

# 1/17/13 report to the AICC

**John Farrell**

Executive Director

U.S. Arctic Research Commission





FRAN ULMER | CHAIR  
US Arctic Research Commission  
Anchorage, Alaska



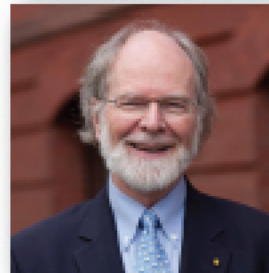
DAVID BENTON  
Fisheries Consultant  
Juneau, Alaska



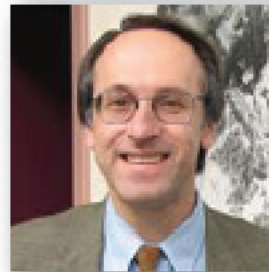
EDWARD SAGGAN ITTA  
Past Mayor, North Slope Borough  
Barrow, Alaska



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Director, Kuskokwim Campus  
University of Alaska Fairbanks  
Bethel, Alaska



JAMES McCARTHY  
Professor of Biological Oceanography  
Harvard University  
Cambridge, Massachusetts



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Director, City University of New York  
Environmental Cross-Roads Initiative  
The City College of New York  
New York, New York



WARREN M. ZAPOL, MD, EMERITUS  
Director, Anesthesia Center for  
Critical Care Research  
Massachusetts General Hospital  
Boston, Massachusetts



SUBRA SURESH, PhD |  
EX-OFFICIO MEMBER  
Director, National Science Foundation  
Arlington, Virginia

## **Duties of the Commission:**

- Develop Arctic research policy
- Facilitate Arctic research cooperation
- Review federal Arctic research programs
- Data sharing among Arctic research entities
- Cooperate with the State of Alaska
- Improve international scientific cooperation in the Arctic

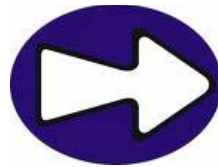
# Federal Arctic research policy/process



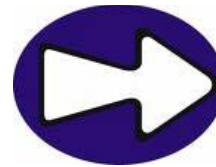
IARPC 5-year plan  
(to be released by OSTP  
within the month)



USARC: Set goals; build international cooperation, work with Alaska



IARPC: adopt plans; coordinate



White House: OMB/OSTP  
Congress: Authorizers & Appropriators

## **Recent activities:**

- Interagency Arctic Research Policy Committee's 5-yr plan
- National Ocean Policy (implementation)
- Interag. Coord. Comm. on Oil Pollution Research (R&T plan)
- Integrated Arctic Management report to POTUS (web portal)
- Coordination with Canadian Polar Commission
- "White paper" on oil spill prevention and response research
- Two Arctic-related studies at the Nat. Academy of Sciences
- Arctic Science bill (Sen. Begich). \$ to AOOS and USARC.

# **7 foci in IARPC 5-yr plan**

- 1. Human health**
- 2. Arctic observing system**
- 3. Marine ecosystems**
- 4. Terrestrial ecosystems**
- 5. Atmospheric processes**
- 6. Arctic communities**
- 7. Arctic regional models**

# Draft National Ocean Policy Implementation Plan

National Ocean Council



*An America whose stewardship ensures that the ocean, our coasts, and the Great Lakes are healthy and resilient, safe and productive, and understood and treasured so as to promote the well-being, prosperity, and security of present and future generations.*

## Changing Conditions in the Arctic

Address environmental stewardship needs in the Arctic Ocean and adjacent coastal areas in the face of climate-induced and other environmental changes.

### 5 “actions”

1. Improve Arctic environmental response management
2. Observe and forecast Arctic sea ice
3. Implement a distributed biological observatory
4. Enhance communication systems in the Arctic
5. Advance Arctic mapping and charting



# Each “action” has specific outcomes, agencies, & milestones

## DBO

### Outcomes

A distributed biological observatory will help experts track and understand changing environmental conditions in the Arctic.

**Agencies:** NOAA, USFWS

### Milestones

- Conduct and coordinate multi-year DBO research cruises with Federal, State, and international partners to document change in distribution, abundance, biomass, species composition, and rates of primary production at two of five stations along the DBO latitudinal gradient. (NOAA; 2012)
- Review pilot DBO activities and plan upcoming cruises in collaboration with international partners via Pacific Arctic Group meetings. (NOAA; 2012)
- Complete pilot phase analysis and prepare international report on distributed biological observatory activities and results to date. (NOAA; 2013)
- Update DBO concept and Implementation Plan for longer-term implementation. (NOAA, USFWS; 2014)
- Execute DBO plans and prepare annual assessments on physical and ecological state of Pacific Arctic marine environment. (NOAA, USFWS; 2015)



