

ICE CORE WORKING GROUP

IDPO SAB Meeting, April 22, 2014

IDPO/ICWG workshop, and ICWG meeting, UC Irvine, Feb. 2014

ICWG membership

- Sarah Aciego (University of Michigan)
- Christine Foreman (University of Montana)
- T.J. Fudge (University of Washington)
- Andrei Kurbatov (University of Maine)
- Karl Kreutz (University of Maine; chair)
- Erich Osterberg (Dartmouth College)
- Vas Petrenko (University of Rochester)
- Jeff Severinghaus (Scripps Institution of Oceanography)
- Eric Steig (University of Washington)

ICWG meeting outcomes

Update of ICWG bylaws

Duties

- Solicit input from the community to identify future ice core drilling sites and ice core science activities for short term and long term planning.
- Help form, review, and recommend to SAB and IDPO the future science site drilling matrix for the Long Range Science Plan.
- Identify and recommend to SAB and IDPO new ice coring technology development needed by the community, if any.
- Make itself available to provide scientific perspectives and information on activities at NICL.
- Help coordinate international partnering for ice coring projects including IPICS projects.
- Engage in discussion with members of other working groups to propagate information about ICWG activities, to learn about activities of other groups, and to foster coordination between the working groups.

ICWG meeting outcomes

ICWG Recommendation on Best Practices for Archiving Ice Cores *(March 20, 2014)*

Summary

Deep cores (>4", >1500m depth): continuous archive required, no archive required for replicate cores

Intermediate cores (<1500m, 4"): continuous and discontinuous archive recommended; cost vs. benefit of archive considered on case-by-case basis

SPICE core: continuous archive not considered necessary; discontinuous archive of 10cm per meter recommended

Shallow cores: no archive needed unless from a unique or logistically difficult site

ICWG ongoing activities

- Finalize ICWG bylaws (including member and chair rotation schedules)
- ICWG member input to IDPO Long Range Science Plan
- Discussion re. WAIS Divide borehole deepening
- Ad hoc meeting at Fall 2014 AGU, Virtual meeting spring 2015
- Work on compiling ice coring “shovel ready” list
- IDPO/ICWG website content

