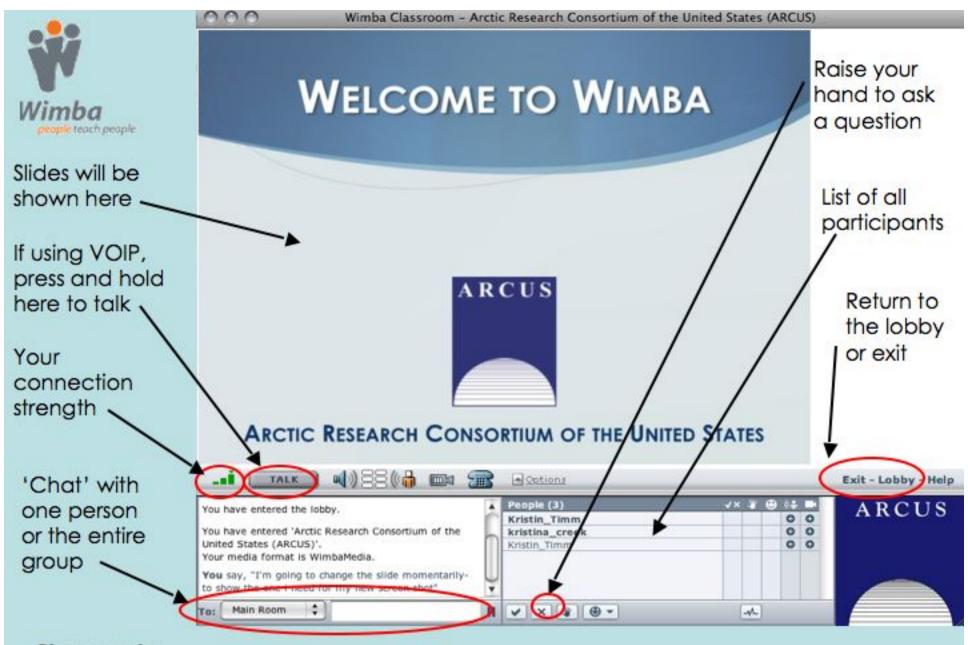
Welcome to PolarConnect!

With Michael League and the research team at McMurdo Station, Antarctica

29 September 2011



Please note:

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



Participant Introductions

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.



McMurdo Station, Antarctica

Who are you talking with?



Dr. Adam Marsh



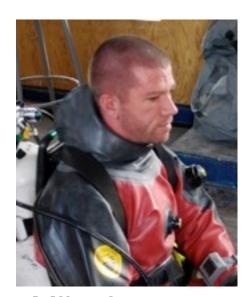
Stephanie Guida



Dr. Stacy Kim

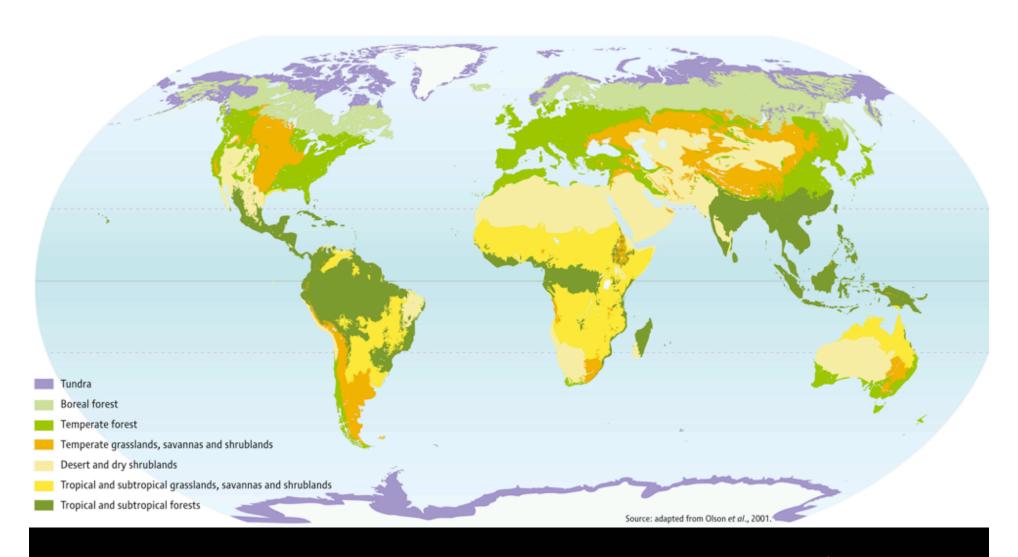


Annamarie Pasqualone



Mike League

What biome are we in?

