

Welcome to ***PolarConnect***

With John Wood and the Carbon
Balance in Warming and Drying Tundra
Expedition

Monday 16 May 2011

12:00 pm AKDT

(1:00 pm PDT, 2:00 pm MDT, 3:00 pm CDT, 4:00 pm EDT)



WELCOME TO WIMBA



ARCTIC RESEARCH CONSORTIUM OF THE UNITED STATES

Raise your hand to ask a question

List of all participants

Return to the lobby or exit

Slides will be shown here

If using VOIP, press and hold here to talk

Your connection strength

'Chat' with one person or the entire group


TALK





Options

Exit - Lobby - Help

You have entered the lobby.

You have entered 'Arctic Research Consortium of the United States (ARCUS)'.
Your media format is WimbaMedia.

You say, "I'm going to change the slide momentarily- to show the one I need for my new screen shot"

To: Main Room

People (3)

Kristin_Timm	⊖ ⊕
kristina_creek	⊖ ⊕
Kristin_Timm	⊖ ⊕

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:

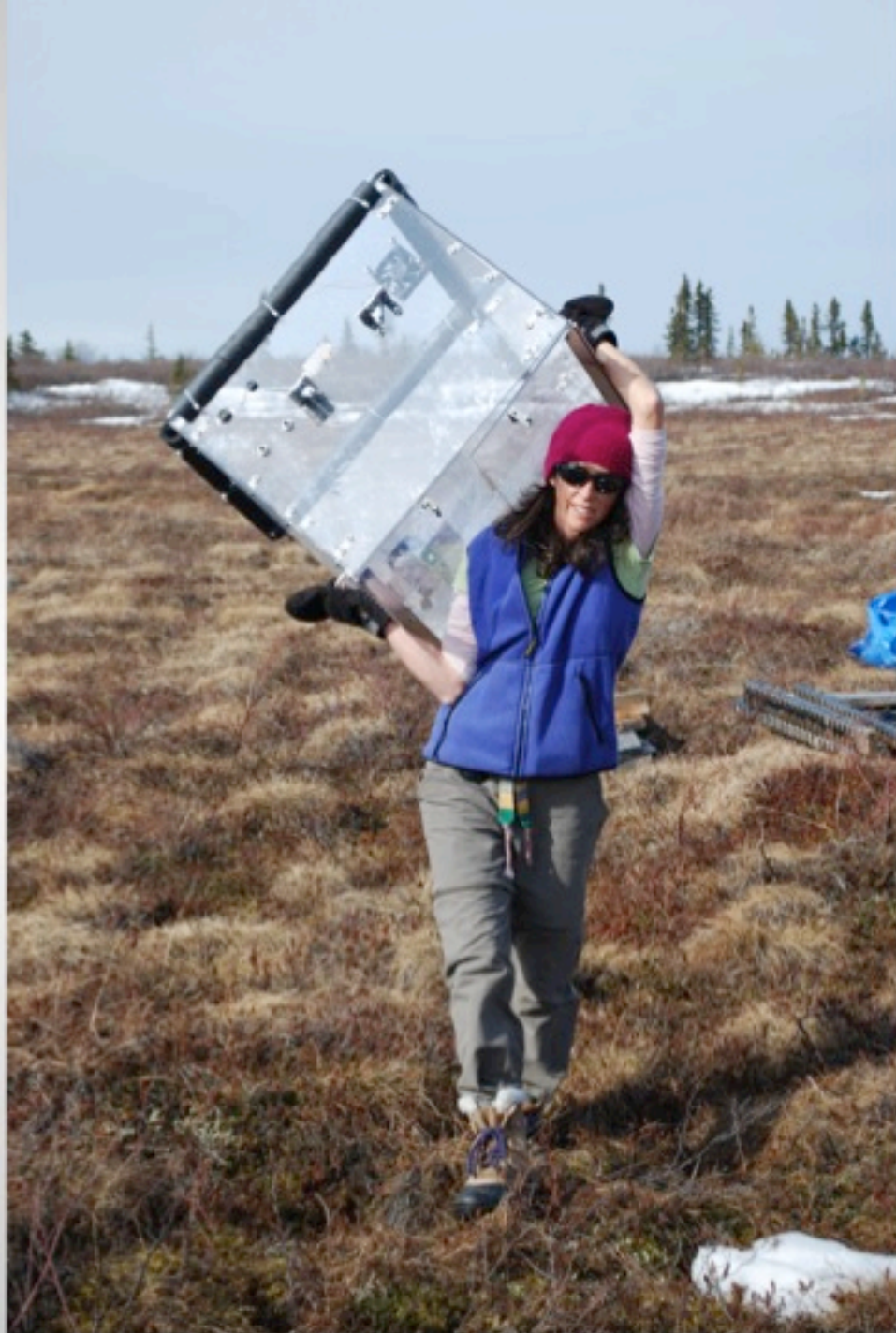
- ✓ Raise your hand with the “hand button”
- ✓ Type your question in the text chat box
- ✓ Speak loud and clear and directly into the phone to ask your question.



