

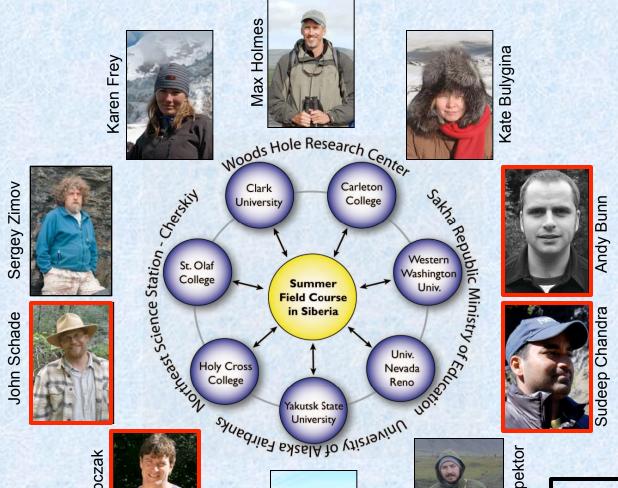


- Polaris Project Overview
- Why Siberia?
- Why the Northeast Science Station, Cherskiy, Siberia?
- Summer 2008 Polaris Project Field Course
- The 2009 Field Course



# The Polaris Project www.thepolarisproject.org





Bill Sobczak

Katey Walter

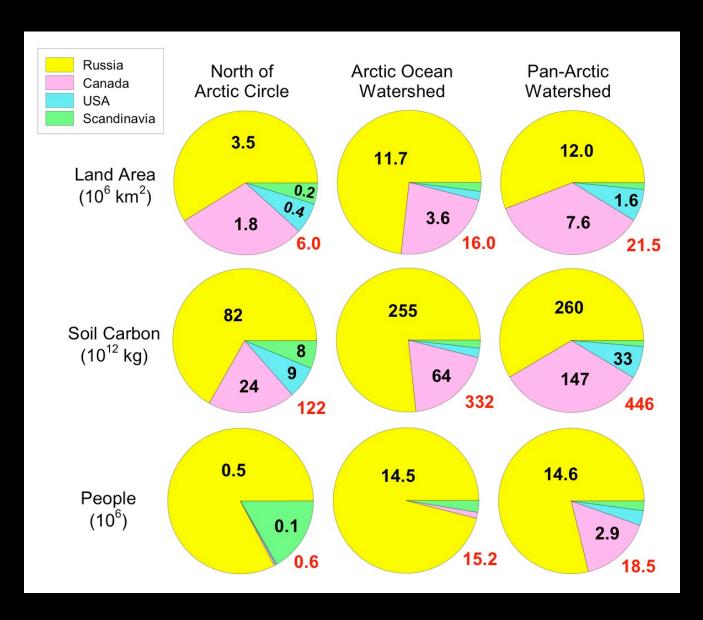
Valentin Spektor

**Assessment** Jo Beld, St. Olaf

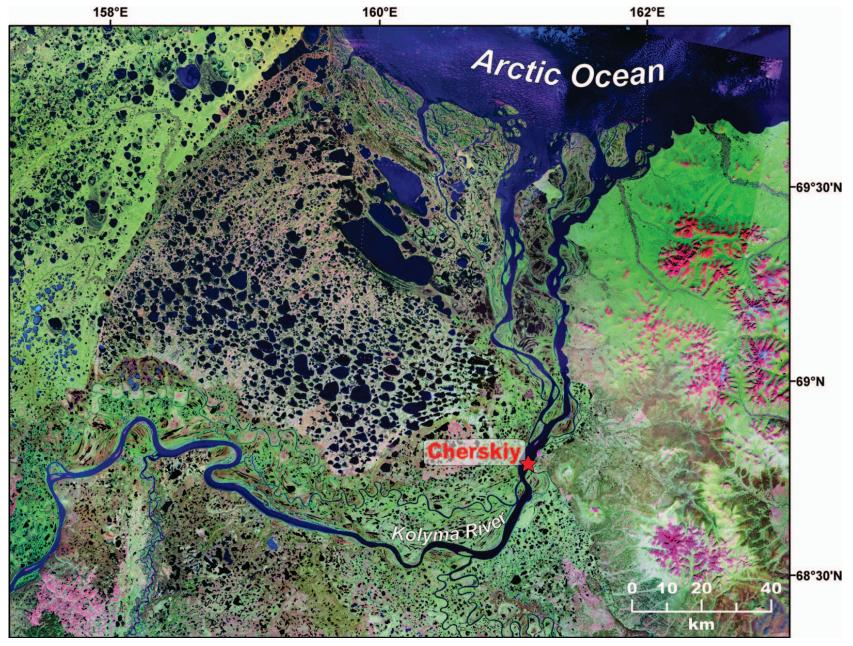
# **Polaris Project Objectives**

- •Expose large number of undergraduates to Arctic System Science
- Provide authentic undergraduate Arctic research experienceIn Siberia!
- Attract and develop next generation of Arctic researchers
- "Convert" exceptional early career scientists
- Promote diversity in Arctic science and education
- Build international partnerships and collaborations
- Engage the public