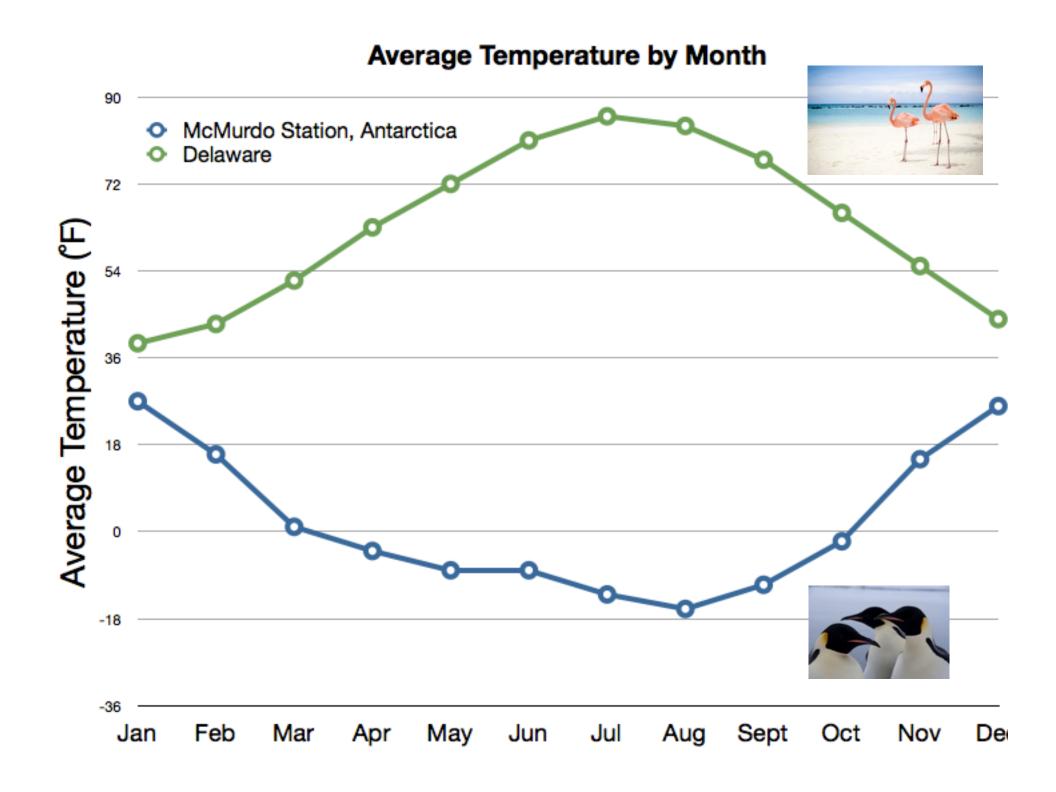


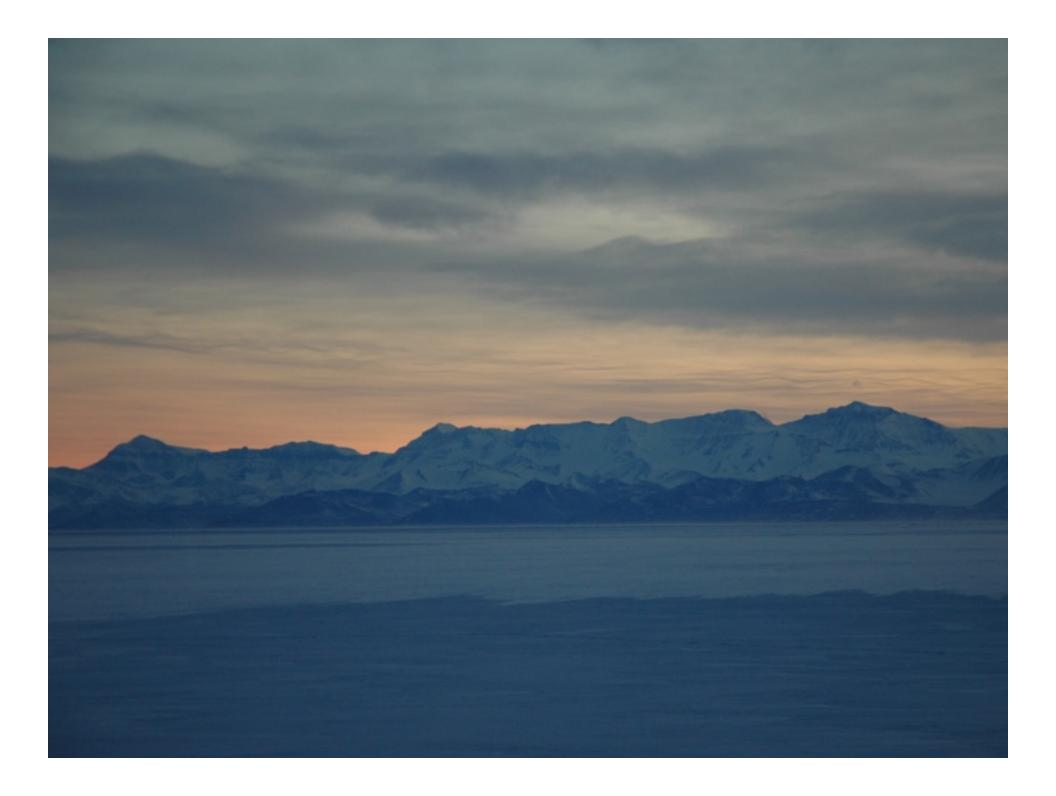
Where are we?







