

PI: Anne E. Hershey
Investigators: Chris M. Luecke, Carl Richards, Stephen C. Whalen, W. John O'Brien
Institution: U of NC Greensboro
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 0090202
Funding Dates: May 2001 to April 2004

PROJECT TITLE: Response of the Global Active Layer-Permafrost System to Climate:
CALM - The Circumpolar Active Layer Monitoring Program.

PI: Kenneth M Hinkel
Institution: University of Cincinnati
Funding Source: NSF- Office Of Polar Programs- Arctic System Science
Grant Number: 9732051
Funding Dates: March 1998 to February 2003

PROJECT TITLE: Collaborative Research: Spatial and Temporal Variability of Ground Temperature
and Thaw, Northern Alaska

PI: Kenneth M Hinkel
Institution: University of Cincinnati
Funding Source: NSF- Office of Polar Programs- Arctic System Science
Grant Number: 0094769
Funding Dates: January 2001 to January 2006

PROJECT TITLE: Hydrologic Response and Feedbacks to a Warmer Climate in Arctic Regions.

PI: Larry D. Hinzman
Investigators: Douglas J. Goering, Douglas L. Kane
Institution: University of Alaska Fairbanks
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9818066
Funding Dates: January 1999 to December 2002

PROJECT TITLE: Key Connections in Arctic Aquatic Landscapes

PI: John E. Hobbie
Investigators: Anne E. Giblin, Linda A. Deegan, Bruce J. Peterson
Institution: Marine Biological Laboratory
Funding Source: NSF - Office of Polar Programs - Arctic Natural Sciences
Grant Number: 9615949
Funding Dates: May 1997 to April 2002

PROJECT TITLE: LTER: The Arctic LTER Project: The Future Characteristics of Arctic Communities,
Ecosystems, and Landscapes.

PI: John E. Hobbie
Investigators: Bruce B. Peterson, Gaius R. Shaver
Institution: Marine Biological Laboratory
Funding Source: NSF - Division of Environmental Biology - LONG TERM ECOLOGICAL RESEARCH
Grant Number: 9810222
Funding Dates: December 1998 to November 2004

PROJECT TITLE: The Response of Carbon Cycling in Arctic Ecosystems to Global Change: Regional and Pan-Arctic Assessments
PI: John E. Hobbie
Investigators: Mathew Williams, Edward B. Rastetter
Institution: Marine Biological Laboratory
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9732281
Funding Dates: April 1998 to April 2003

PROJECT TITLE: Aquatic Ecosystem Responses to Changes in the Environment of an Arctic Drainage Basin
PI: John E. Hobbie
Investigators: Anne E. Giblin, Linda A. Deegan, Bruce J. Peterson, Joseph J. Vallino
Institution: Marine Biological Laboratory
Funding Source: NSF - Office of Polar Programs - Arctic Natural Sciences
Grant Number: 9911278
Funding Dates: July 2000 to May 2005

PROJECT TITLE: Collaborative Research: Moist Acidic Versus Nonacidic Tundra: Why does the Vegetation Composition Differ and What Are The Consequences for Ecosystem Carbon Storage?
PI: Sarah E. Hobbie
Institution: U of Minnesota-Twin Cities
Funding Source: NSF - Office of Polar Programs - Arctic Natural Sciences
Grant Number: 9902695
Funding Dates: May 1999 to April 2002

PROJECT TITLE: Temporal Variation of Hydrology in the Alaskan Arctic.
PI: Douglas L Kane
Investigators: James P. McNamara, Larry D Hinzman, Carl S Benson
Institution: University of Alaska Fairbanks
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9814984
Funding Dates: November 1998 to October 2003

PROJECT TITLE: Turbulent Mixing, Internal Waves, and Intrusions: Effects on Resource Supply and Primary Productivity in Lakes
PI: Sally MacIntyre
Institution: University of California, Santa Barbara
Funding Source: NSF - Division of Environmental Biology - Ecosystem Studies
Grant Number: 0108572
Funding Dates: August 2001 to August 2006

PROJECT TITLE: Developing Process-Level Understanding of Controls on Belowground Carbon and Nutrient Dynamics in Tundra Ecosystems
PI: Knute J. Nadelhoffer
Investigators: Edward B. Rastetter

Institution: Marine Biological Laboratory
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9911681
Funding Dates: February 2000 to January 2005

PROJECT TITLE: Collaborative Research: Stochastic Variability of Seasonal Freezing and Thawing at Local, Regional and Hemispheric Scales Under Modern and Predicted Climate
PI: Frederick E. Nelson
Investigators: Oleg Anisimov
Institution: University of Delaware
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9907534
Funding Dates: September 1999 to August 2002

PROJECT TITLE: Collaborative Research: Spatial and Temporal Variability of Ground Temperature and Thaw, Northern Alaska
PI: Frederick E. Nelson
Institution: University of Delaware
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 0095088
Funding Dates: January 2001 to January 2006

PROJECT TITLE: Collaborative Research: Species Responses To Changes In Climate Across Arctic Gradients Using The North American ITEX Network (NATEX): Influences On Community and Ecosystem Processes.
PI: Steven F. Oberbauer
Institution: Florida International University
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9907185
Funding Dates: September 1999 to August 2002

PROJECT TITLE: Winter C-Flux in Arctic Ecosystems Under Changing Climate: Effects of Soil Carbon and Active Layer Dynamics.
PI: Chien-Lu Ping
Investigators: Vladimir E Romanovsky
Institution: University of Alaska Fairbanks
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9732731
Funding Dates: April 1998 to March 2003

