

# The Canadian International Polar Year (IPY) Data Assembly Centre Network Infrastructure

Making it all work

## IPY Data Policy



International Polar Year  
Data and Information Service

“The International Polar Year (IPY) 2007-2008, an intense, interdisciplinary, and internationally coordinated campaign of research and observations, will deepen understanding of polar processes and their global linkages. IPY knowledge and the observations upon which it is built must be effectively managed to ensure the greatest benefit in the future. **IPY-generated data should be carefully and thoughtfully collected, used collaboratively, and adequately preserved.**”

## IPY Data Policy: PRESERVATION

**PRESERVE** = keep all data for as long as possible, continually maintaining integrity and updating them for use with contemporary systems

“...in order to take part in an IPY 2007-2008 Project, participants must agree to submit information and data from their component of the project and comply with the IPY 2007-2008 Data Policy.”



International Polar Year  
Data and Information Service

## IPY Data Policy: SHARE

**SHARE** = Open Data: make “discoverable” and share with contemporary and future researchers when possible

“...in order to maximize the benefit of data gathered under the auspices of the IPY, the IPY Joint Committee requires that IPY data, including operational data delivered in real time, are **made available fully, freely, openly**, and on the shortest feasible timescale. The only exceptions to this policy of full, free, and open access are:

- where **human subjects are involved**, confidentiality must be protected
- where **local and traditional knowledge** is concerned, rights of the knowledge holders shall not be compromised
- where **data release may cause harm**, specific aspects of the data may need to be kept protected (for example, locations of nests of endangered birds or locations of sacred sites).”

## IPY Data Assembly Centre Network: Beginnings

- INAC RFP open competition to preserve 52 Canadian IPY-funded Projects - June 2010 deadline
- INAC Announcement of successful Network members in July 2010
- First meeting: conference call in August 2010
- First face-to-face meeting in September 2010



- Took until December 2010 to start acting like a network

## IPY Data Assembly Centre Principles

- 1. Long-term Preservation:** 500+ years
- 2. Flexibility of Access** - to create different types of access to meet the needs of different users (Researchers, people of the North, etc.)
- 3. Community Networked Solution**
  - Institutionalized, ie: cannot rely on individuals
- 4. Standards-driven by content**
  - Geographic, numeric, textual, image, audio, confidential, origin (indigenous knowledge), etc.
  - Metadata standards to meet needs of collection
  - Migration/Evergreening to new standards, METS to support all standards
- 5. Shared Expertise**
  - Academic and Government
  - Data, IT, Metadata, Researchers, Librarians

Welcome back

OC

People Projects Docs Calendar Time Assignmt. Search

IPY Data Assembly Centre ... Milestones Checklists Planning Discussions Files Calendar Pages Tickets Time People

### Tickets

Dashboard > Projects > IPY Data Assembly Ce... > Tickets > All Open Tickets

Sort:  Assignee:  Creator:

**Create an inventory of datasets** Add Ticket

- #6 ▶ **HW-025 De Wals**  
Chuck Humphrey is responsible. ASSIGNED
- #8 ▶ **HW-068 Mao**  
Chuck Humphrey is responsible. ASSIGNED
- #15 ▶ **MD-146 Dickson**  
Lindsay Johnston is responsible. ASSIGNED
- #16 ▶ **MD-147 Winton**  
Lindsay Johnston is responsible. ASSIGNED

**Complete metadata submission to PDC** Add Ticket

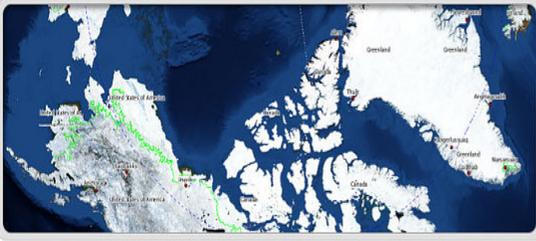
- #4 ▶ **CC-110 Francois - GEOTRACES**  
Lindsay Johnston is responsible. ASSIGNED
- #5 ▶ **CC-144 Fisk**  
Lindsay Johnston is responsible. ASSIGNED
- #7 ▶ **HW-056 Minuk**  
Chuck Humphrey is responsible. ASSIGNED
- #9 ▶ **HW-083 Dewally**  
Chuck Humphrey is responsible. ASSIGNED
- #11 ▶ **HW-141 Simard M** ASSIGNED