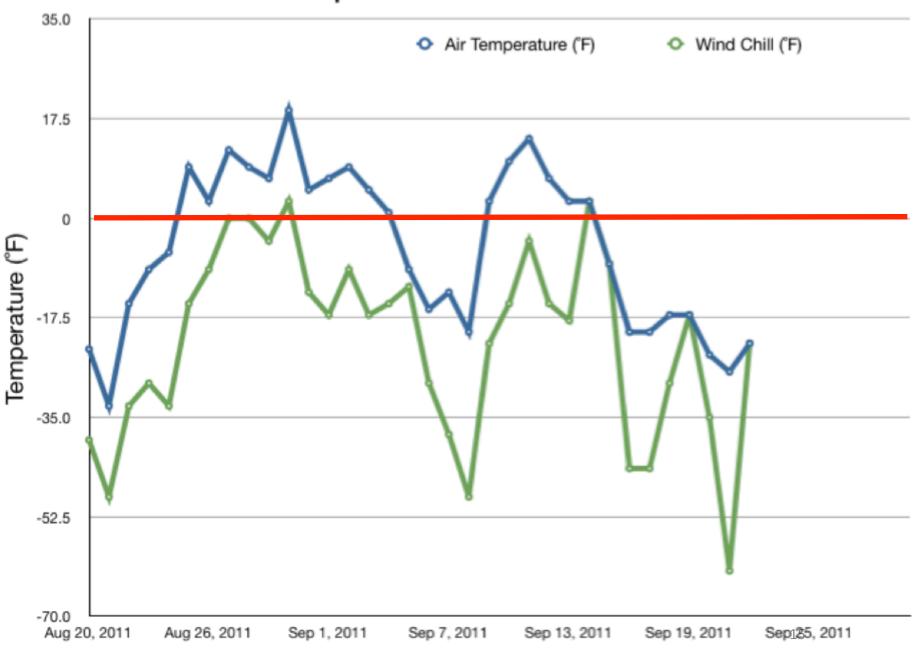




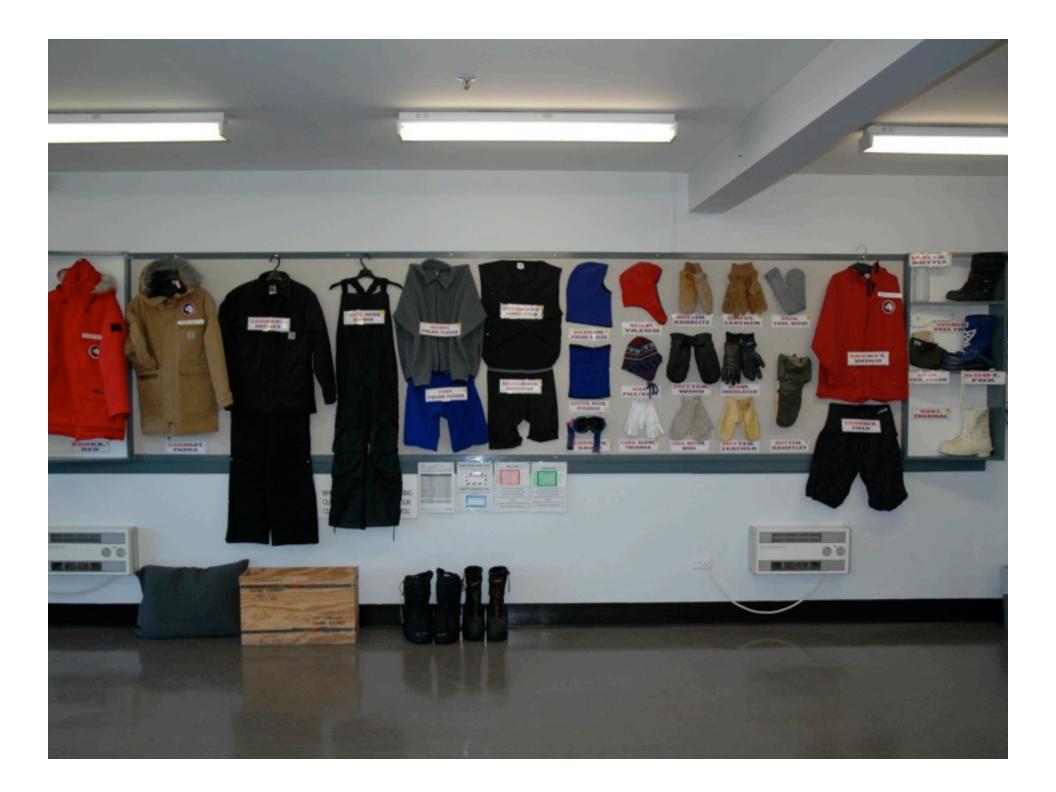




Air Temperature and Wind Chill versus Time







What are we doing in Antarctica?

