



Interagency Processes & Mechanisms USARC and IARPC

John Farrell

NOAA Science Challenges Workshop

May 14, 2014

Two views from USCGC HEALY at 80°N (156°W)

9/6/07

9/12/12





“I come here keenly aware that the long list of [Arctic] challenges – acidification, pollution, ice melt, rising sea levels, disappearing species, and indiscriminate development practices – carry even more challenges downstream...to each of our economies, to our national security, and to intl’ stability.”

– John Kerry

Arctic Council Ministerial Meeting, Kiruna, Sweden, May 15, 2013

- Arctic Research and Policy Act of 1984
- Executive Order 12501 ('85 Pres. Reagan)
- Created USARC and IARPC
- Defined their roles and responsibilities
- White House (OSTP & OMB) shall coordinate and review Arctic research budget requests and address icebreakers

USARC's duties:

- Develop national Arctic research policy
- Facilitate Arctic research cooperation (w/IARPC)
- Review federal Arctic research programs
- Recommend improvements for data sharing
- Facilitate cooperation w/Alaska & internationally



USARC COMMISSIONERS



FRAN ULMER | CHAIR
US Arctic Research Commission
Anchorage, Alaska



DAVID BENTON
Fisheries Consultant
Juneau, Alaska



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Past Mayor, North Slope Borough
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Critical Care Research
Massachusetts General Hospital
Boston, Massachusetts



FRANCE CORDOVA
EX-OFFICIO MEMBER
Director, National Science Foundation
Arlington, Virginia

“Goals Report”

5 major research themes for 2013-14

- Environmental Change
- Arctic Human Health
- Civil Infrastructure
- Natural Resource Assessment & Earth Science
- Indigenous Languages, Identities, Cultures



USARC products & services

ARCTIC SCIENCE PORTAL

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

Society Environment Economics Reference Organizations Abbreviations Org Chart



Welcome to the Arctic Science Portal

This portal is a broad collection of Arctic science websites that are distributed among the five categories listed above. A list of abbreviations and an organizational chart are also included. The entry for each website includes a name, the link (URL), and a brief description. The purpose of this site is to provide information to broad cross-sections of users.



USARC United States Arctic Research Commission

An independent agency that advises the President and Congress on domestic and international Arctic research through recommendations and reports

[f](#) [t](#) [e](#) [s](#) [p](#)

Portal Arctic Update Publications People Meetings News About

ARCTIC UPDATE

THE US ARCTIC RESEARCH COMMISSION DAILY EMAIL NEWSLETTER

January 9, 2014

Today's Events



Today's Congressional Action:
The Senate will consider unemployment insurance legislation. The House is expected to consider several non-Arctic bills today.

Media

Levin Resists Calls for Transparency in Defense Authorization Markup. Reporters want outgoing Senate Armed Services Chairman [Carl Levin](#), D-Mich., to make his last defense authorization markup the most transparent yet. The Standing Committee of Correspondents for the daily press galleries has requested that Levin, who [will retire](#) at the end of the year, consider opening all fiscal 2015 defense authorization markups to the media and the public, with exceptions for meetings that must be classified. [Roll Call](#)

White House Science Director Knocks Climate Change Skeptics. John Holdren, the director of the White House Office of Science and Technology, took on climate change skeptics Wednesday in a video released on YouTube saying the cold weather that swept across the United States this week doesn't mean that global warming is a myth. "If you've been hearing that extreme cold spells like the one we're having in the United States now disprove global warming, don't believe it," Holdren says in the video. "The fact is that no single weather episode can either prove or disprove global climate change." [Politico](#)



USARC reports

OIL SPILLS IN ARCTIC WATERS

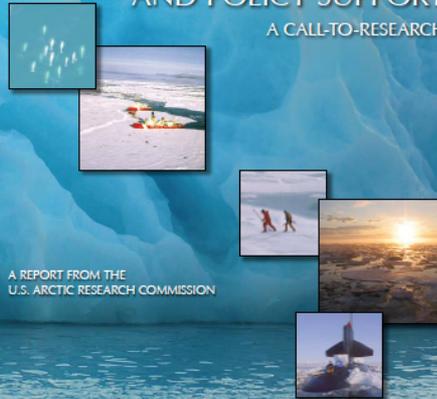
An Introduction and Inventory of Research Activities
and USARC Recommendations



