International Polar Year 2007-2009 etwork (AON): tribution to serving **Arctic Observing Network (AON): Toward a U.S. Contribution to** Pan-Arctic Observing

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> Second IPY Arctic Observing Workshop Edmonton, AB, Canada 9-11 April 2008

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U.S. Federal Inter-Agency Arctic Observing

1. April 2007, the *IARPC Principals tasked the IARPC staff with the development of AON as part of the implementation of **SEARCH and as a legacy of IPY 2007-2009. NSF and NOAA co-lead this activity.

2. Progress: IARPC AON report "*Arctic Observing Network: Toward a U.S. Contribution to Pan-Arctic Observing*" to be published in April 2008 as the 2007 issue of the journal *Arctic Research of the United States*. It will be available as pdf files at <u>www.nsf.gov/od/opp/arctic/iarpc/start.jsp</u>

3. Key content of the IARPC AON report includes 'comprehensive' inventory of current Federal Arctic observing activities and locations, and data and information management activities and sources. The report concludes with a list of 10 action items.

4. In May 2008, we anticipate the formation of an IARPC AON subcommittee to facilitate coordination and integration of USG Arctic observing activities, i.e., turning action items into substance.

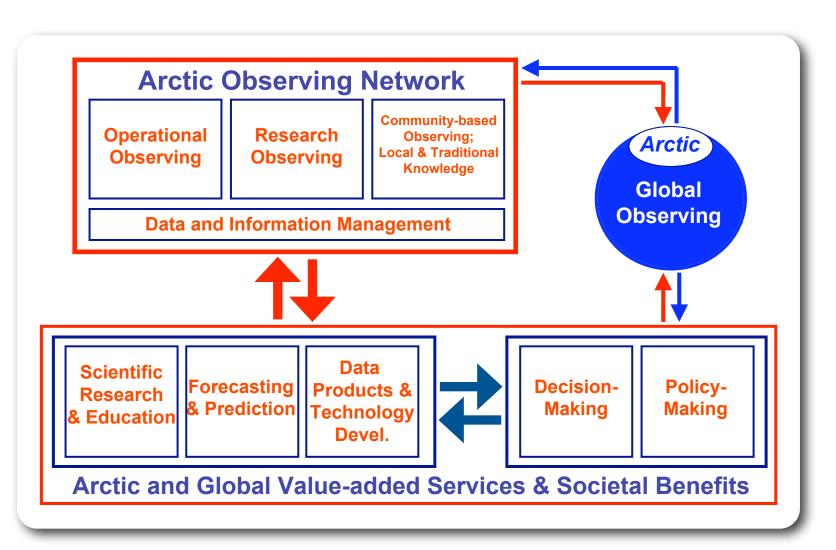
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*IARPC: Inter-Agency Arctic Research Policy Committee. **SEARCH: Study of Environmental Arctic Change.

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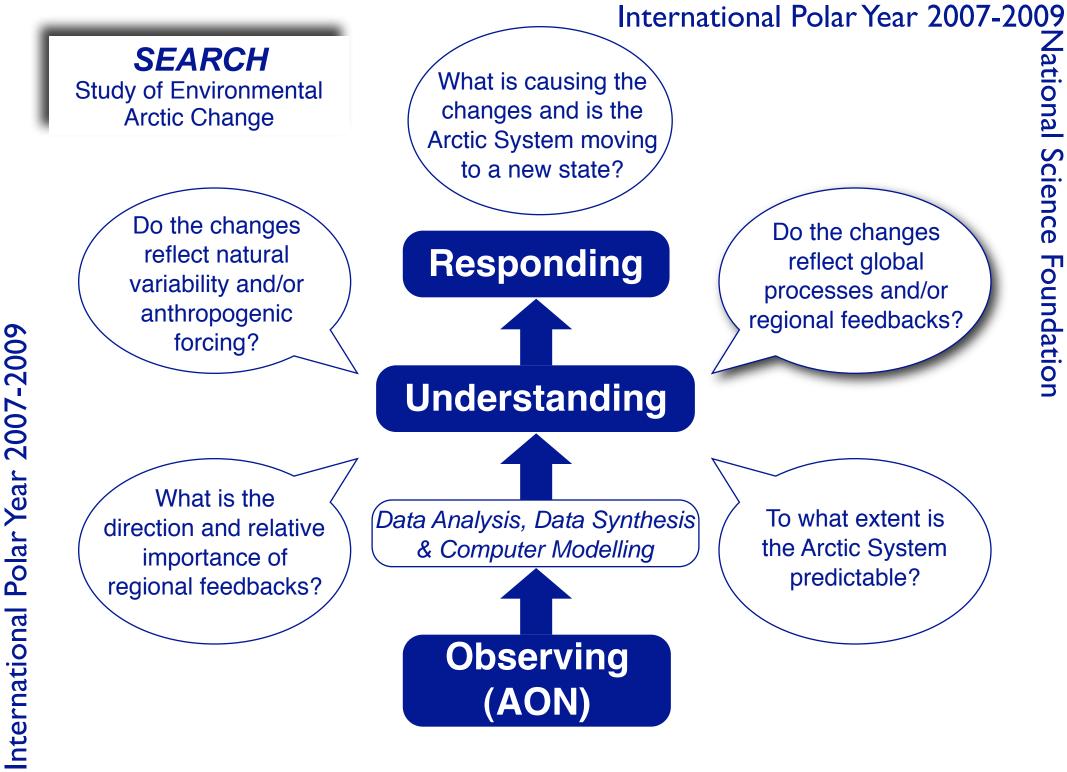
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A Conceptual Framework for the

Arctic Observing Network (AON) (and a pan-Arctic, multi-nation Arctic observing network)

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SEARCH: http://www.arcus.org/search/index.php

NSF & AON

- **1.** 30+ projects covering almost all SEARCH categories.
 - Atmosphere
 Ocean and Ice
 Hydrology and Cryosphere
 - Terrestrial Ecosystems Human Dimensions Data and Information.
- **2.** First AON PI meeting: Boulder, CO, March 2007.
 - Begin coordination/integration Cyberinfrastructure discussions.

3. First IPY year completed.

- New observations begun, "old" observations continued.
- Cyberinfrastructure progress: *CADIS data and information management.

4. Second AON PI meeting: Palisades, NY, 17-20 March 2008.

- Part of the "Arctic Observation Integration Workshop".
- What are the implications of the events of summer 2007 for Arctic observing?
- AON Status and progress reports Coordination and integration Future directions.
- SEARCH for DAMOCLES (S4D) Lagrangian drifters.
- Report late April/early May.

5. AON Solicitation in ~mid-2008 for awards to be made in early 2009.