We are studying marine worms that live in the sediment underwater around McMurdo Station. So far we have been:

Drilling holes in sea ice

SCUBA diving under ice

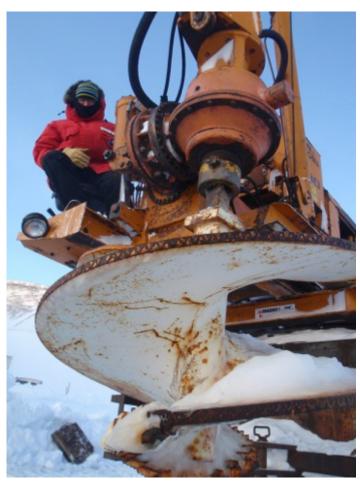
Collecting sediment

Sorting worms (Capitella) from sediment

Taking underwater photo and video

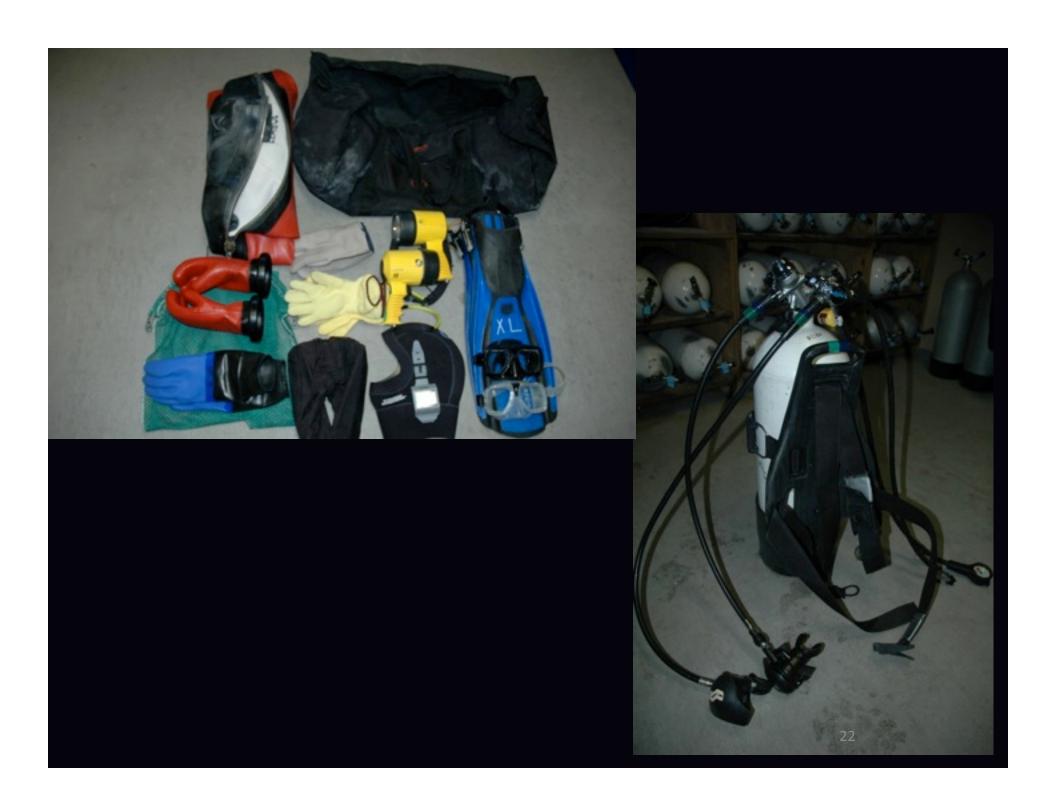




















