



TEACHERS AND RESEARCHERS
EXPLORING AND COLLABORATING

Welcome to a Special Event!

Taking PolarTREC to the Classroom and Beyond

Reflecting on the Experience

23 July 2012

www.polartrac.com

Slides will be shown here

Exit the presentation

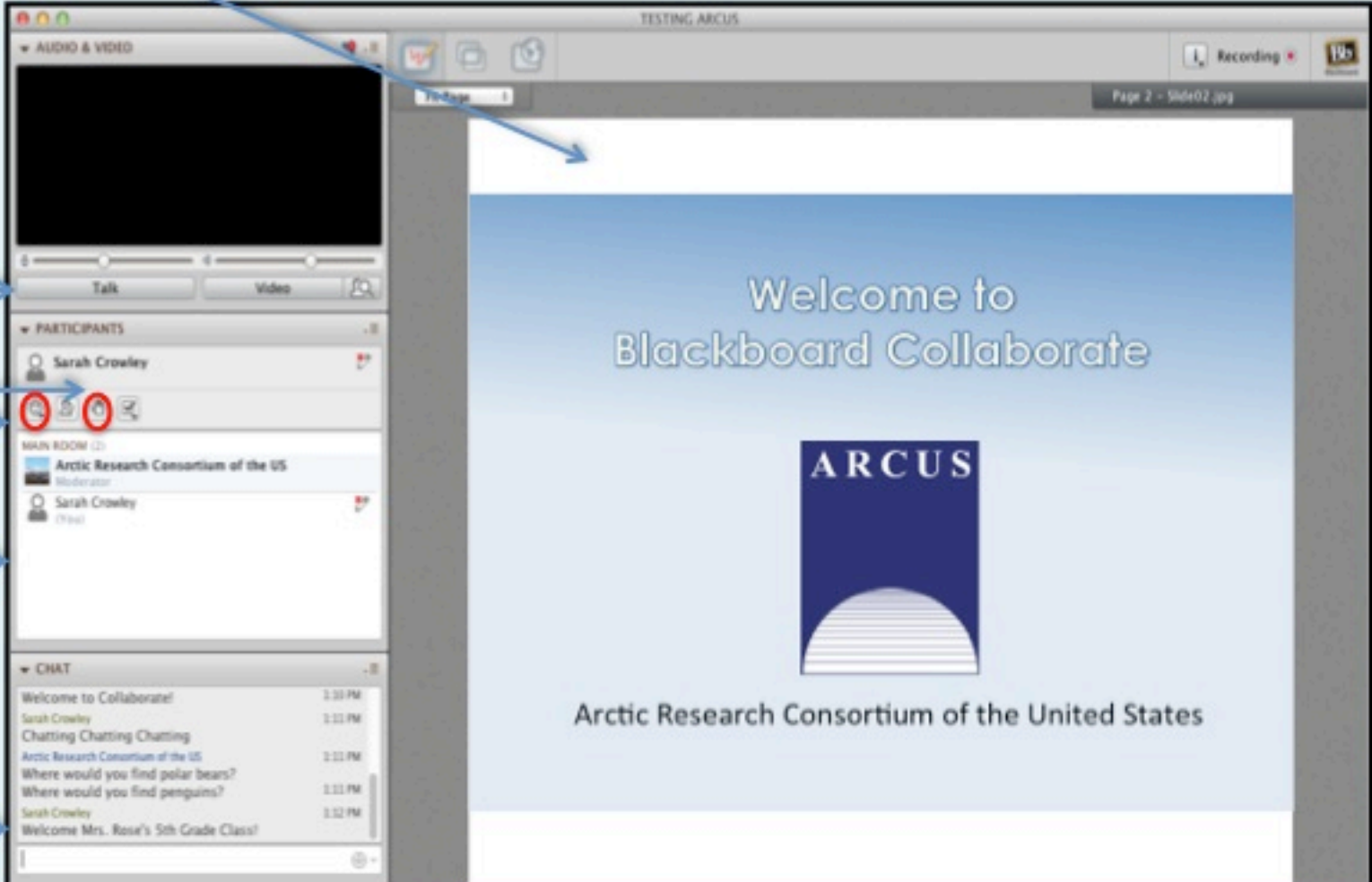
Click to Talk,
Unclick to finish talking