PROJECT TITLE: Species-, Community-, and Ecosystem-Level Consequences of the Interactions Among Multiple Resources
PI: Edward B. Rastetter
Investigators: Gaius R. Shaver
Institution: Marine Biological Lab
Funding Source: NSF - Division of Environmental Biology
Grant Number: 0108960
Funding Dates: July 2001 to July 2004

PROJECT TITLE: Influence of Climate and Environmental Factors on the Thermal and Moisture Regimes of the Layer and Permafrost
PI: Vladimir E. Romanovsky
Investigators: Thomas E. Osterkamp
Institution: University of Alaska Fairbanks
Funding Source: NSF - Office of Polar Programs - Arctic Natural Science
Grant Number: 9870635
Funding Dates: July 1998 to June 2001

PROJECT TITLE: Winter C-Flux in Arctic Ecosystems Under Changing Climate: Effects of Soil Carbon and Active Layer Dynamics.
PI: Joshua P. Schimel
Institution: University of California Santa Barbara
Funding Source: NSF-Office of Polar Programs- Arctic System Science Program
Grant Number: 9731999
Funding Dates: April 1998 to March 2003

PROJECT TITLE: Turnover and Retention of Nitrogen in an Arctic Watershed: Links to Organic Matter Accumulation and Response to Climate
PI: Gaius R. Shaver
Investigators: Anne E. Giblin, Edward B. Rastetter, Knute J. Kadelhoffer
Institution: Marine Biological Lab
Funding Source: NSF - Division of Environmental Biology
Grant Number: 0089585
Funding Dates: September 2001 to August 2004

PROJECT TITLE: LTER Cross-Site: Interactions between Climate and Nutrient Cycling in Arctic and Subarctic Tundras
PI: Gaius R. Shaver
Investigators: Mathew Williams
Institution: Marine Biological Lab
Funding Source: NSF - Division of Environmental Biology
Grant Number: 0087046
Funding Dates: October 2000 to September 2003

PROJECT TITLE: Primary Production in Arctic Ecosystems: Interacting Mechanisms of Response to Climate Change
PI: Gaius R. Shaver
Institution: Marine Biological Lab
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 0096523
Funding Dates: January 2001 to January 2004

PROJECT TITLE: Collaborative Research: Modeling Hydrologic Processes in the Arctic: A Watershed Approach for Regional and Global Climate Models
PI: Marc Stieglitz

Investigators: Colin P. Stark
Institution: Columbia University
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 0002369
Funding Dates: September 2000 to August 2003

PROJECT TITLE: Collaborative Research: Snow, Weather and Shrubs: Winter Pathways of Change in the Arctic.

PI: Matthew Sturm
Institution: US Army CREEL
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9732077
Funding Dates: June 1998 to May 2003

PROJECT TITLE: Arctic and Alpine Treelines in Alaska: Controls on Performance of White Spruce - Implications for Global Change

PI: Bjartmar Sveinbjornsson
Investigators: Roger W. Ruess
Institution: U of Alaska Anchorage
Funding Source: Office of Polar Programs - Arctic Natural Science
Grant Number: 9978143
Funding Dates: September 1999 to August 2003

PROJECT TITLE: Arctic Climate Change, Substrate, and Vegetation

PI: Donald A. Walker
Institution: University of Alaska Fairbanks
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9908829
Funding Dates: September 1999 to April 2004

PROJECT TITLE: Collaborative Research: Species Responses to Changes in Climate Across Arctic Gradients Using the North America ITEX Network (NATEX): Influences On Community and Ecosystem Processes.

PI: Marilyn D. Walker
Institution: University of Alaska Fairbanks
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9907127
Funding Dates: September 1999 to August 2002

PROJECT TITLE: Forecasting Arctic Vegetation: The Interaction Between Surface Disturbance and Climate Change

PI: Patrick J. Webber
Institution: Michigan State University
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9906692
Funding Dates: August 1999 to July 2002

PROJECT TITLE: Comparative Responses of Moist and Dry Arctic Tundra to Altered Snow
Temperature Regimes
PI: Jeffrey M. Welker
Institution: University of Wyoming
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 9617643
Funding Dates: September 1996 to August 2001

PROJECT TITLE: Collaborative Research: Species Responses to Changes In Climate Across
Arctic Gradients Using the INTEX Network (NATEX) : Influences On Community
and Ecosystem Processes.
PI: Jeffrey M. Welker
Institution: University of Wyoming
Funding Source: NSF - Office of Polar Programs - Arctic system Science
Grant Number: 9907356
Funding Dates: September 1999 to August 2002

PROJECT TITLE: Collaborative Research: Winter C Flux in Arctic Ecosystems Under Changing
Climate: Effects of Soil Carbon and Active Layer Dynamics
PI: Jeffrey M. Welker
Jace T. Fahnestock, Michael H. Jones
Institution: University of Wyoming
Funding Source: NSF - Office of Polar Programs - Arctic System Science
Grant Number: 0196518
Funding Dates: August 2001 to May 2003

PROJECT TITLE: Control of Reproduction in Diverse Habitats
PI: John C. Wingfield
Institution: U of Washington
Funding Source: NSF - Division of Integrative Biology and Neuroscience
Grant Number: 9905679
Funding Dates: September 1999 to September 2003

PROJECT TITLE: High Latitude Breeding
PI: John C. Wingfield
Institution: U of Washington
Funding Source: NSF - Office of Polar Programs - Arctic Natural Science
Grant Number: 9911333
Funding Dates: June 2000 to May 2005