WELCOME

ARCUS Arctic Research Seminar Series

Marine Research in the North Pacific: The changing landscape for fisheries, ecosystems, and science funding in Alaskan waters

29 September 2017

Presented by Betsy Baker
North Pacific Research Board
Communication
Communication Workshop for Researchers Studying Arctic Environmental Change
Marine Research in the North Pacific: The changing landscape for fisheries, ecosystems, and science funding in Alaskan waters

2007
WHAT’S CHANGED?

• Your trajectory
• Your scientific discipline
• Your research funding

2007
Arctic Sea Ice Extent
(Area of ocean with at least 15% sea ice)

Extent (millions of square kilometers)

Jun  Jul  Aug  Sep  Oct

2012  2007  2005

1979–2000 Average
±2 Standard Deviations

National Snow and Ice Data Center, Boulder CO

7

15 Sep 2012
Arctic Observing Summit 2016 Conference Declaration

“... involvement of Arctic Indigenous Knowledge holders, for the use of Indigenous Knowledge and the co-production of knowledge. Develop mechanisms to enable collaborative approaches and building of trust among partners ...”
Arctic Science Summit Week
2007
March 14-20, 2007

WHAT’S CHANGED?
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THE NORTH PACIFIC RESEARCH BOARD

Supporting peer-reviewed scientific research in the Gulf of Alaska, Bering Sea/Aleutian Islands, and Chukchi/Beaufort Seas that informs effective management and sustainable use of marine resources.
• Building a clear understanding of North Pacific, Bering Sea and Arctic Ocean ecosystems that enables effective management and sustainable use of marine resources

• Legislative priority: "cooperative research designed to address pressing fishery management or marine ecosystem information needs" 43 USC §1474d
Communication

Integration
• Target funding $4.5 million per cycle
• 1-5 year studies
• 666 projects funded since 2002
• Ca. 90 active projects
CORE PROGRAM

- Communication and Outreach
- https://www.nprb.org/nprb/communications/
INTEGRATED ECOSYSTEM RESEARCH PROGRAMS

**Bering Sea Project**
- 2009-2012
- $52 million partnership with National Science Foundation

**Gulf of Alaska Project**
- 2010-2014
- $18 million partnership with NOAA Alaska Fisheries Science Center

**Arctic Program**
- 2016-2021
- $16 million partnership with Bureau of Ocean Energy Management, Collaborative Alaskan Arctic Studies Program, Office of Naval Research
- In kind: NOAA, NSF, UAF
• 27 PIs from 11 institutions
How will reductions in Arctic sea ice and the associated changes in the physical environment influence the flow of energy through the ecosystem in the Chukchi Sea?
Communication Workshop for Researchers Studying Arctic Environmental Change
THANK YOU!

➢ **Upcoming Arctic Research Seminars**
  • 10/4/17: Peter Pulsifer (NSIDC)
  • 11/30/17: Courtney Carothers (UAF) & Laura Zanotti (Purdue)
  • 02/12/17: Roberto Delgado & Andrea Marques Horvath (NIMH)

➢ Please visit ARCUS online to find
  • ARCUS Seminar Series recordings: [https://goo.gl/Wymkd7](https://goo.gl/Wymkd7)
  • Opportunities to participate in ARCUS’ Defend Arctic Research campaign: [https://goo.gl/aagB5s](https://goo.gl/aagB5s)

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