Raise your hand to ask a question

Share with emoticons

List of all participants

Chat with one person or the entire group



The screenshot shows the Blackboard Collaborate interface. The main window displays a presentation slide titled "Welcome to Blackboard Collaborate" with the ARCUS logo and the text "Arctic Research Consortium of the United States". The left sidebar contains several panels: "AUDIO & VIDEO" with a "Talk" button and a "Video" button; "PARTICIPANTS" with a list of participants including Sarah Crowley and Arctic Research Consortium of the US; "MAIN ROOM" with a list of participants; and "CHAT" with a chat history showing messages like "Welcome to Collaborate!" and "Where would you find polar bears?". Blue arrows point from the text labels on the left to the corresponding elements in the interface.

Please Note:

- Participants using the telephone can mute/unmute by **pressing *6** on the phone.
- Today's event will be recorded and archived.



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Questions & Discussions

Two ways to interact:

1. Type your questions or comments in the text chat box
2. Or, Raise your hand with the “hand button”.
 - PolarTREC staff will call on you.
 - Click on the Talk button to speak and unclick when done (if using VOIP) or unmute your phone *6
 - Speak loud and clear and directly into the phone to talk.



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Participant Introductions

When called, please state your:

- ✓ Name
- ✓ Expedition (name, location, year) and one sentence describing the science in the project.
- ✓ Where you will be teaching this coming year and grade level.



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2010-2011 PolarTREC Teachers





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2011-2012 PolarTREC Teachers





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Agenda

- Webinar 3 Purpose
- Reflecting on the Experience
 - Teachers Reflection
 - Researchers Reflection
- ARCUS Resources for Staying Connected & Your Needs
- Additional Announcements & Adjourn



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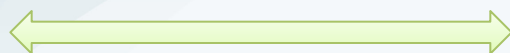
Purpose

- **Reflect** on the past and looking toward the future.
- **Share** your experiences with one another and recap on your expedition
- **Communicate** what you are doing with the research teams, other educators, and your students
- **Gather** ideas on how you can continue to use your experience
- **Contribute** to the PolarTREC alumni network

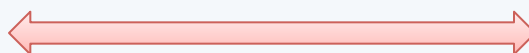


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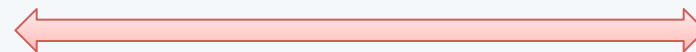
2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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TREC
2004-2006
(Arctic)






IPY PolarTREC
2007-2009
(Arctic/Antarctic)



