

### **Identifying Priorities for** International Arctic Research

Arctic Circle Assembly 2016 **Breakout Session:** 

#### **How to Connect with Research** across Boundaries

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## The Need for an Internationally Coordinated Arctic Research Planning Effort

- Rapid transformations are affecting the entire Earth system, including climate, economics and geopolitics
- Changes are challenging our understanding and our ability to provide knowledge for decision-makers
- > There is a sense of urgency and research challenges must be addressed in a coordinated and timely manner
- > ICARP III provided the process to integrate priorities for forward-looking, collaborative, interdisciplinary Arctic research and observing, addressing these challenges

















































#### Developing a Roadmap for Future Arctic Research

- ICARP III was an open process and welcomed more than
   20 international bodies
- It was not a single conference, but a series of events, between ASSW 2014 and ASSW 2015
- > Each partner contributed by organizing specific events and activities
- Working with people who live in or near the Arctic and building constructive relationships were key elements















































Integrating
Arctic Research a Roadmap
for the Future

3<sup>rd</sup> International Conference on Arctic Research Planning ICARP III















































# **Arctic Research Priorities for the Next Decade**

- > The Role of the Arctic in the Global System
- Observing and Predicting Future Climate Dynamics and Ecosystem Responses
- Understanding the Vulnerability and Resilience of Arctic Environments and Societies and Supporting Sustainable Development

















































#### **Overarching Messages**

- Communication: Facilitate science-policy knowledge transfer between research community and end-users
- Traditional and Local Knowledge: Greater effort to incorporate traditional and local knowledge and to engage northern and indigenous communities in setting priorities, co-designing and coproducing research
- Capacity Building: Build long-term human capacity among researchers, decision-makers and Arctic indigenous and nonindigenous residents





































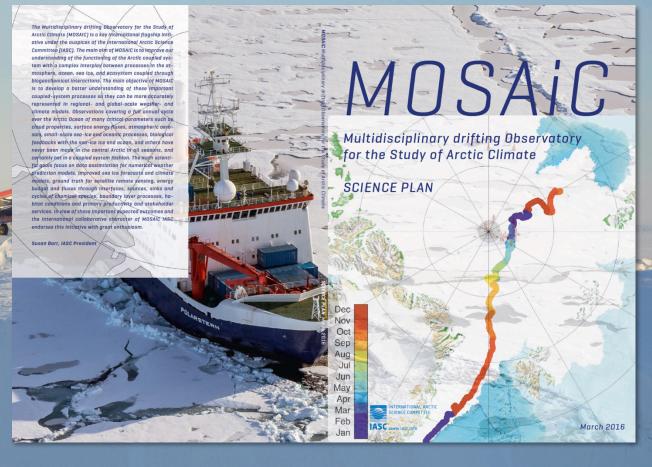






















































	ICARP III	US-led Arctic Science Ministerial	EU Arctic Policy
3R ON	The Role of the Arctic in the Global System	Arctic Science Challenges and their Regional and Global Implications	International Cooperation on Arctic Issues
	Observing and Predicting Future Climate Dynamics and Ecosystem Responses	Strengthening and Integrating Arctic Observations and Data Sharing	Climate Change and Safeguarding the Arctic Environment
	Understanding the Vulnerability and Resilience of Arctic Environments and Societies and Supporting Sustainable Development	Applying Expanded Scientific Understanding of the Arctic to Build Regional Resilience and Shape Global Responses	Sustainable Development in and around the Arctic
		Arctic Science as a Vehicle for STEM Education and Citizen Empowerment	



























































































