



International Polar Initiative

Looking Beyond the International Polar Year

David Hik, co-chair IPI Concept Steering Group



IPY Legacies

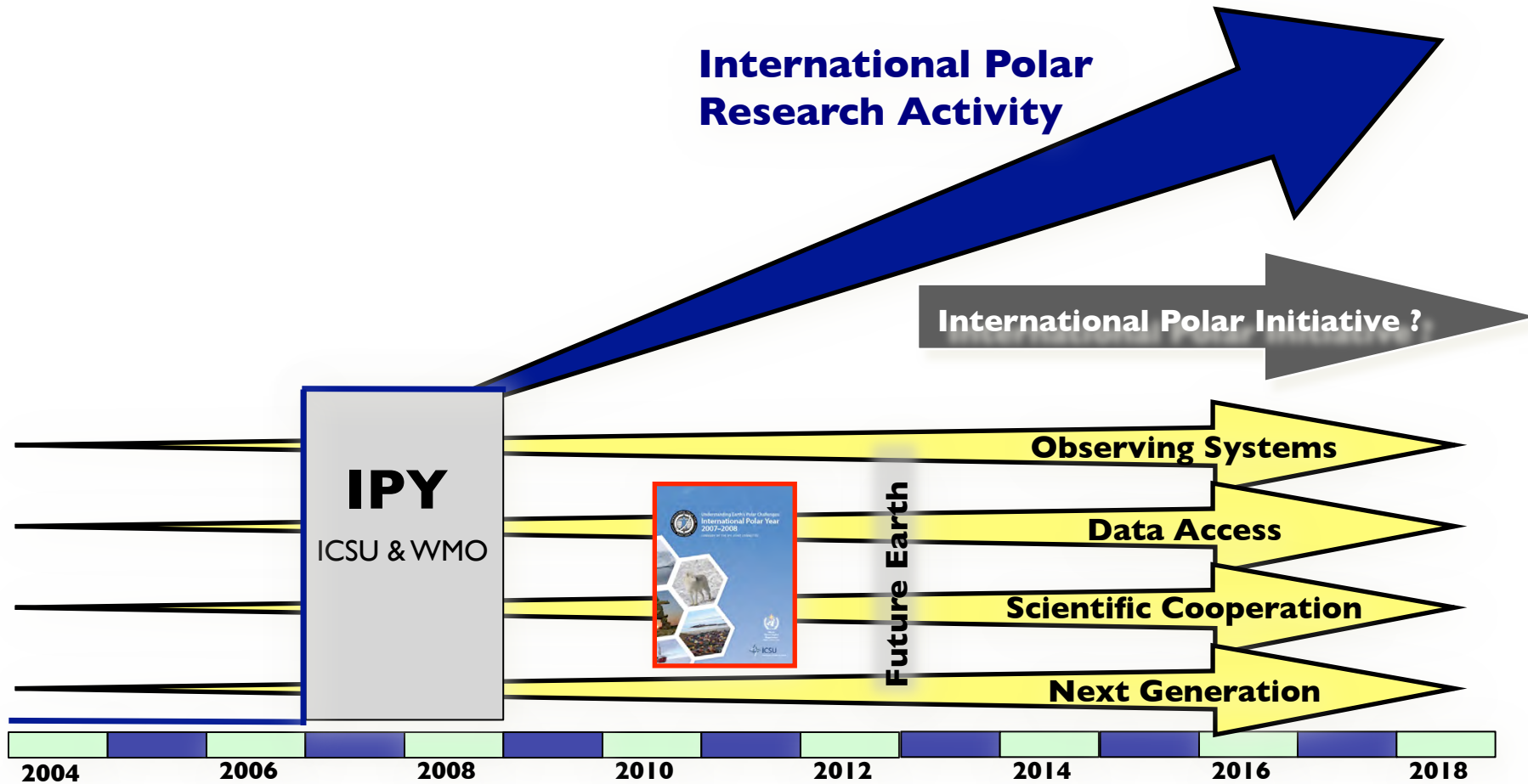


- **Scientific legacy:** observational systems and networks; technologies; baseline data sets; understanding of the Earth System.
- **Collaborative Legacy:** enhanced collaboration and joint funding; information sharing.
- **Human Legacy:** next generation of researchers and leaders; involvement of Arctic residents; public awareness and interest.

How can we sustain International Polar Research and Cooperation?