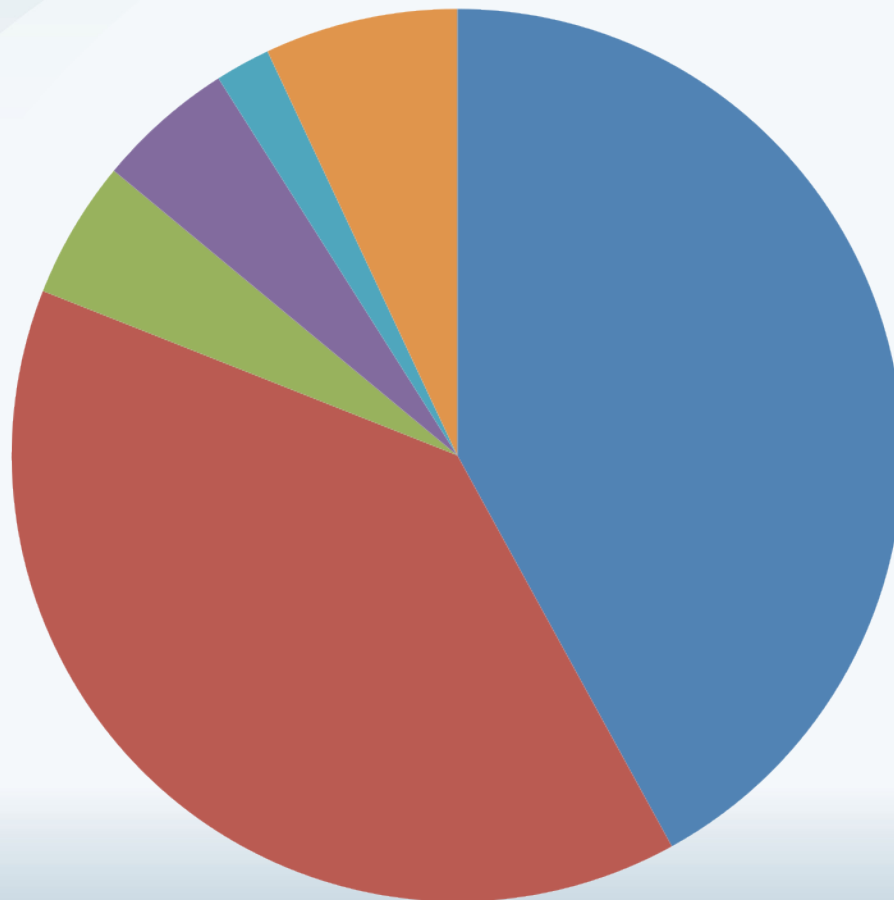
PolarTREC
2010-2014
(Arctic/Antarctic)

PolarTREC Participants

	Year	Total Teachers	Arctic	Antarctic
NSF IPY Award  	2007-2008	19	10	9
	2008-2009	14	9	5
	2009-2010	18	13	5
NSF OPP Award 	2010-2011	14	10	4
	2011-2012	13	7	6
	2012-2013	16	11	5
	2013-2014	-	-	-
		94	60	34

Our goal for 2010-14 award is to support 48 teachers over 4 years – 6 in the Arctic and 6 in Antarctica.

94 Total Participants To Date



■ High School (42%)

■ Middle School (39%)

■ Elementary (5%)

■ Informal Educators (5%)

■ Community College (2%)

■ *Einstein Fellows (7%)*

Support for Einstein
Fellows was through
NSF and ARCUS CA.



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Outreach Highlights

- **Over 80 lesson plans** developed as a result of the research experiences and posted online to Learning Resources Database for public use.
- **5 new Collections** created as part of Learning Resources including **Polar Week**.
- **1 new International working group** established to look at programs like PolarTREC and how best to assess and measure them.
- **15 Alumni** have participated at **IPY 2012 Montreal Conference**. **11 Alumni presented either an oral or poster presentation**.
- **Over 20,000 participants** have joined live from the field (Live from IPY & PolarConnect) events (Dec. 2006-present).



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Teacher Reflection

1. Discuss one aspect of the PolarTREC experience that surprised you or that you didn't expect.
2. Discuss how this experience has influenced your teaching and provide one example of how you are currently using this in your classroom.
3. Plan to share one current activity or plan for sharing the experience outside the classroom and/or with your community.



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Break Out Rooms

What to do in the Break Out Room:

1. Don't panic! We'll be "sending" you in a room with other people and we will bring you back to the main room.
2. Have one person be the recorder and/or take notes to report back to the main group.



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Researcher Reflection

1. How has this experience influenced your research?
2. How has this experience influenced your involvement in K-12 education activities?
3. Discuss one aspect of the PolarTREC experience that surprised you or that you didn't expect.



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Staying Connected

- Alumni Survey
- PolarSphere Newsletter
- Expedition pages
- Group social networking tools
- Travel Requests
- Other?



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Your Ideas and Needs Here!



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Thank You!

An archive of the event will be available.