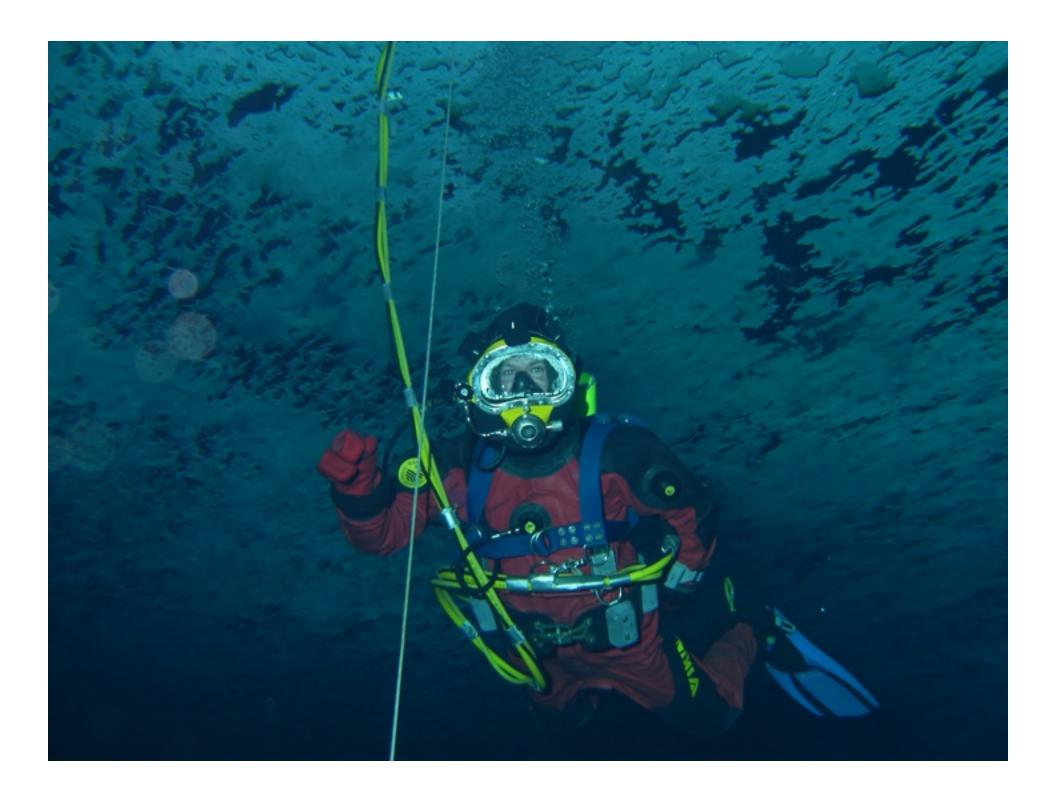




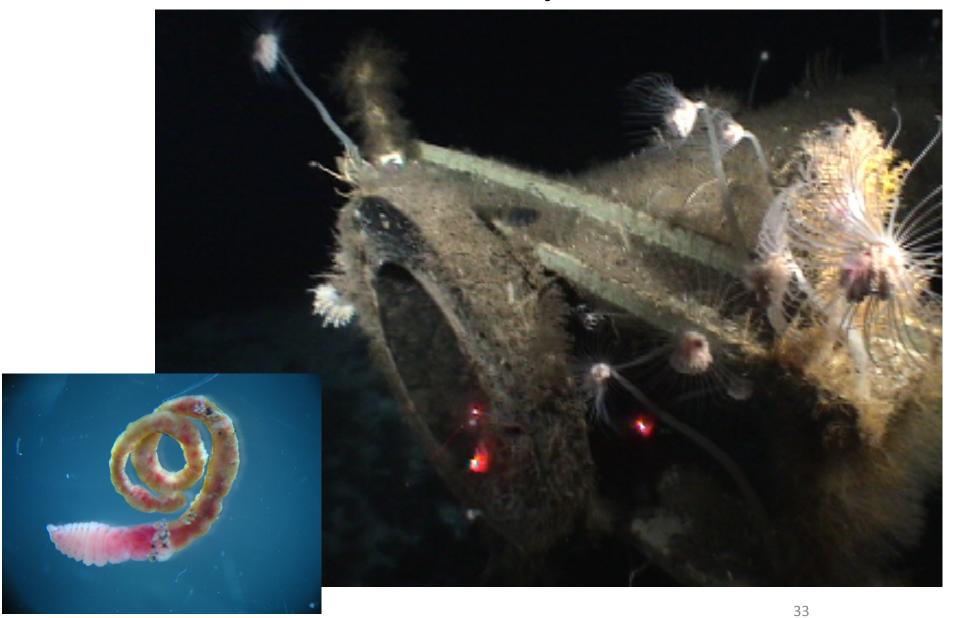








Human Impacts













What do we mean by "Adaptation"?

- a body structure (including DNA)
- a behavior
- a special skill or process

all allow an organism to succeed in its environment

 How is an organism successful? What does that mean?

