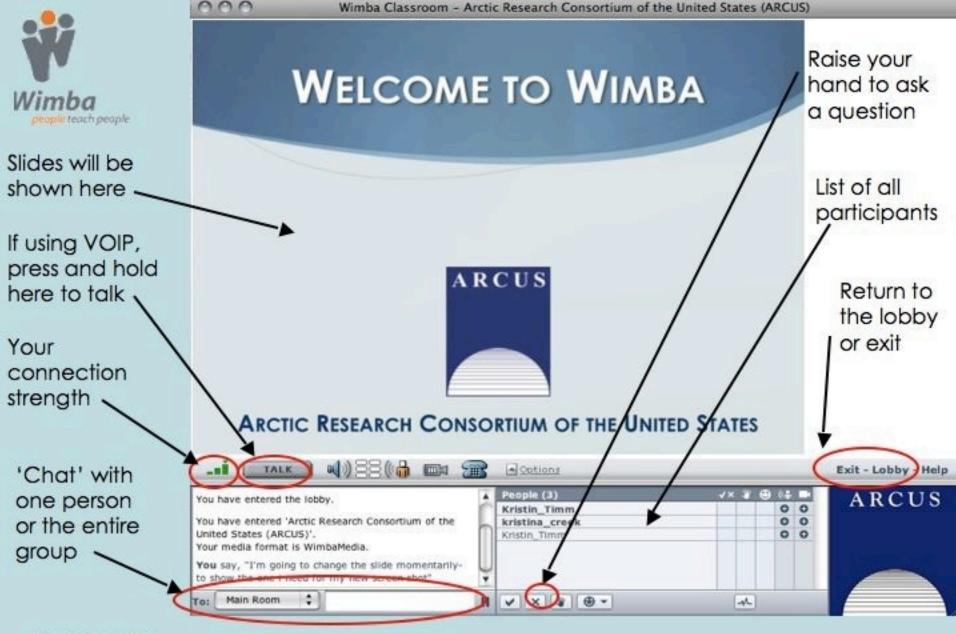
Welcome to PolarConnect

With Kevin McMahon and the Atmospheric Conditions and Arctic Climate Expedition

Wednesday 19 July 2011

9:00 a.m. AKDT

(10:00 am PDT, 11:00 am MDT, 12:00 pm CDT, 1:00 pm EDT)



Please note:

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

Roll Call

When called, please state your:

- ✓ Name
- ✓ School / Institution
- ✓ The number of students and adults participating with you in the same location

What is PolarTREC?

PolarTREC is a professional development experience in which K-12 teachers are paired with researchers for 2-6 week research experiences in the polar regions.

From 2010-2013, nearly 50 teachers from around the United States will join scientists in the Arctic and Antarctica to learn about science, the polar regions, and to share what they have learned with their students and communities.

Questions

To Ask a Question:

- ✓ Raise your hand with the "hand button"
- ✓ Type your question in the text chat box
- ✓ Speak loud and clear and directly into the phone to ask your question.

Atmospheric Conditions and Arctic Climate

Our Research Team

- Brandon Strellis,
 Masters Student,
 Georgia Institute of Technology
- Hannah James,
 a recent graduate of St. Lawrence
 University
- Kevin McMahon,
 PolarTREC Teacher from Renfroe Middle School, Decatur, GA
- Mike Bergin, professor in the School of Civil and Environmental Engineering at Georgia Institute of Technology



Enjoying arctic mosquitoes in Kangerlussauq

Where Are We? (Yellow Dot)



How Did We Get Here?





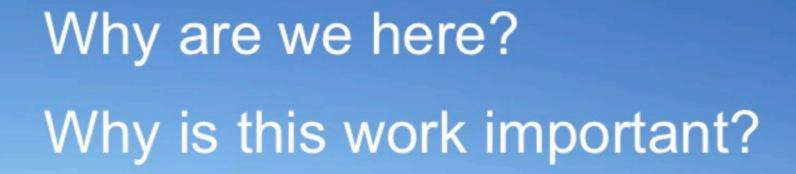
The Edge of The Ice Sheet



Melt Water Ponds







Picture taken at 12:30 a.m.
The sun never set when we were here.
Can you see the satellite camp on the horizon?

How Do We Collect Aerosol Information from the Snow?



Our Filter for Melted Snow



How Do We Collect Aerosol Information from the Air?



Air Sampling (Aerosols)

How big are these particles?

What are these particles made of?

 How many of these particles can form clouds?



What Have We Found Out So Far?



Helping Out With Other Research







What is it like to live and work on the Greenland Ice Sheet?

- Sleeping
- Eating
- Working
- Camp size
- · 24 hours of sunshine!





How Does this Expedition Help Me As A Teacher?

- Learning About How Scientists in the Field Collect Data
- Learning about Current Climate Research
- Being a Model of Life-Long Learning
- Broadening The Horizons of Students



Ways to Use the PolarTREC website in your classroom



VISIT THE Virtual

Base Camp!





Polar Profiles





Upcoming PolarConnect Event!

Talk to Kevin McMahon and the research team live from the Atmospheric Conditions and Arctic Climate Expedition at Summit Station, Greenland!

More Information and Sign

DATE: Wednesday, 20 July 2011

Up!