# Why Siberia?



## Why the Northeast Science Station, Cherskiy, Siberia?



# The On-Campus Courses

| Institution     | Course                        | Instructor       | #        |
|-----------------|-------------------------------|------------------|----------|
|                 |                               |                  | Students |
| Clark Univ.     | Arctic System Science         | Karen Frey       | 32       |
| Western Wash.   | Climate Change                | Andy Bunn        | 35       |
| Holy Cross      | Arctic Ecosystem Ecology      | Bill Sobczak     | 12       |
| St. Olaf        | Arctic Ecosystem Ecology      | John Schade      | 20       |
| Yakut St. Univ. | General Geocryology           | Valentin Spektor | 11       |
| Univ. Nevada    | Biodiversity and Conservation | Sudeep Chandra   | 70       |
| Carleton        | Arctic System Science         | Max Holmes       | 12       |

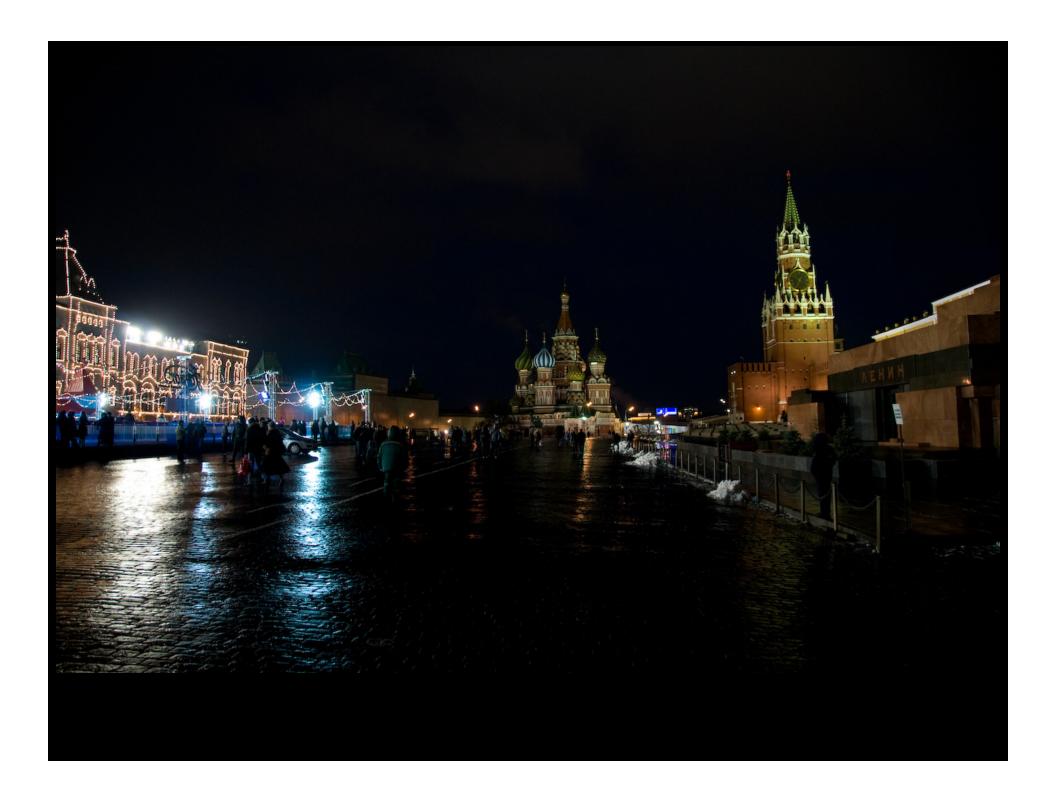
- About 200 students per year
- Course materials to be shared broadly

# The Field Course / Research Experience

(20 people, ~4 weeks)