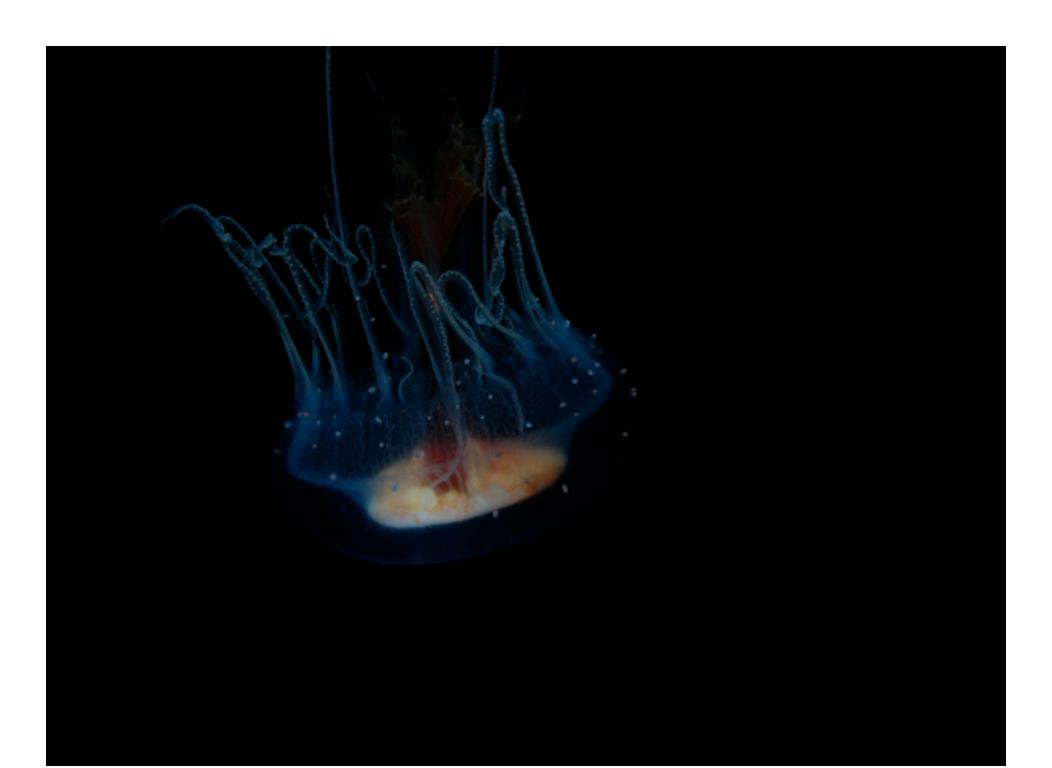


The sea urchins in this photo are as big as your hand. How big do you think this Antarctic sea star is?











