

Pacific Arctic Group (PAG): Perspective of ICARP III





Integrating Arctic Research a Roadmap for the Future

3rd International Conference on Arctic Research Planning
(ICARP III)



ICARP III

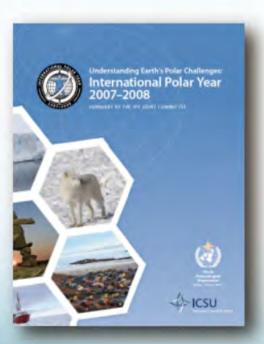
provides a framework to help:

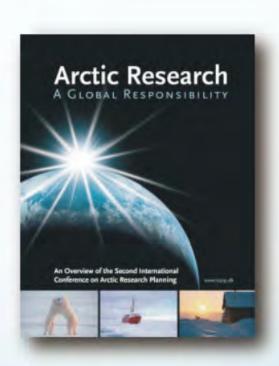
- identify Arctic science priorities for the next decade;
- coordinate various Arctic research agendas;
- inform policy makers, people who live in or near the Arctic and the global community;
- build constructive relationships between producers and users of knowledge.



Considering

the outcome of ICARP II and





the International Polar Year





Polar research: Six priorities for Antarctic science

Mahlon C. Kennicutt, Steven L. Chown, John J. Cassano, Daniela Liggett, Rob Massom, Lloyd S. Peck, Steve R. Rintoul, John W. V. Storey, David G. Vaughan, Terry J. Wilson & William J. Sutherland



Six priorities for Antarctic science

SIX SCIENTIFIC PRIORITIES

- Define the global reach of the Antarctic atmosphere and Southern Ocean.
- Understand how, where and why ice sheets lose mass.
- Reveal Antarctica's history.
- Learn how Antarctic life evolved and survived.
- Observe space and the Universe.
- Recognize and mitigate human influences.



ICARP III is

a process for:

- integrating priorities for forward-looking, collaborative, interdisciplinary Arctic research and observing;
- establishing an inventory of recent and current synthesis documents and major developments in Arctic research.



ICARP III does not

undertake the development of new science plans

Rather:

- ICARP III builds on the many comprehensive science plans that exist already;
- and compliments existing activities with processes to identify and fill gaps that may need attention.



Engaging

all partners, including funders, in shaping the future of Arctic research needs, ICARP III will:

- produce a consensus statement identifying the most important Arctic research needs for the next decade;
- provide a roadmap for research priorities and partnerships;
- identify potential contributions of Arctic research partners to the International Polar Partnership Initiative.



current ICARP III partners





International Council for the Exploration of the Sea

Seploration de la Mar



































The program

includes a series of meetings and events during 2014/15:

- starting with a formal launch at the Arctic Science Summit Week (ASSW) 2014 in Helsinki, Finland and
- culminating in a final conference during ASSW 2015 in Toyama, Japan.







PAG activities and topics in high priority to highlight in the ICARPIII planning process include:

- Data sharing and publications from international results of the DBO activities and continued development for full implementation of the DBO sites and identification of new sites in the East Siberian Sea, Beaufort Sea and Canada Basin-fall 2014 2nd DBO Data workshop
- Highlight studies in the western Chukchi/Canada Basin of physical oceanographic research programs, including continued development of a Chukchi Borderland/Arctic Basin Environmental Observing system
- Development of a coordinated sea ice/atmospheric sampling effort within the PAG
- Physical and ecosystem modeling of oceanographic and atmospheric data collected in the Pacific sector
- Highlights of the PAG synthesis activities (e.g., the Pacific Arctic region
 Springer synthesis volume, Deep-Sea Research II special issues from CHINARE,
 ARAON cruises, other publications and products



How can PAG participate in ICARP III?

- PAG works with a pan-Arctic perspective to promote synergies across the Arctic Ocean.
- PAG recognizes the value of the ICARP III as a means to identify and prioritize overarching Arctic science issues, and to improve international coordination of research agendas.
- PAG's ICARP III contribution as data sharing and publications from results of the Distributed Biological Observatory (DBO) and continued development and implementation of the project.
- PAG can provide a valuable dataset for ongoing research and development of cooperative synthesis in the Pacific and Atlantic marine sector.
- European research activity can complement PAG studies with its research in the Atlantic side of the Arctic. The PAG studies could also be integrated with programs such as MOSAiC etc.