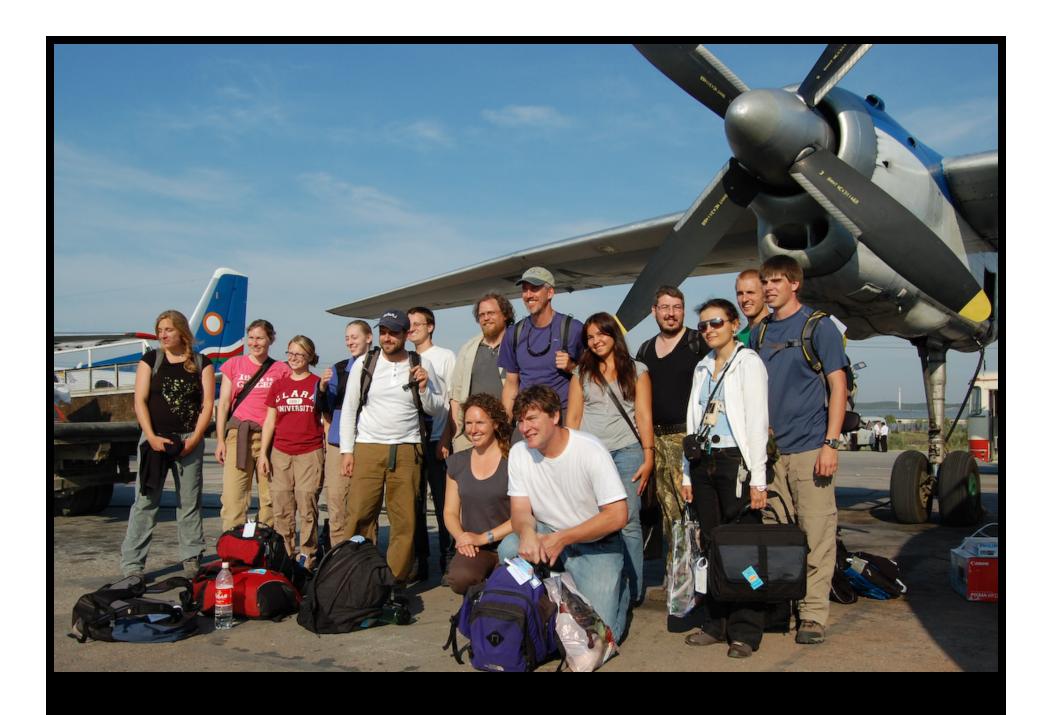


- •2008 Field Course: 24 applicants, 9 offers, all accepted
  - •7 US, 2 Russian; 6 female, 3 male; 2 Arctic indigenous
- •2009 Field Course: 45 applicants, 12 offers, all accepted
  - •10 US, 2 Russian; 7 female, 5 male; 2 Arctic indigenous