# Interagency Coordinating Committee on Oil Pollution Research (ICCOPR)

*Advancing Spill Prevention and Response Capabilities*

[Home](#) [About ICCOPR](#) [Documents](#) [Meetings & Notices](#) [Conferences & Workshops](#) [Other Links](#) [R&D Programs & Stakeholders](#)

## Origin and Purpose

Title VII of the Oil Pollution Act of 1990 (Section 7001) established the fourteen-member Interagency Coordinating Committee on Oil Pollution Research, the Interagency Committee, to "coordinate a comprehensive program of oil pollution research, technology development, and demonstration among the federal agencies, in cooperation and coordination with industry, universities, research institutions, state governments, and other nations, as appropriate, and shall foster cost-effective research mechanisms, including the joint funding of the research." The Chairman of the Interagency Committee, represented by the Coast Guard, is required to submit a biennial report to Congress on activities carried out under Section 7001 in the preceding two fiscal years, and on activities proposed to be carried out under this section in the current two fiscal year period.

## Navigating ICCOPR

- [About ICCOPR](#) Learn about the responsibilities of the ICCOPR and meet the Chair and Interagency members.
- [Documents](#) Archived documents and reports, to include: Biennial Reports and 1997 Oil Pollution Research and Technology Plan
- [Meetings and Notices](#) This section provides a listing of past and future Interagency Committee meetings or formal engagements.
- [Conferences & Workshops](#) A list of oil pollution research conferences and workshops supported by or of interest to the ICCOPR.
- [Other Links](#) Links and information on subjects affecting R&D, including congressional activities, government facilities, and issues related to the Arctic and the 2010 Deepwater Horizon spill.

## ICCOPR Members Login



## Ohmsett Gazette

Check out the  
[Fall/Winter 2012 Issue](#)



# ARCTIC SCIENCE PORTAL

Connecting researchers, decision makers,  
and the general public with Arctic information.

[Society](#)

[Environment](#)

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## Welcome to the Arctic Science Portal

At a time when the world is increasingly interested in the Arctic, and when many decisions are being made by public agencies, private industry, and individuals that will impact the development of this region, it is essential that relevant research and information be easy to find and access.

To facilitate access to the broad array of data available on the Arctic, this portal can be thought of as a library of links (URLs) to websites where Arctic data are made publicly available. The portal directs users to appropriate websites based on topic and short description (e.g., Arctic weather, sea ice conditions, fisheries information, Arctic oceanography, oil spill response research). The portal is neither an interactive website where data from one or more sources can be combined, integrated, or analyzed, nor is it a site where data are archived. Instead, it is a tool that directs users to available information on the Arctic sorted in the main categories of [Society](#), [Environment](#), [Economics](#), [Reference](#), and [Organizations](#).

Please send your feedback on the Arctic Science Portal to [info@arctic.gov](mailto:info@arctic.gov).

# OIL SPILLS IN ARCTIC WATERS

An Introduction and Inventory of Research Activities  
and USARC Recommendations



WRITTEN BY THE US ARCTIC RESEARCH COMMISSION  
AND THE US ARMY CORPS OF ENGINEERS  
COLD REGIONS RESEARCH AND ENGINEERING LABORATORY

# Two studies at National Academy of Sciences

- “Responding to Oil Spills in Arctic Marine Environments”
- “Emerging issues in Arctic Research”



NATIONAL ACADEMY OF SCIENCES  
THE NATIONAL ACADEMIES

# Oil spill committee members

**Dr. Thomas S. Coolbaugh**  
**ExxonMobil**

**Dr. Brenda Norcross**  
**University of Alaska, Fairbanks**

**Mr. Richard K. Glenn**  
**Arctic Slope Reg. Corporation**

**Mr. Mark Reed**  
**SINTEF Materials and Chemistry**

**Dr. Martha R. Grabowski - (Chair)**  
**Le Moyne College**

**VADM Brian Salerno**  
**BIMCO**

**Mr. David F. Dickins**  
**DF Dickins and Associates, LLC**

**Dr. Robert Suydam**  
**North Slope Borough**

**Dr. Kenneth Lee**  
**Fisheries and Oceans Canada**

**Dr. James M. Tiedje**  
**Michigan State University**

**Mr. William L. Majors**  
**Alaska Clean Seas**

**Dr. Mary-Louise Timmermans**  
**Yale University**

**Dr. Mark D. Myers**  
**University of Alaska, Fairbanks**

**Dr. Peter Wadhams**  
**University of Cambridge**

# Senate bill

\$400M endowment gives \$ to AOOS and to USARC

112<sup>TH</sup> CONGRESS  
2<sup>D</sup> SESSION

## S. 2147

To provide for research, monitoring, and observation of the Arctic Ocean  
and for other purposes.

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IN THE SENATE OF THE UNITED STATES

MARCH 1, 2012

Mr. BEGICH introduced the following bill; which was read twice and referred  
to the Committee on Commerce, Science, and Transportation



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