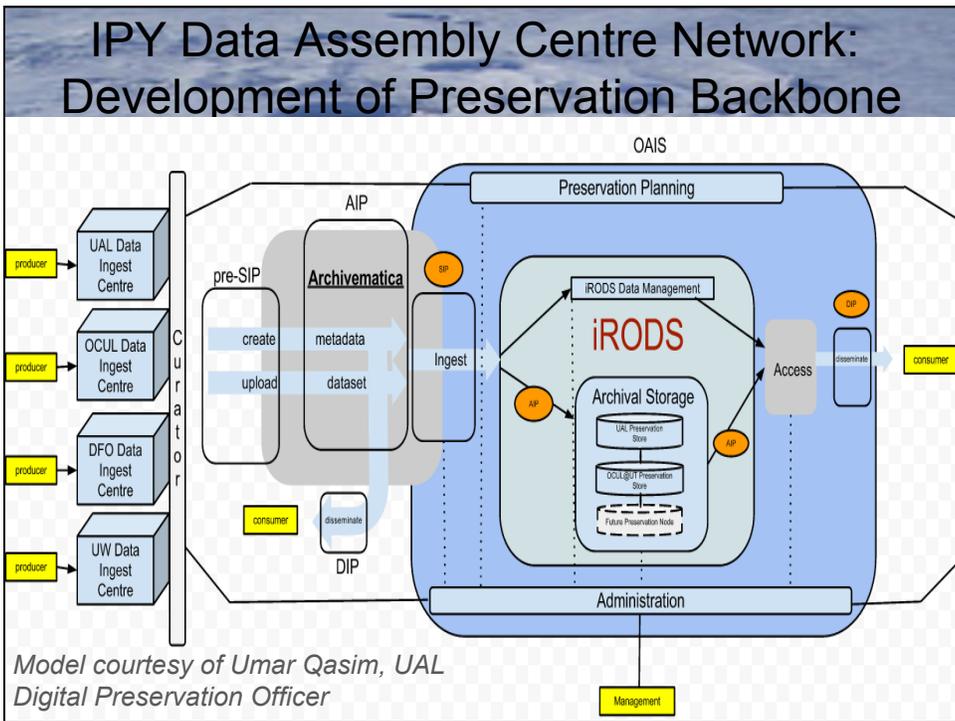
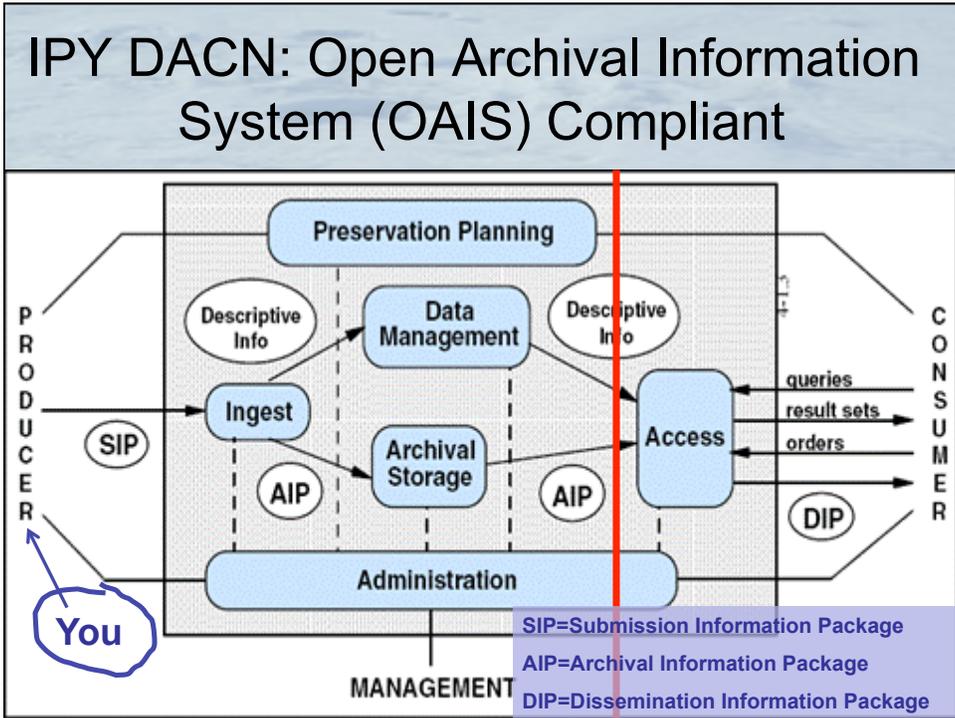
## WELCOME TO THE POLAR DATA CATALOGUE

The Polar Data Catalogue is a database of metadata and data that describes, indexes and provides access to diverse data sets generated by Arctic and Antarctic researchers. The records follow *Federal Geographic Data Committee* (FGDC) standard format to provide metadata exchange with other data centres. The records cover a wide range of disciplines from natural sciences and policy, to health and social sciences. This geospatial search tool is available to the public and researchers alike and allows searching data using a mapping interface or other parameters.

Please [click on the map](#) below to start searching for datasets or [sign in](#) to contribute metadata to the Polar Data Catalogue.



POLAR DATA  
CATALOGUE  
METADATA  
ENTRY



## Partnering with Researchers

- Establish contact -- Hired Co-op Data Curator (August 2011)
- Talk through implications – phone, in-person meetings
- Decide how to organize data
- Create Metadata
  - Establish convention for creating Data Set titles
  - Work with Metadata Form
- Data deposit – work with existing relationship with Canadian Cooperative Wildlife Health Centre Database 
- Agree on access levels

## Next Steps

- Continue to gather data and improve and automate workflows
- Lay the foundation for a National Polar Data Service