

2004 Arctic Forum | Meeting Agenda

Thursday, 13 May 2004 (Terrace East & West Rooms)

8:00 a.m. Continental Breakfast & Registration

8:30 a.m. Welcome and Introductions
Arctic Forum Co-Chairs:
Wieslaw Maslowski
Mark Serreze

OVERVIEW / SETTING THE STAGE

8:40 a.m. Background on Sea Ice and Arctic Climate
Mark Serreze
Cooperative Institute for Research in Environmental Sciences
University of Colorado

9:10 a.m. Local Observations of Recent Change
Warren Matumeak
Barrow, Alaska

UNDERSTANDING THE PHYSICAL ENVIRONMENT

9:40 a.m. Observations of Decreasing Sea Ice Cover from Satellites
Josefino Comiso
Goddard Space Flight Center
National Aeronautics and Space Administration

10:05 a.m. Weekly to Interannual Variations in the Sea Ice Draft Distribution at the North Pole Environmental Observatory
Richard Moritz
Applied Physics Laboratory
University of Washington

10:30 a.m. BREAK

10:50 a.m. Variations in the Age of Arctic Sea Ice and Summer Sea Ice Extent
Ignatius Rigor
Applied Physics Laboratory
University of Washington

11:15 a.m. The Rate and Causes of Arctic Sea Ice Melt: Modeling Perspective
Wieslaw Maslowski
Department of Oceanography
Naval Postgraduate School

11:40 a.m. The Arctic in Global Climate Models and Projections of Future Change
Gregory Flato
Canadian Centre for Climate Modelling and Analysis
Meteorological Service of Canada

12:05 p.m. LUNCH

1:35 p.m. The Role of Hydrology in Arctic Climate Change
Larry Hinzman
Water and Environmental Research Center
University of Alaska Fairbanks

2:00 p.m. The Role of Coastal Processes in the Arctic System
Volker Rachold
Alfred Wegener Institute for Polar and Marine Research

PAST AND POTENTIAL CONSEQUENCES

2:25 p.m. Déjà Vu: A Paleoenvironmental Look at Sea Ice Extent During Earlier Warm Periods
Julie Brigham-Grette
Department of Geosciences
University of Massachusetts

2:50 p.m. Carbon and Nitrogen Cycling and the Changing Arctic
Louis Codispoti
Center for Environmental Science
University of Maryland

3:15 p.m.	BREAK
3:35 p.m.	Changes in Arctic Sea Ice: What are the Consequences for Whales? <i>Robert Suydam</i> <i>Department of Wildlife Management</i> <i>Alaska North Slope Borough</i>
4:00 p.m.	Polar Bears, Seals, and Climate in Hudson Bay and the High Arctic <i>Ian Stirling</i> <i>Canadian Wildlife Service</i> <i>Environment Canada</i>
4:25 p.m.	Changing Marine Access in the Arctic Ocean <i>Lawson Brigham</i> <i>U.S. Arctic Research Commission</i>
4:50 p.m.	Security and International Relations <i>Robert Huebert</i> <i>Department of Political Science</i> <i>University of Calgary</i>
5:15 p.m.	Poster Session and ARCUS Annual Reception (State Room)
6:45 p.m.	Banquet and Special Presentation (Terrace East & West Rooms) <i>Special Presentation by Charles Wohlforth, author of</i> <i>"The Whale and the Supercomputer: On the Northern Front of Climate Change"</i>
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8:00 a.m.	Continental Breakfast & Registration
8:30 a.m.	Welcome and Introductions
	NORTHERN COMMUNITIES/HUMAN DIMENSIONS
8:35 a.m.	Impact of Climate Change on Alaska Native Communities <i>Patricia Cochran</i> <i>Executive Director, Alaska Native Science Commission</i>
9:00 a.m.	Human Dimensions Research: Rationale and Implementation <i>Bruce Forbes</i> <i>Arctic Centre</i> <i>University of Lapland</i>
9:25 a.m.	Student Award Paper: Shrub Increase in Northern Alaska Documented Using Repeat Aerial Photography <i>Kenneth Tape</i> <i>Geophysical Institute</i> <i>University of Alaska Fairbanks</i>
9:50 a.m.	BREAK
10:20 a.m.	Panel: Partnerships and Collaboration in Arctic Research Panelists: <i>Greg Flato, Canadian Centre for Climate Modeling and Analysis</i> <i>Julie Brigham-Grette, Department of Geosciences, University of Mass</i> <i>Ian Stirling, Canadian Wildlife Service, Environment Canada</i> <i>Patricia Cochran, Alaska Native Science Commission</i> <i>Bruce Forbes, Arctic Centre, University of Lapland</i> Moderator: <i>David Klein, Institute of Arctic Biology</i> <i>University of Alaska Fairbanks</i>

- 11:20 a.m. Final thoughts
Arctic Forum Co-Chairs:
Wieslaw Maslowski
Mark Serreze
- 11:35 a.m. Adjourn
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