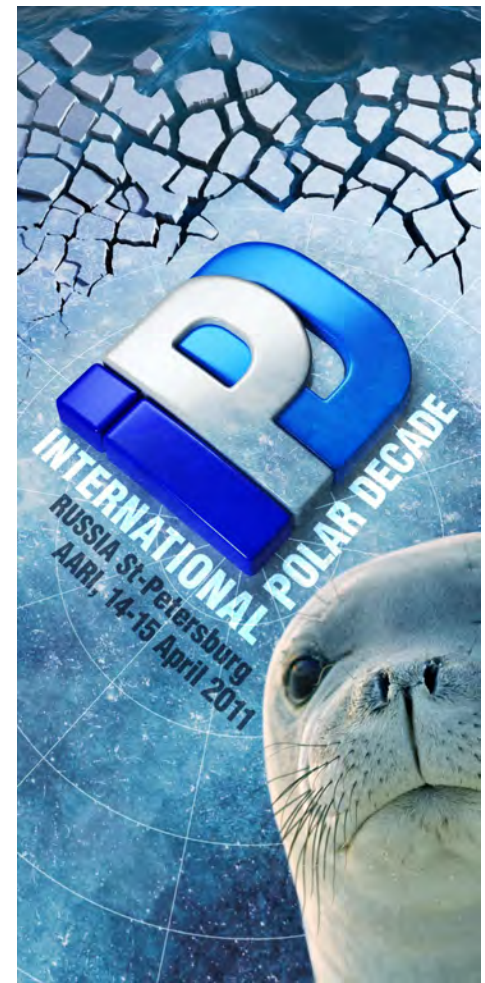
The Future of Polar Science?





?

We need something else!!!



Concept Note - Steering Group:

Co-Chaired by D. Hik (IASC) & J.-G. Winther (NPI)

AMAP APECS EPB-ESF IASC IASSA ICSU IOC SCAR UoA UNEP WMO



A sustained 'International Polar Initiative'

DRAFT CONCEPT

of a potential long-term International cooperative initiative in the polar regions



(short name: 'International Polar Initiative', IPI)

Prepared by the ad hoc Steering Group
chaired by David Hik and Jan-Gunnar Winther

Point of Contact: Vladimir Ryabinin (vryabinin@wmo.int)

December 2012

- address the **emerging challenges** identified within the IPY;
- **optimizing** and **better coordinating existing** resources and facilities;
- developing mechanisms for **concerted investments** in areas where activities are lacking;
- **deliver better, more reliable scientific information for risk management and policy-making** and other societal relevant activities in the Polar Regions.

Website: <http://internationalpolarinitiative.org>



Initial IPI expressions of interest and/or support



International Arctic Science Committee (IASC)
Scientific Committee on Antarctic Research (SCAR)
Conference of Parliamentarians of the Arctic Region
Association of Polar Early Career Scientists
Arctic Council
COMNAP
Research Council of Norway
Canadian Polar Commission
Future Earth Alliance





FUTURE EARTH: A 10-year initiative by a new international Science and Technology Alliance for Global Sustainability

A global platform for international
research collaboration

Transition to
sustainability

Integrated research themes

including regional and associated core projects,
underpinning science, integration and synthesis

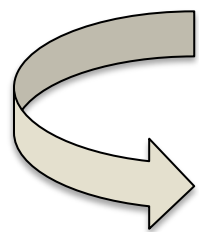
Dynamic
Planet

Global
Development

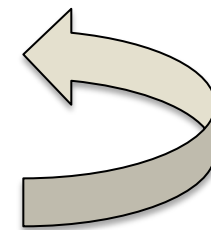
- augments earth system science with impacts of environmental change on **people**, adaptation and transformation
- delivers **interdisciplinary** research on global environmental change for sustainable development
- strengthens partnership between researchers/funders/users (**co-design**)

IPI Scope

- *Cross-disciplinary and Earth System approach (**Future Earth**)*
- *Full breadth of polar and environmental sciences, observations, modeling, prediction and services*
- *Natural and human systems and their interaction*
- *Outreach, education, mentoring of early career scientists*
- *Active and supported participation of the local residents*
- *Synergies between the North and South Hemispheres: bipolar*
- *Include Alpine/Mountain regions as appropriate*
- *Data policy favoring openness, interoperability, and preservation*
- *Accessible knowledge base to inform decisions on risk reduction, conservation, and sustainable development*
- *Add value to other initiatives and activities*



“Global Science”
“Science in the community”



Tentative Timeline for IPI

First half 2013:

Finalization of the draft IPI Concept and **wider discussion** with the communities of polar researchers and funding agencies;



Second half 2013 –
first half 2014:

Review of the IPI Concept by executive bodies of international agencies, its endorsement (& potential links to **Future Earth**);
Discussion of IPI at national level;
Establishment of an IPI Interim Committee for preparing the **IPI Framework Agreement** and Protocol to it;

Second half 2014:

Signing of the IPI Framework Agreement + a Protocol;
Establishment of **IPI Steering Committee** representing participating agencies;
Identification of important existing activities to be sustained and developed under IPI;

~2015-2016:

International Year of Snow and Ice;
Development of the **IPI Implementation Plan** and establishment of initial working bodies of IPI ;
Initial calls for IPI activities;

~2017-2018:

Start of IPI full-scope implementation.

(The) International Polar Initiative (IPI)

<http://internationalpolarinitiative.org>

Your Opinion?

Is an IPI a good or a bad idea? Why?

***IPI will be based on a plan of activities and will have specific deliverables.
There will be priorities identified by funders.***

Do you agree that this is required?

Suggestions on way forward...

How can you help?

Send your comments and ideas to:

vryabinin@wmo.int

dhik@ualberta.ca

winther@npolar.no



