

NOAA in the Arctic

David Kennedy
Senior Arctic Advisor, NOAA
HSRP Meeting
April 9, 2015



INTRODUCTION

National Strategy for the Arctic Region

— lines of effort —

- *Advance U.S. security interests*
- *Pursue responsible Arctic region stewardship*
- Strengthen international cooperation

NOAA's Arctic Vision & Strategy

— strategic goals —

- *Forecast sea ice*
- Improve weather and water forecasts and warnings
- *Strengthen foundational science to understand and detect Arctic climate and ecosystems changes*
- Improve stewardship and management of ocean and coastal resources in the Arctic
- *Advance resilient and healthy Arctic communities and economies*
- Enhance international and national partnerships

NOAA'S INVESTMENTS IN THE ARCTIC

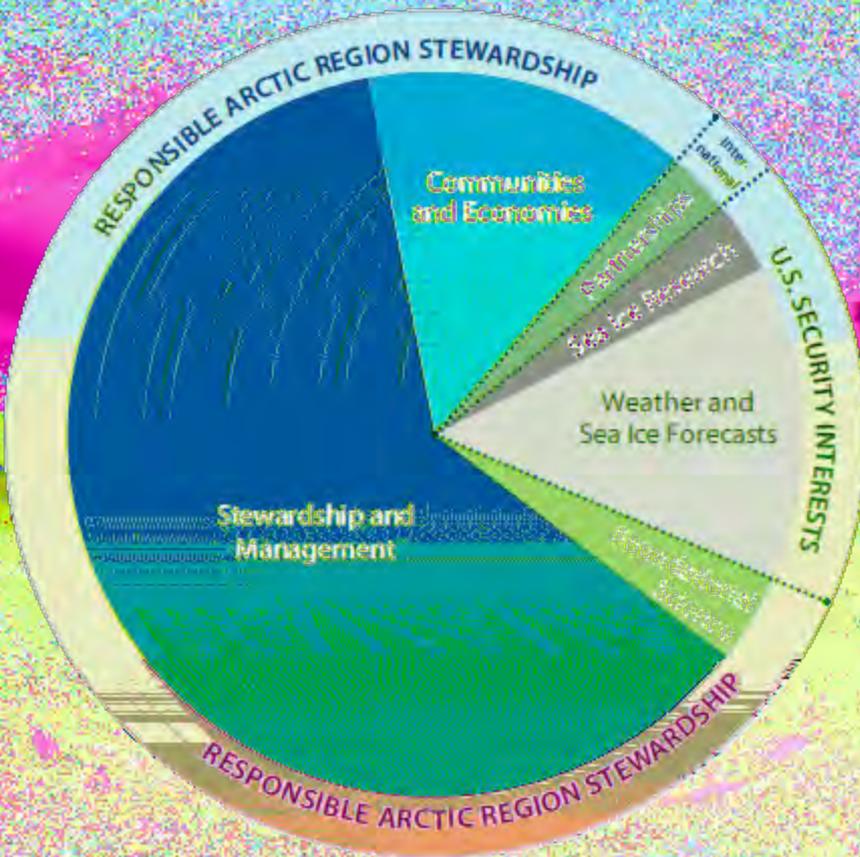


Figure 2. NOAA 2013 Arctic funding by NOAA Arctic goal and National Strategy line of effort.

- National Strategy for the Arctic Region lines of effort
- Sea ice research (3.3%)
- Weather and sea ice forecasts (14.0%)
- Foundational science (4.0%)
- Stewardship and management (61.6%)
- Communities and economies (14.3%)
- Partnerships (2.8%)

NOAA'S INVESTMENTS IN THE ARCTIC

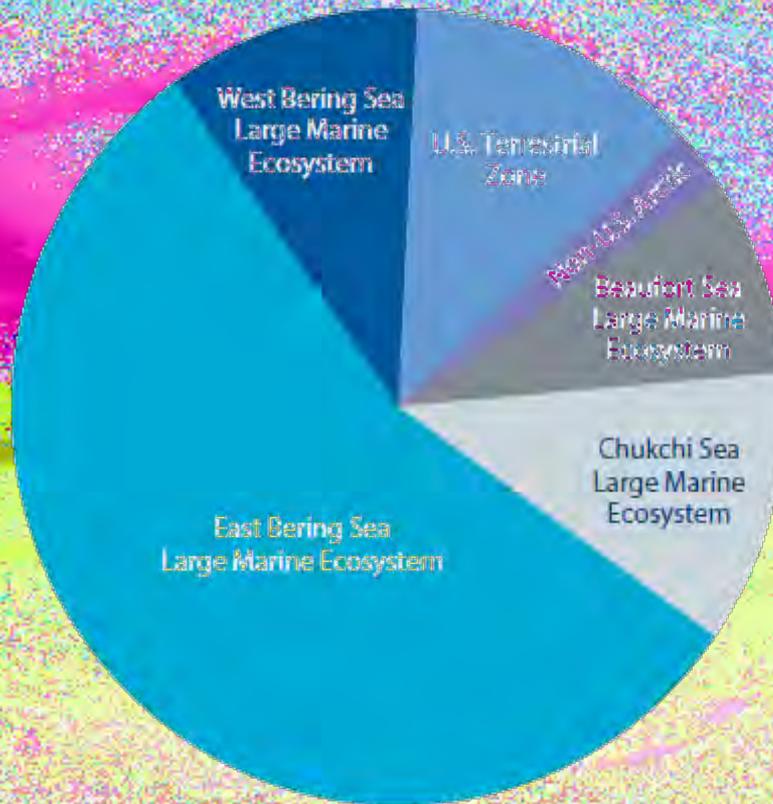


Figure 3. NOAA 2013 Arctic funding by geographic area.

- Beaufort Sea LME (8.2%)
- Chukchi Sea LME (11.1%)
- East Bering Sea LME (55.5%)
- West Bering Sea LME (10.6%)
- U.S. terrestrial zone (12.2%)
- Non-U.S. Arctic (2.4%)

National Strategy Line of Effort 1:

ADVANCE U.S. SECURITY INTERESTS

- Weather and Sea Ice Forecasts
- Sea Ice Research



Ship Oscar Dyson maneuvers through sea ice in the Bering Sea. Photo: J. Jansen, NOAA.

National Strategy Line of Effort 2:

PURSUE RESPONSIBLE ARCTIC REGION STEWARDSHIP

- Foundational Science
 - Ice-Ocean-Ecosystem Observations
 - Atmosphere-Climate Observations
- Stewardship and Management
 - Living Marine Resource Surveys and Assessments
 - Ecosystem and Habitat Research
 - Management and Regulatory Activities
- Communities & Economies
 - Charting the Arctic
 - Hazard Assessment and Response

National Strategy Line of Effort 3:

STRENGTHEN INTERNATIONAL COOPERATION

- National Partnerships
 - IARPC, ACCER, NSSI, NPRB, LCCs, AOOS, IAWG
- International Partnerships
 - Intergovernmental and operational
 - Arctic Council



NOAA Arctic Team Retreat (January, 2015)

Identified Focus Themes:

- **Energy Development**
- **Transportation & Economic Development**
- **Climate Impacts**

Refined NOAA's Arctic Team Structure.

NOAA's INTER-AGENCY AND INTERNATIONAL WORK

- White House Arctic Executive Committee
- Report to the President
- Implementation Plan Update
- Tribal Consultations
- Arctic Council Chairmanship

THANK YOU

NOAA Ship Fairweather is currently conducting operations. Photo by NOAA.

