Ed Brook, OSU College of Earth, Ocean, and Atmospheric Sciences (CEOAS) on behalf of the COLDEX Team
What is COLDEX?

- Pending proposal to the NSF Science and Technology Center Competition.
  - 5 years, $25M, typically renewed for another 5 years.
  - Final decision in June
  - 16 institutions, 36 participants.
  - Explore Antarctica for the oldest possible ice core records.
    - Explore the ice margin to extend records into the Pliocene.
    - Find a US site for an interior 1.5 Ma ice core.
      - Radar data acquisition, interpretation, modelling, rapid access.
  - Broaden participation in polar science including K-12 programs.
  - Train next generation of scientists and teachers.
  - Develop new technologies (radar, thermal probes, lab instrumentation and methods).
  - Transfer knowledge about polar science.

PIs (*) and Executive Committee (^)
Links to the broader ice core community?

- Open meetings, workshops, professional development programs, REU program, research scholarships for students and post docs.
- Open to new collaborations.
- Phase 1 (years 1-5) drilling in blue ice areas – archive of old ice for community use.
- Phase 2 (years 6-10) – deep ice core – further archive of old ice for community use. Opportunity for new formal partners in Phase 2.