Carbon Balance in Warming and Drying Tundra

Dr. Susan Natali

University of Florida
NSF Polar Programs Fellow





John Wood

PolarTREC Teacher

Talbert Middle School

Fountain Valley School District

A man with a mustache, wearing a grey beanie and an orange Marmot jacket, stands in a snowy forest with his arms outstretched. The background is filled with tall evergreen trees under a clear blue sky. The text "WHERE ARE WE?" is overlaid in a blue, outlined font across the center of the image.

WHERE
ARE WE?





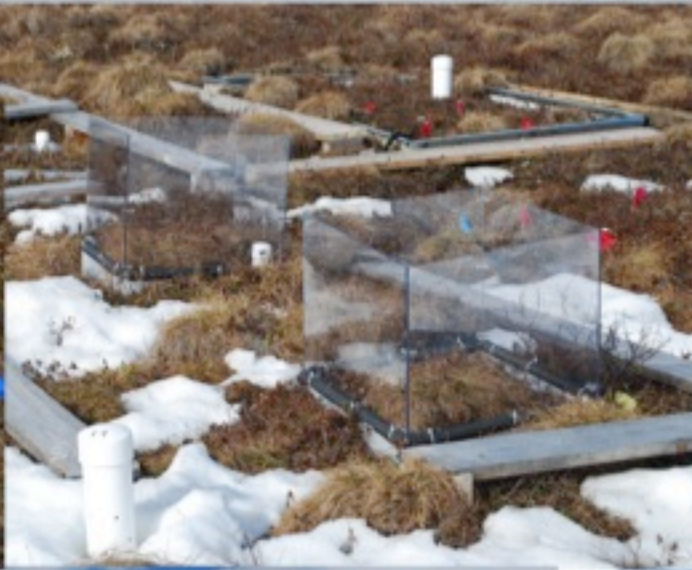
Welcome To

HEALY

Home sweet home



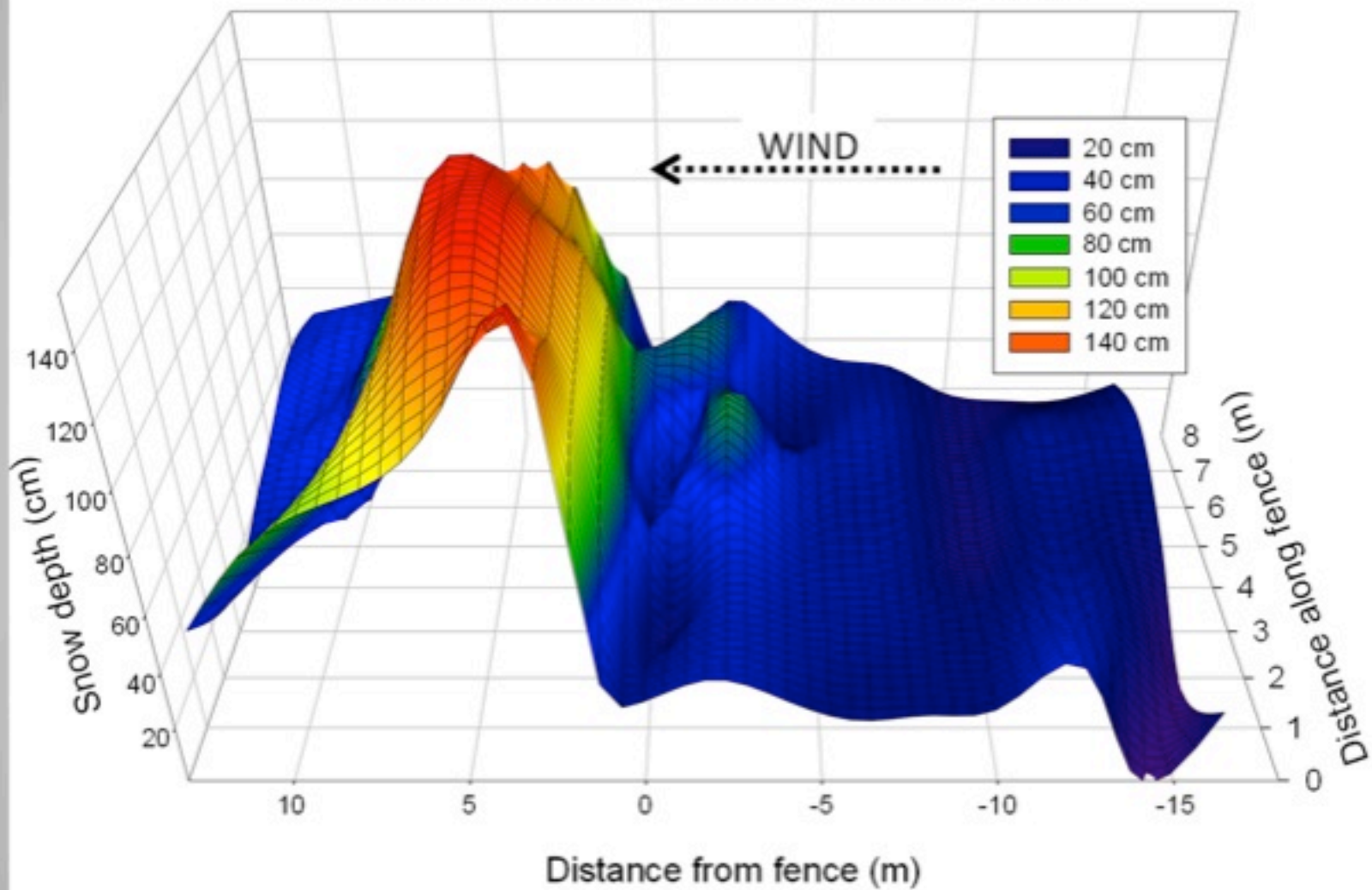


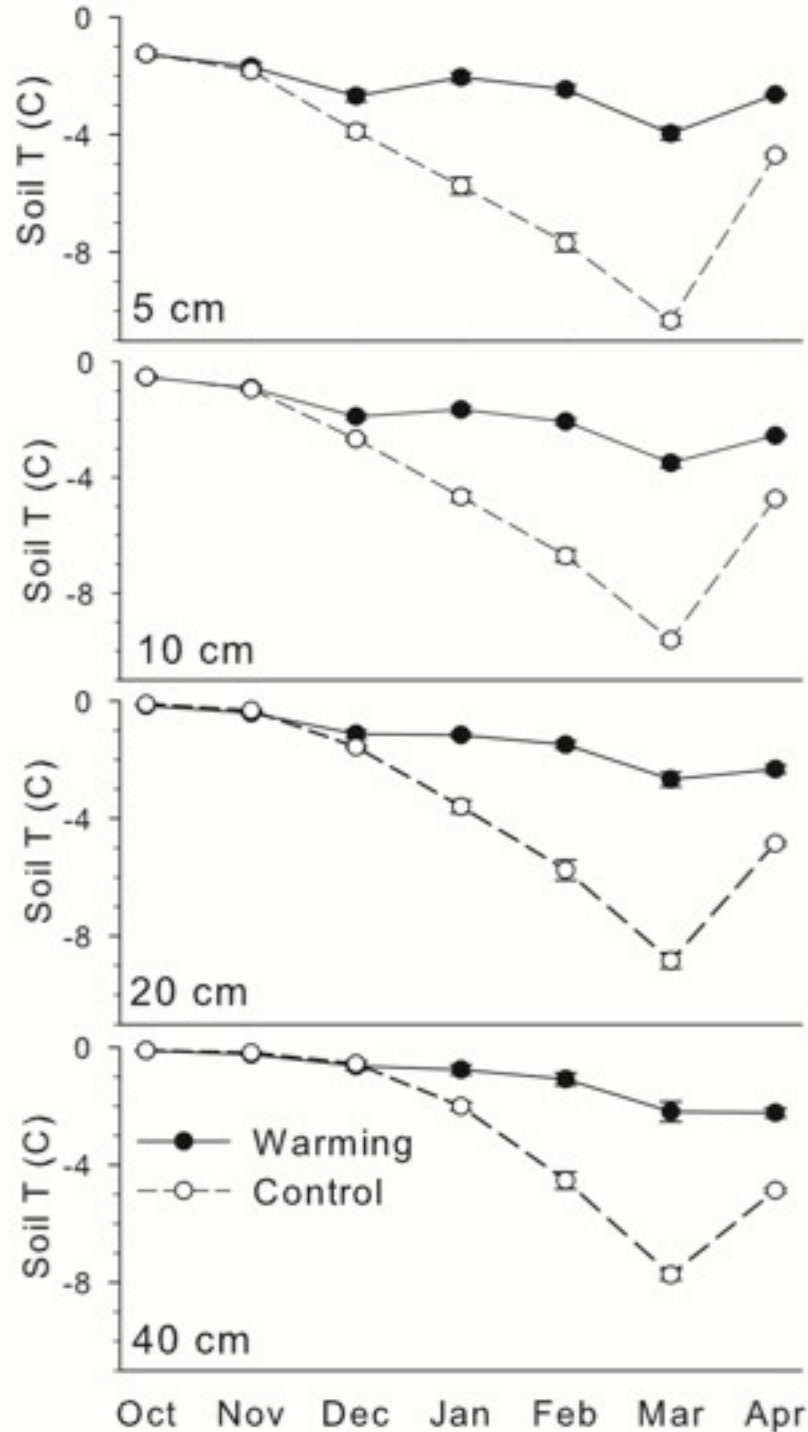


Winter Warming Experiments



CiPEHR 2011 Snow cover: Site A, snow fence 2

