



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.

ICARP III does not

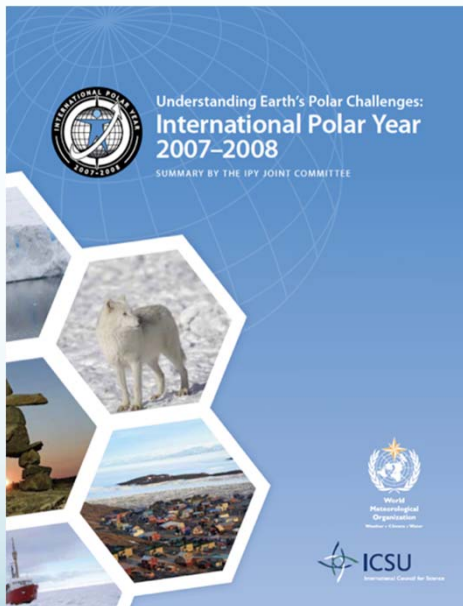
- ⊙ undertake the development of **new science plans**

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.

Considering

- ◎ the outcome of **ICARP II** and



- ◎ the **International Polar Year**

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.

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**.

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.



current **ICARP III Activities**

include workshops, writing team meetings, conference sessions, townhall meetings, outreach and capacity building events etc., organized around 4 themes and led by

- ◎ **IASC Working Group**
- ◎ **IASC Networks and Action Groups**
- ◎ **ICARP III Partner Organizations**

Theme: Climate System and Transformations

- Arctic snow cover changes and their consequences
- Seasonal Ice Cover in the Arctic Ocean: changes and consequences
- Greenland Ice Sheet / Ocean Interaction
- Quantifying Albedo Feedbacks and Their Role in the Mass Balance of the Arctic Terrestrial Cryosphere
- Linkage between Arctic Climate Change and Mid-latitude Weather Extremes
- Planning for MOSAiC – the Multidisciplinary drifting Observatory for the Study of Arctic Climate
- Arctic Freshwater Synthesis - Network and science integration
- Geology of the Arctic – A new synthesis
- Integrating spatial and temporal scales in the changing Arctic System: towards future research priorities (ISTAS)
- Townhall at 4th European Conference on Permafrost

Theme: Societies and Ecosystems

- **Permafrost Dynamics and Indigenous Land Use**
- **Culture and Arctic Climate Change - Integrating Long-Term Perspectives from Archaeology and the Environmental Sciences**
- **Rapid Arctic Transitions due to Infrastructure and Climate Change (RATIC)**
- **Arctic Coastal Communities Observatory Network (AC-CON)**
- **Townhall at 8th International Congress of Arctic Social Sciences**
- **Arctic Biodiversity Congress**
- **Arctic Science in Globalization: Beyond IPY 2007-2008**
- **Understanding Sustainability in the Arctic**
- **Community Consultation on Arctic Research Priorities**

Theme: Observing, Technology, Logistics, Services

- **4th European Marine Board Forum Arctic 2050 – Toward ecosystem-based management in a changing Arctic Ocean**
- **Technology and Innovation Session at Arctic Observing Summit**

Theme: Outreach and Capacity Building

- **APECS – Where are they now?**
 - **Permafrost Young Researchers Workshop**
- **ICARP III FrostBytes - Soundbytes of Cool Research**
- **Goals of ICARP III – the future of Arctic research from the early career researchers' point of view**

The process

is governed by a **Steering Committee** established
by the participating organizations



Participants of the first meeting of the ICARP III Steering Group in Potsdam, 9-10 September 2013.



current ICARP III partners



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Integrating Arctic Research: a Roadmap for the Future

3rd International Conference on Arctic Research Planning ICARP III

The Third International Conference on Arctic Research Planning (ICARP III) will provide a framework

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

ICARP III will not undertake the development of new science plans but rather build on the many comprehensive science plans that exist already and compliment those with processes to identify gaps that may need attention.

Considering the outcomes of ICARP II, the [International Polar Year](#), recent assessments and upcoming and new initiatives, it will be a process

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

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 and
- identify the potential and specific contributions of Arctic research partners to the [International Polar Initiative](#)

ICARP III is governed by a [Steering Committee](#) established by the [participating organizations](#). It will be structured along [scientific themes](#) and include a series of [events](#), culminating in a final conference at the Arctic Science Summit Week 2015.

