

ARCUS

ARCTIC RESEARCH CONSORTIUM
OF THE UNITED STATES

COLLABORATION AND UNDERSTANDING IN ARCTIC MARINE ECOSYSTEMS: NETWORKING SCIENCE, LOCAL COMMUNITIES, EDUCATORS, AND STAKEHOLDERS TO EXCHANGE SEA ICE KNOWLEDGE

L. SHEFFIELD GUY, H.V. WIGGINS, R. RICH, B. TURNER-BOGREN, J. WARBURTON, AND S. BARTHOLOW

VISION

ARCUS envisions strong and productive linkages among international Arctic researchers, educators, communities, and other stakeholders that promote discovery and understanding of the Arctic and inform sound decisions related to the Arctic.

MISSION

ARCUS is a catalyst for interdisciplinary thinking, acting, and education leading to the development of highly collaborative partnerships.

ARCUS IN MARINE ECOSYSTEMS

The dramatic and rapid changes observed in the Arctic warrant a strategic and coordinated response. Collaboration across boundaries, including those between disciplines and institutions, is essential to leverage resources, provide holistic understanding, and develop adaptation strategies to address these changes. The Arctic Research Consortium of the United States (ARCUS) is a nonprofit membership organization with over 40 member institutions. For more than 25 years, ARCUS has served as a catalyst for interdisciplinary thinking, acting, and education leading to the development of highly collaborative partnerships. In Alaskan marine ecosystems, ARCUS has a variety of on-going projects that highlight these successful partnerships.



THE SEA ICE PREDICTION NETWORK - SIPN

This collaborative effort guided by a 13-member leadership team, coordinates and integrates sea ice predictions and communicates this knowledge to stakeholders.

THE SEA ICE OUTLOOK - SIO

A monthly forecast of the September sea-ice minimum during June, July, and August. The outlook is based upon contributed observations and models, synthesized by the leadership team, and published online. An in-depth post-season analysis is also produced each year to explore the major drivers of sea-ice and accuracy of prediction methods.

THE SEA ICE FOR WALRUS OUTLOOK - SIWO

A resource for Alaskan Native subsistence hunters and other interested stakeholders providing weekly reports, during April-June, of sea ice conditions relevant to walrus in the northern Bering and southern Chukchi seas.

POLARTREC

Connects researchers and K-12 teachers for hands-on field experiences. Teachers have joined research cruises in Alaska as part of the Bering Ecosystem Study and the Hanna Shoal Ecosystem Study, changing how they teach and communicate science. These educators continue to use the Arctic as a core part of their classroom teaching, and maintain ongoing collaboration with researchers.

STUDY OF ENVIRONMENTAL ARCTIC CHANGE - SEARCH

SEARCH actively engages the research community, funding agencies, and other stakeholders in coordination of and communication about Arctic observing efforts. The SEARCH Sea Ice Action Team is currently developing sea ice resources such as the Sea Ice Matters website.

MEMBERSHIP

Membership in ARCUS enables you to participate in the world's leading community promoting discovery and understanding of the Arctic and informing sound decisions related to the Arctic.

ARCUS members form the core of our extensive network, which enables increased understanding of this critical and dynamic region. Our members include organizations and individuals who are making valuable contributions to Arctic research.

Join ARCUS today in connecting people across boundaries to support communication, coordination, and collaboration in Arctic research.

Be a part of our team focused on understanding the changing Arctic.

There are membership opportunities for everyone:

ACADEMIC AND RESEARCH INSTITUTIONS

INDIGENOUS ORGANIZATIONS

CORPORATE ORGANIZATIONS

INDIVIDUALS

<https://www.arcus.org/>

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ARCTIC RESEARCH CONSORTIUM
OF THE UNITED STATES

3535 College Road, Suite 101
Fairbanks, Alaska 99709-3710 USA
Phone: 907.474.1600
Fax: 907.474.1604
INFO@ARCUS.ORG