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

SCALING STUDIES IN ARCTIC SYSTEM SCIENCE AND POLICY SUPPORT

A CALL-TO-RESEARCH



A REPORT FROM THE
U.S. ARCTIC RESEARCH COMMISSION

SCICEX Phase II Science Plan

PART 1: TECHNICAL GUIDANCE FOR PLANNING
SCIENCE ACCOMMODATION MISSIONS



IARPC

- White House (NSTC) leadership (**new**). NSF chairs.
- 16 agencies
- 5-yr Arctic Research Program Plan (LOE Stewardship)
- Meetings. Principals, staff, 14 thematic implem. teams
- Cooperates with AK, indigenous orgs, academic, NGOs, Arctic Council, and intl' partners.
- Participates in Federal strategic planning, provides expertise, and coordinates within OSTP

ARCTIC RESEARCH PLAN:
FY2013–2017

Executive Office of the President
National Science and Technology Council

FEBRUARY 2013

7 research themes

- Sea ice and marine ecosystems
- Terrestrial ice and ecosystems
- Atmospheric studies
- Observing systems
- Regional climate models
- Adaptation tools for sustaining communities
- Human health

IARPC Implementation Teams

Meet monthly towards 145 milestones

Implementation Teams	Chair(s), Agency
Sea Ice (SIIT)**	Martin Jeffries, DOD
Distributed Biological Observatory (DBOIT)**	Sue Moore, NOAA
Chukchi Beaufort (CBIT)	Brendan Kelly, OSTP
Glaciers and Fjords (GFIT)	William Wiseman and <u>Hedy Edmonds</u> , NSF
Terrestrial Ecosystems (TEIT)	John Payne, NSSI and <u>Carl Markon</u> , DOI
Wildfires (WIT)	Kent Slaughter, DOI
Atmosphere (AIT)	Wanda Ferrell and Ashley Williamson, DOE
Arctic Observing Systems (AOSIT)	Erica Key, NSF
Arctic Data (ADIT)	Marco Tedesco, NSF
Modeling (MIT)	Mike <u>Kuperberg</u> , DOE
Human Health (HHIT)	Alan Parkinson, HHS/CDC
Communities – Local Priorities (ACIT ₁)	<u>Nikoosh Carlo</u> , NSF
Communities – Scenarios & Food (ACIT ₂)	James <u>Partain</u> , NOAA
Communities – Languages & Culture (ACIT ₃)	Igor <u>Krupnik</u> , SI

Who's participating?

IARPC Implementation Teams—Who's doing what?

● #= Participants ● Lead Agency

240 Unique Participants;

60 participants cross multiple teams.

Implementation Teams	DHS	DOC	DOD	DOE	DOI	DOT	EPA	HHS	MMC	NASA	NSF	OSTP	SI	STATE	USARC	USDA	Non-Federal Partners
Sea Ice	1	12	8	2	3					5	2	1	1		1		4
DBO		8	1		4				2	5	1	1			3		10
Chukchi Beaufort	1	12	1		8				1	3	2	1			3		3
Glaciers and Fjords		2		3	1					3	4				1		
Terrestrial Ecosystems			1	1	10					1	3						7
Wildfires				1	10					4	1					1	3
Atmosphere		2		2		1	1			4	1				1		3
Arctic Observing Systems	1	3	2	2	20		1			2	1	1			2		27
Arctic Data		1	2		9		1			3	1	1			1		10
Modeling		4	1	3	5	1				6	3					2	
Arctic Communities		2			7		1	1		2	3		4	1			30
Human Health		1			3		1	3		2	1				1		5