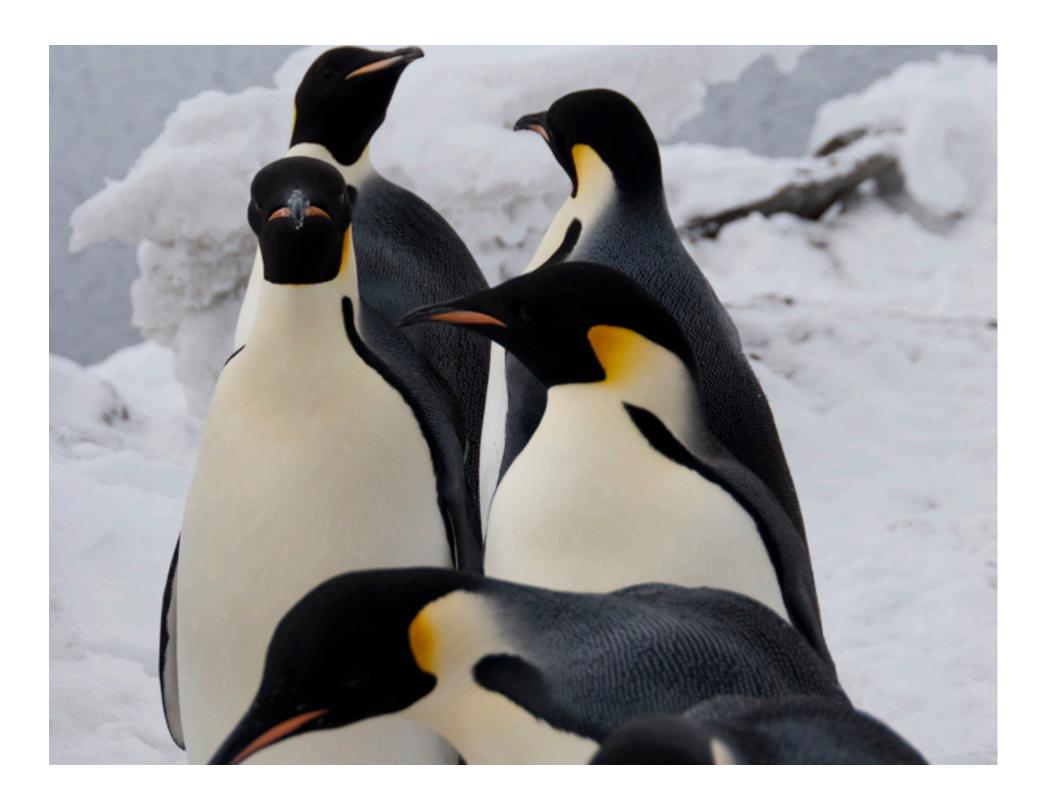










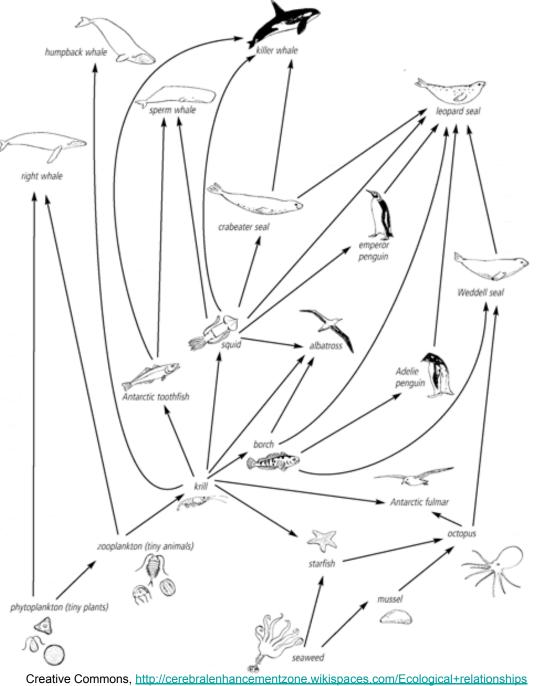


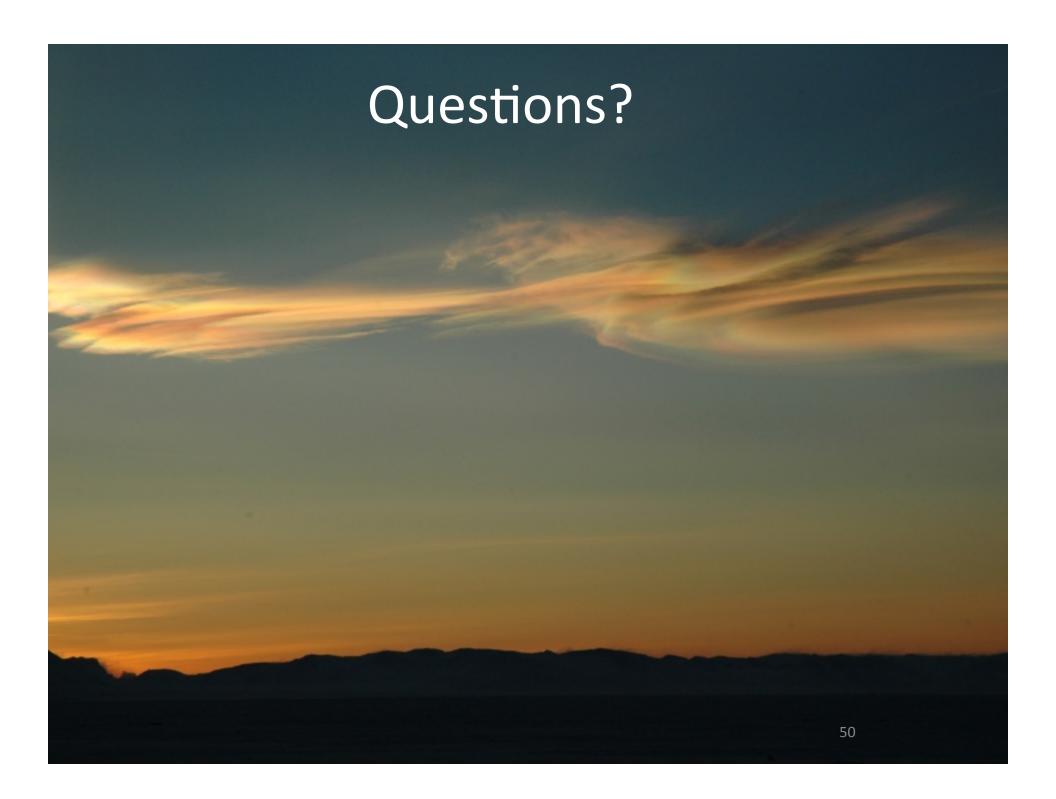
Food Webs

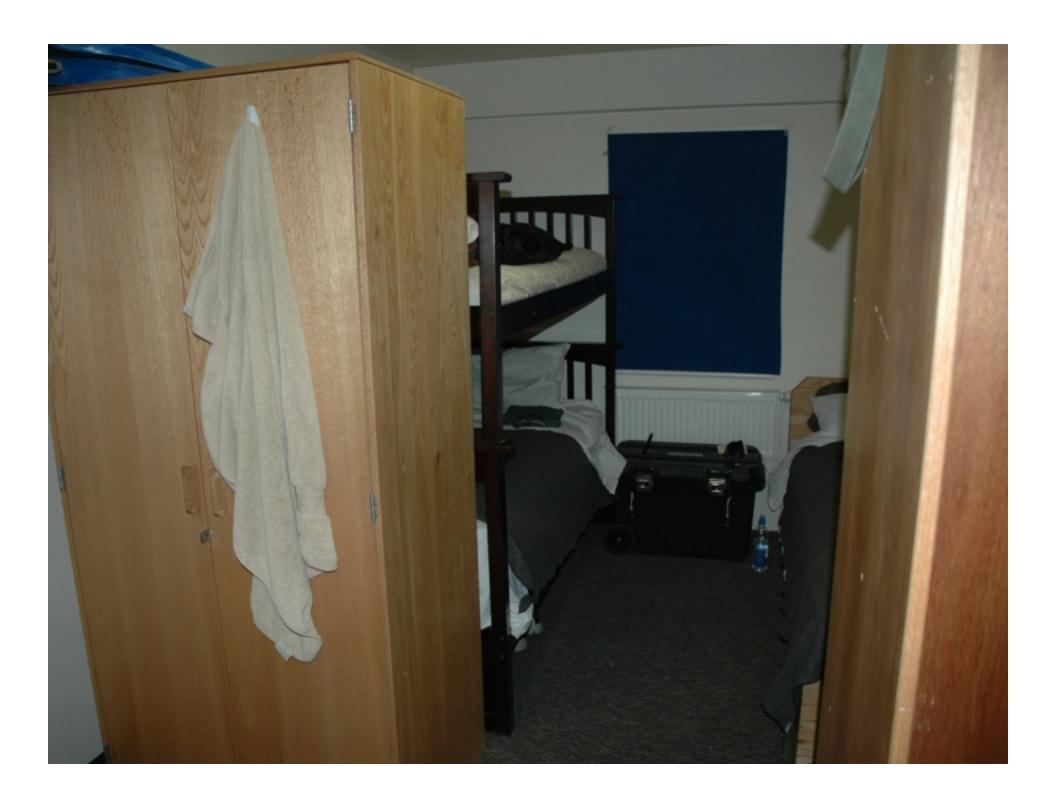
Food webs follow the flow of energy through an ecosystem

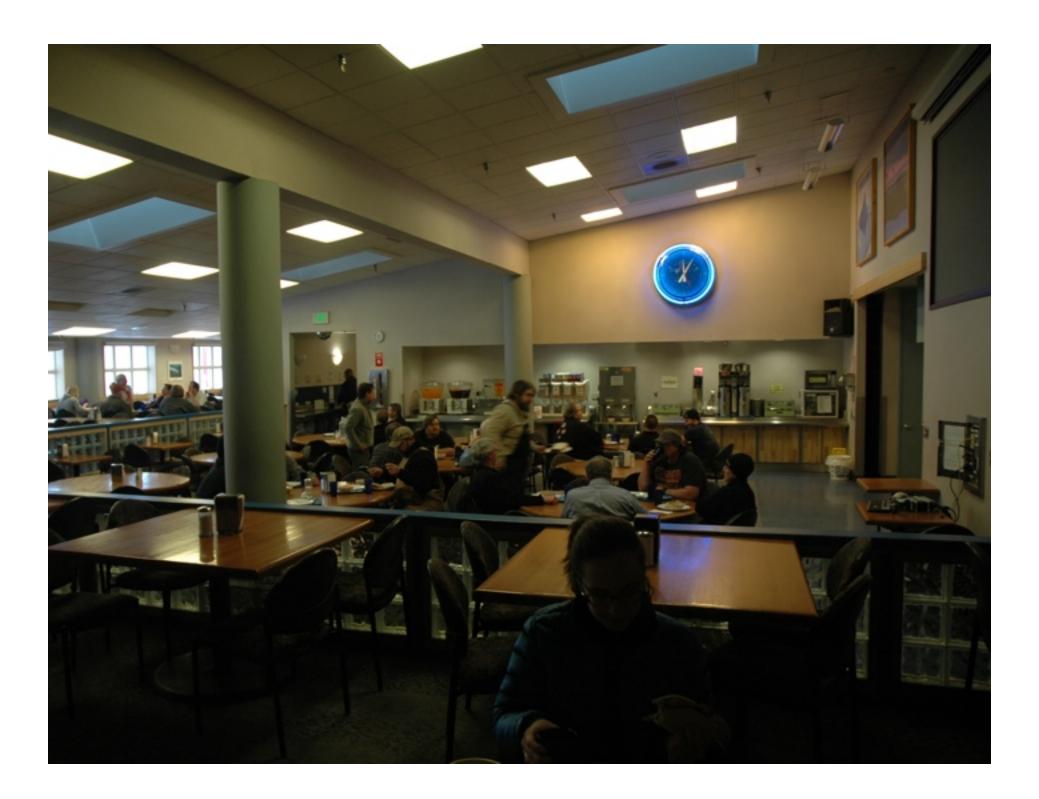
We look at who eats who in the ecosystem.

An Antarctic food web might look like this.













Communication = No Cell Phones









Teachers: Join PolarTREC!

Application Period: Monday, 1 August 2011 through Friday, 30 September 2011

www.polartrec.com/teachers

Upcoming Events

Watch for and register for upcoming events at www.polartrec.com!

Thank You!

An archive of the event will be available shortly. http://www.polartrec.com/polar-connect/archive