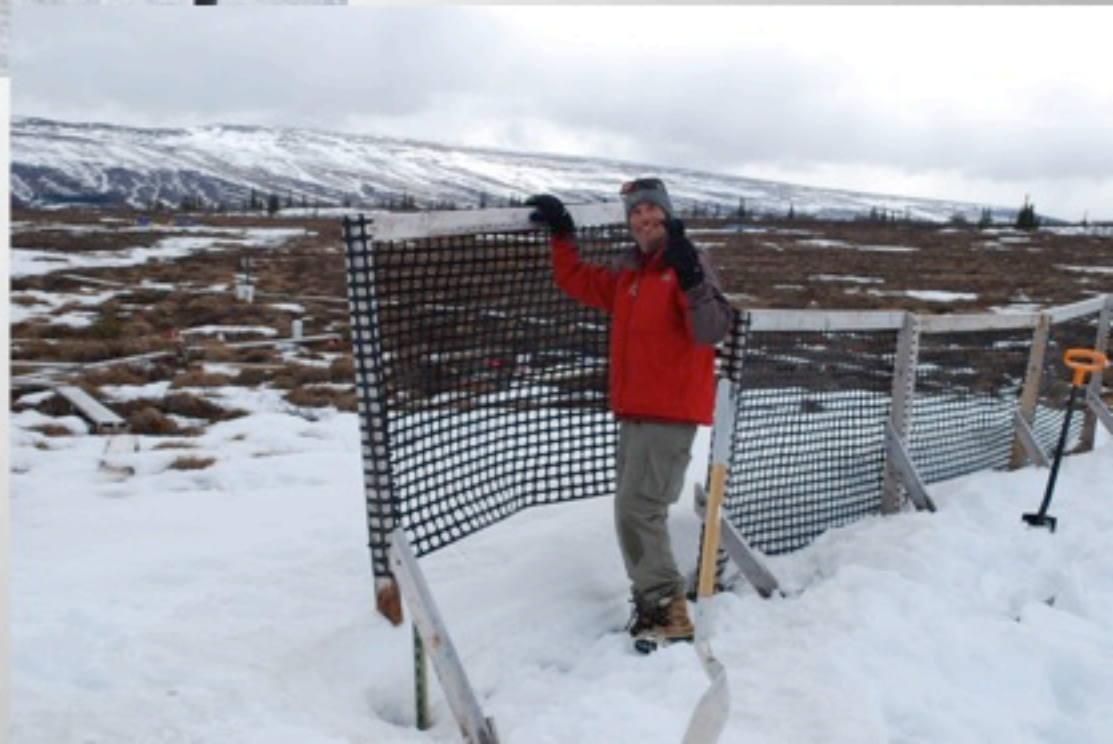




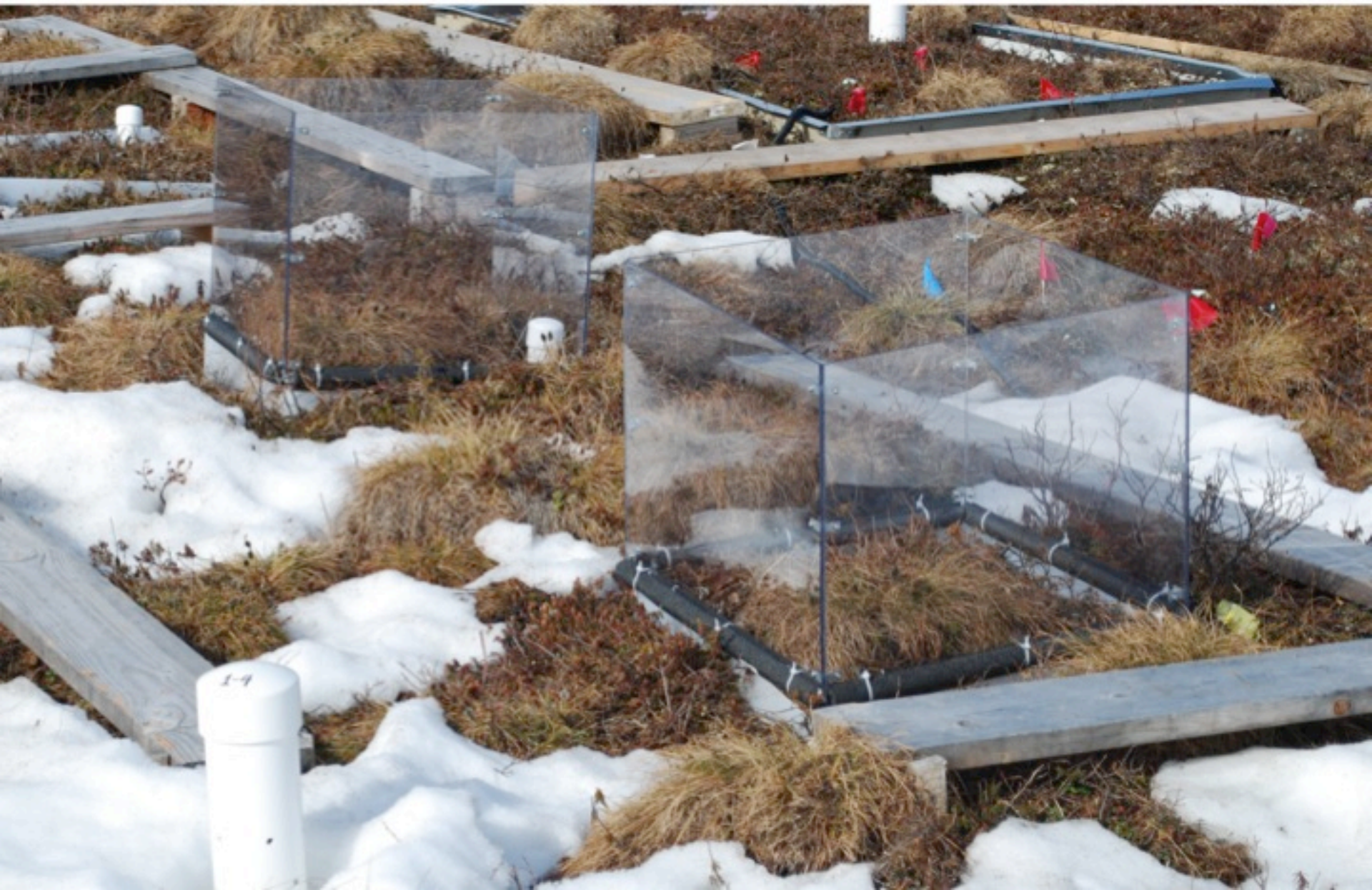


Removing the snow

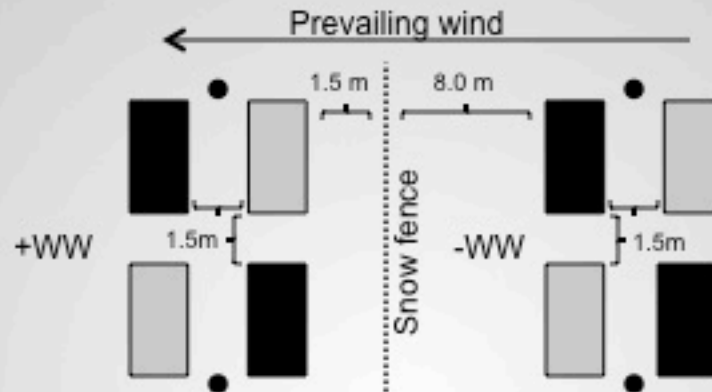
Taking the fence down



Summer Warming Experiments







At each site there are 4 plots

+WW = winter warming side

-WW = no winter warming (control)

 = Summer warming plots

 = No summer warming (control)

What is happening with the Carbon Balance?

- Historically tundra is a carbon sink.
- Arctic temperatures have been increasing
- Warmer temps. increase decomposition
- Warmer temps. increase photosynthesis

How will carbon uptake and loss balance in a warmer world?

- No net change in summer warming, winter warming showed a net loss of carbon.

What is Tundra?













What do you do for fun?









UAF
UNIVERSITY OF ALASKA
FAIRBANKS



Thanks for supporting
our expedition!

HAVE
A
NICE
DAY

Questions

To Ask a Question:

- ✓ Raise your hand with the “hand button”
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- ✓ Speak loud and clear and directly into the phone to ask your question.

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.polar-trec.com/polar-connect/archive>