Federal Arctic research policy/process



USARC set goals



IARPC adopts,
creates & executes
research plan



White House:
OMB/OSTP
coordinate &
review budget



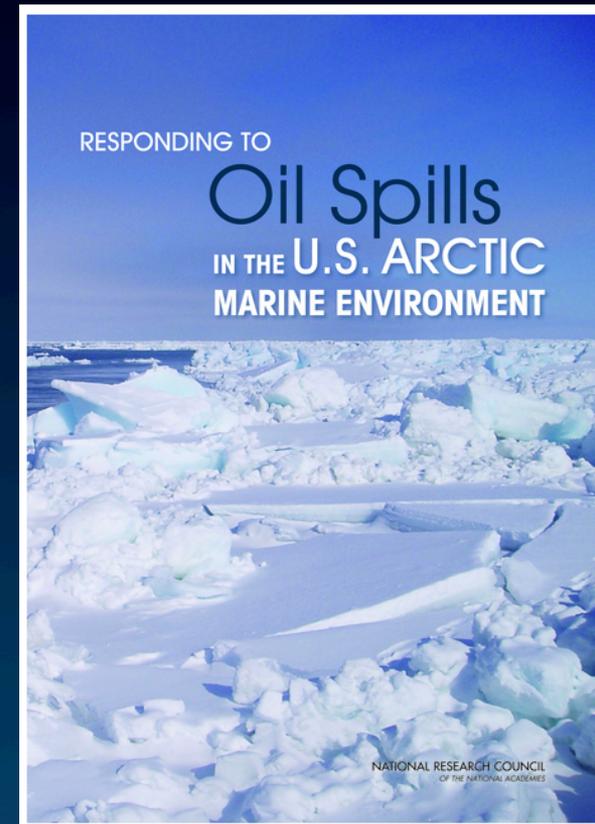
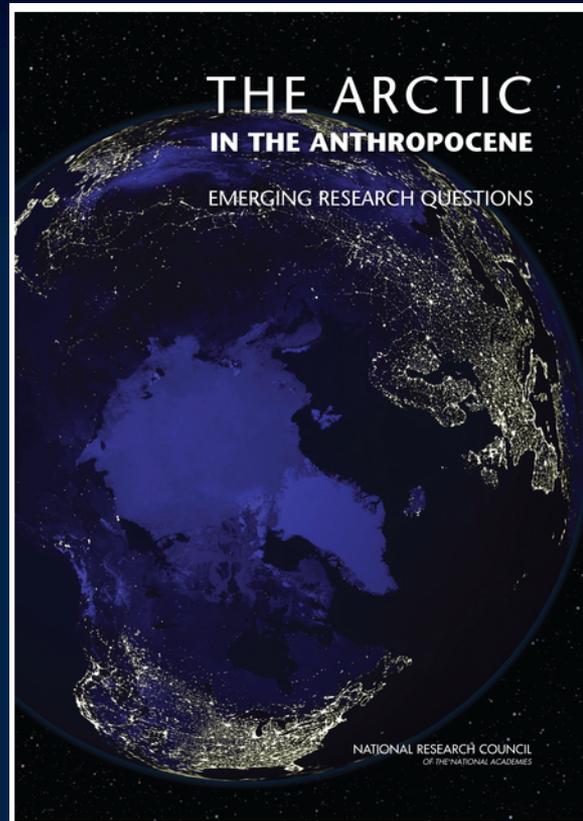
“The Commission shall, after submission of the President's annual budget request, review the request and report to Congress on adherence to the Plan.”



Congress:
Authorizes &
Appropriates

Recent developments...

- Two NRC studies
- National Strategy for the Arctic Region
- Arctic Council (Task Force on Sci. Coop., Working Groups)
- Alaska Arctic Policy Commission (State)



What more can NOAA do?

- Join an IARPC collaboration team (www.arcus.org/iarpc)
- Better understand users of arctic wx & climate predictions
 - Other fed. entities (e.g., BOEM, BSEE, ORR, NMFS, USCG, DOD, etc.)
 - State of Alaska (e.g., AK Arctic Policy Commission, citizens)
 - Industry (fishing, shipping, O&G, tourism)
- Keep abreast of other developments (NOC, AC, etc.)
- Constructively address the “polar vortex” issue because links to mid-latitudes are important.