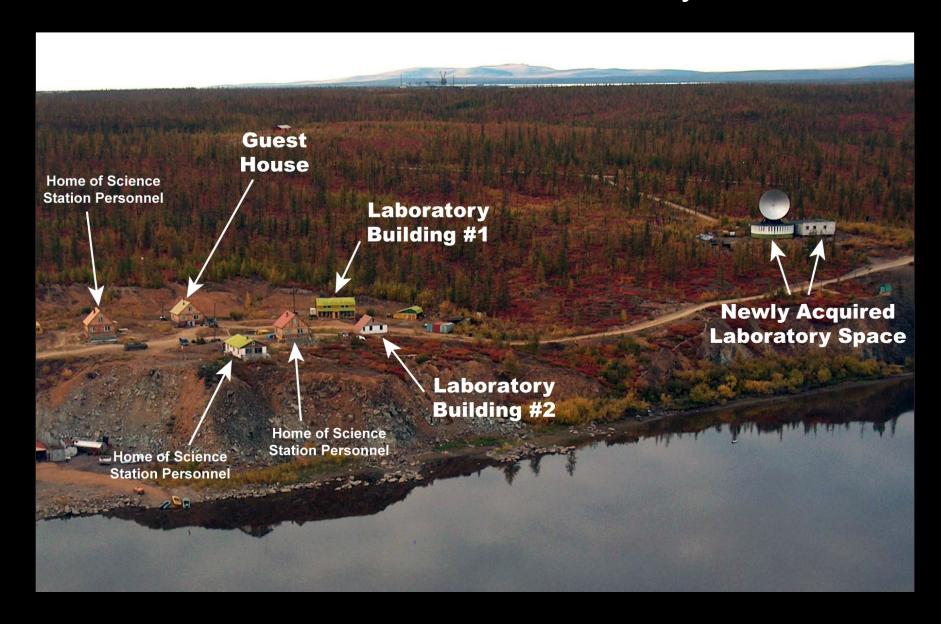




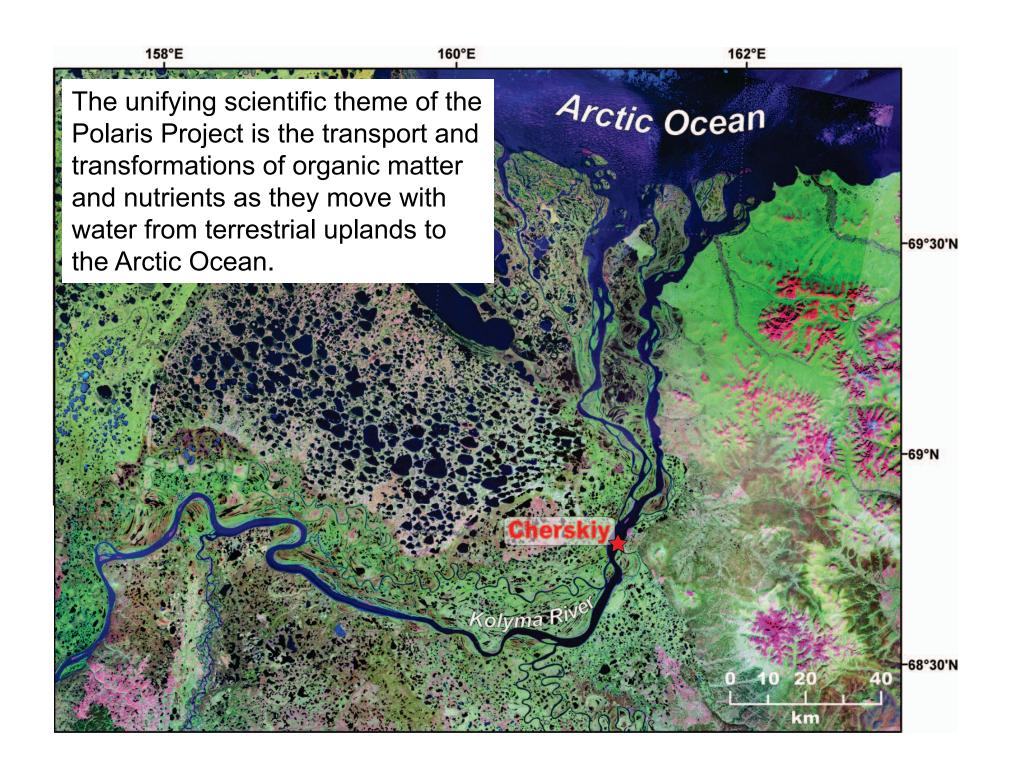




## Northeast Science Station, Cherskiy, Siberia







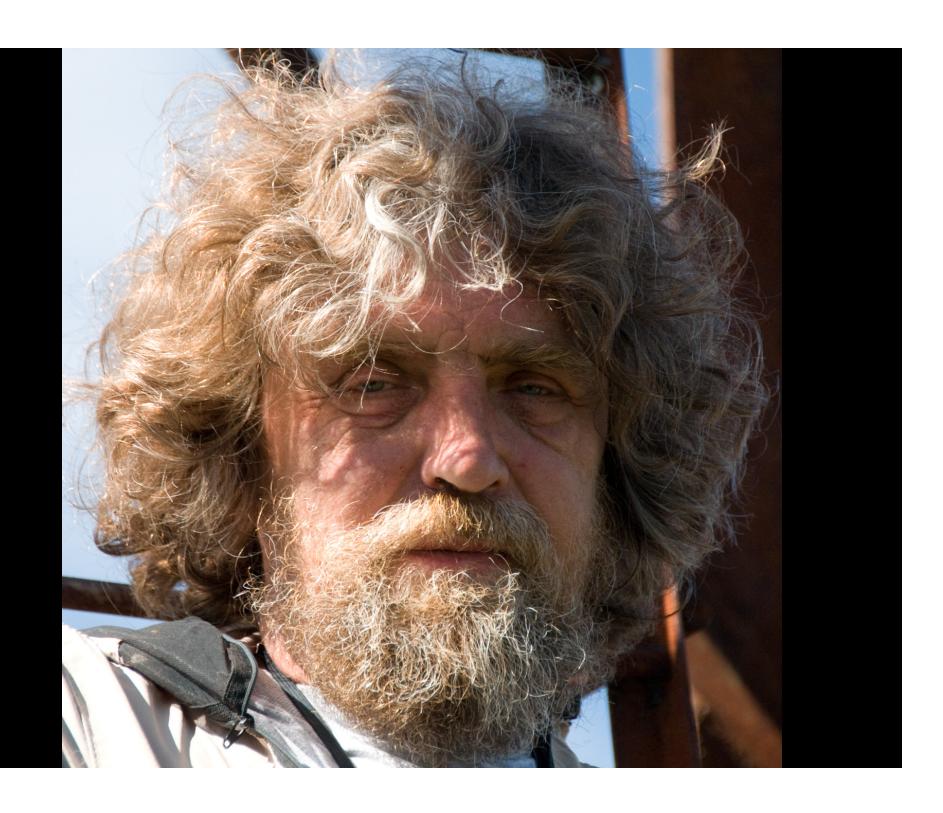












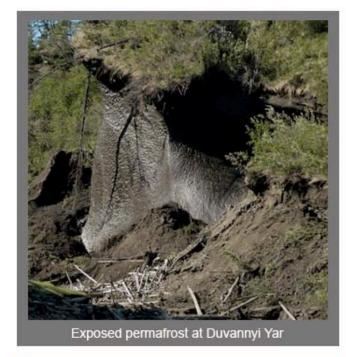
## American Geophysical Union

San Francisco, Dec. 2008







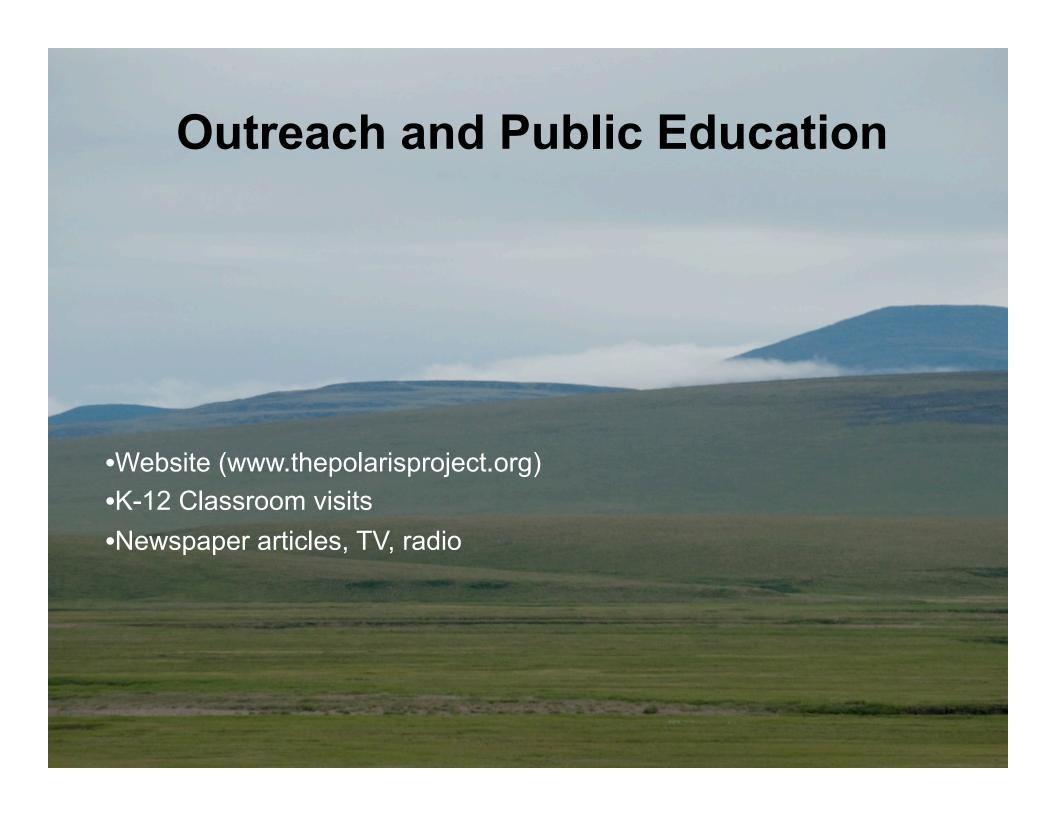


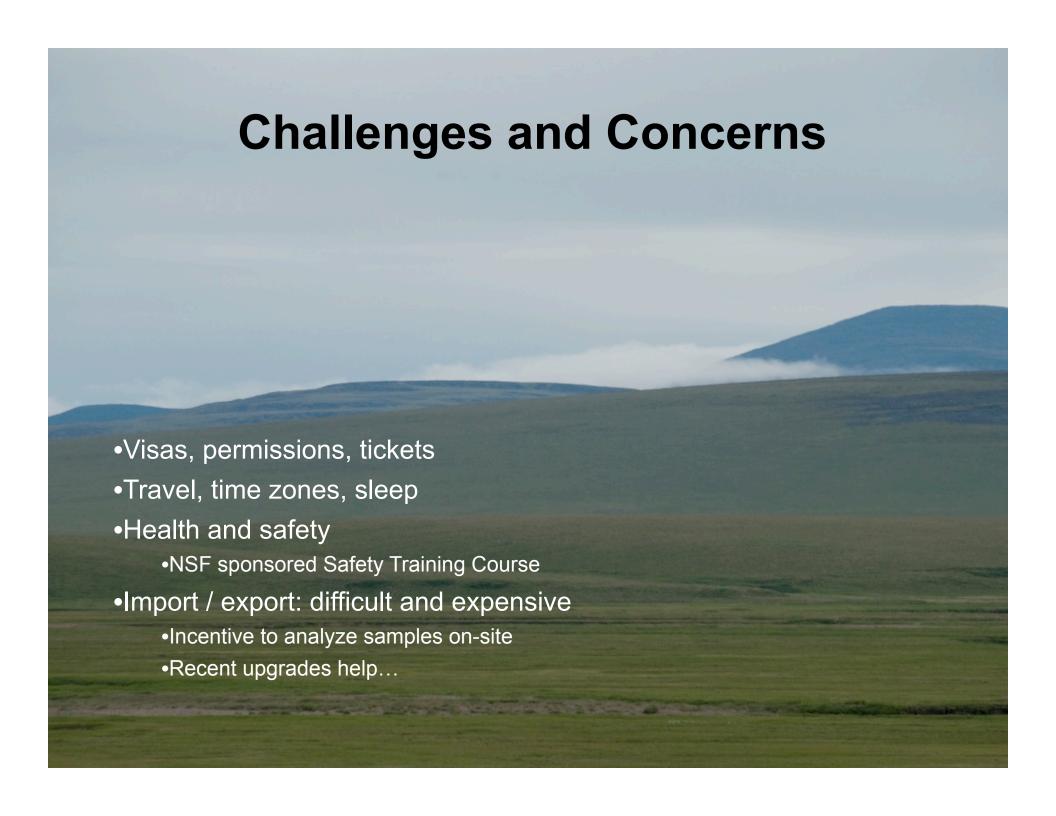
Polaris Project Blog Entries

#### The Polaris Project: Rising Stars in the Arctic

After "Are you crazy?", the most common question you'll get as a participant in the Polaris Project will likely be "Why would anyone want to go to the Siberian Arctic?". The answers will vary, but most will include a description of the Arctic's tremendous importance to Earth's climate system, a desire to understand how global warming