. student, researcher, professor, etc.)
- F) Whether or not you've had a conversation with any of the meeting organizers (so we know how to most efficiently route your application)

(strongly encouraged) Please answer the following questions in the body of the email to help us better prepare for the workshop:

1. What is is your primary area of expertise/study?
2. Why are you interested in participating in the 2019 Arctic Data Workshop?
3. Please indicate your level of expertise for the following software packages (novice/moderate/expert):
 - a. Github
 - b. Python
 - c. Jupyter Notebooks
 - d. R
 - e. NCL (NCAR Command Language)
 - f. Octave
4. Can you recommend any software, datasets, or publications you produced that may be relevant to the workshop goals (see below)?

5. For those working in data/software – Please provide a brief description of the most extensive program you have written in the past two years. Include programming environment and indicate the program operational purpose.
6. For those working in earth/climate science – Please list any climate reanalysis or paleoclimate reconstruction or proxy products that you developed in the last two years.

About the workshop

Please check the workshop website for the most current information:

<http://arctic.icecoredata.org>

The workshop goal is to bring together a diverse group of researchers (including faculty and graduate students) that are using or would like to use ice core data available from the Arctic Data Center. The goal is to learn about common research workflows that the community is using and to test the applicability of selected Arctic data sets and software tools to build the next generation of digital paleoclimate data products and reconstructions.

Background Information

In the past decade, the volume and complexity of data available in ice core science has grown rapidly. This increase has several major drivers: First, an increase in sampling frequency and quality has resulted in rapid generation of data. Second, advances in the Web and computer system integration of related technologies have simplified data exchange. Finally, the scientific community and funding agencies are supporting major efforts to increase research transparency by requiring researchers to publicly share project data collected during research in long term data repositories. All of these converging elements hold the potential to significantly boost scientific discovery due to the benefits of sharing data with other disciplines, but new computing approaches are needed.

The 2019 Arctic Data Workshop will focus on evaluation and testing of tools that simplify the use of publicly available Arctic data in a meaningful way. The goal is to increase the ease and transparency of working back from scientific results, for example a table within a publication, to the original datasets from which the summarized data were derived. By actively soliciting community-wide input and experience, the workshop will incorporate and share with the community related best practices from code development, digital curation, and software engineering.