is already impacting the region, an excitement about the diverse and fascinating cultures you'll be exposed to in Siberia, and yes, the draw of an almost unbelievable adventure that very few people ever get to experience.

The Polaris Project includes a <u>field course</u> and research experience for undergraduate students in the Siberian Arctic, several new arctic-focused undergraduate courses taught by project <u>scientists</u> at their home <u>institutions</u>, the opportunity for those scientists to initiate research programs in





## The Reward...

"The most important impact on my attitude was changing my thoughts about climate change from a passive process, one that happens far from me and will likely have little effect, to a reality that will undoubtedly affect much of the world."

"I definitely learned more about science and all aspects of it from this experience than I have ever learned in a classroom environment. I plan on continuing research of the Arctic."





#### **NEW STUDENTS**

Travis Drake and Moira Hough – Carleton College Blaize Denfeld and Claire Griffin – Clark University Brian Kantor and Erin Seybold – St. Olaf College Joanne Heslop – Univ. Nevada Reno Kayla Henson and Max Janicek – Western Wash. Univ. Olga Belina and Kirill Tretakov – Yakutsk State University

RETURING STUDENT
Boyd Zapatka – Clark University

#### Pls

Sudeep Chandra – Univ. Nevada Reno
Karen Frey – Clark University
John Schade – St. Olaf College
Bill Sobczak – Holy Cross College
Valentin Spektor – Yakut State Univ. / Melnikov Inst.
Kate Bulygina – Woods Hole Research Center

OTHER Chris Linder