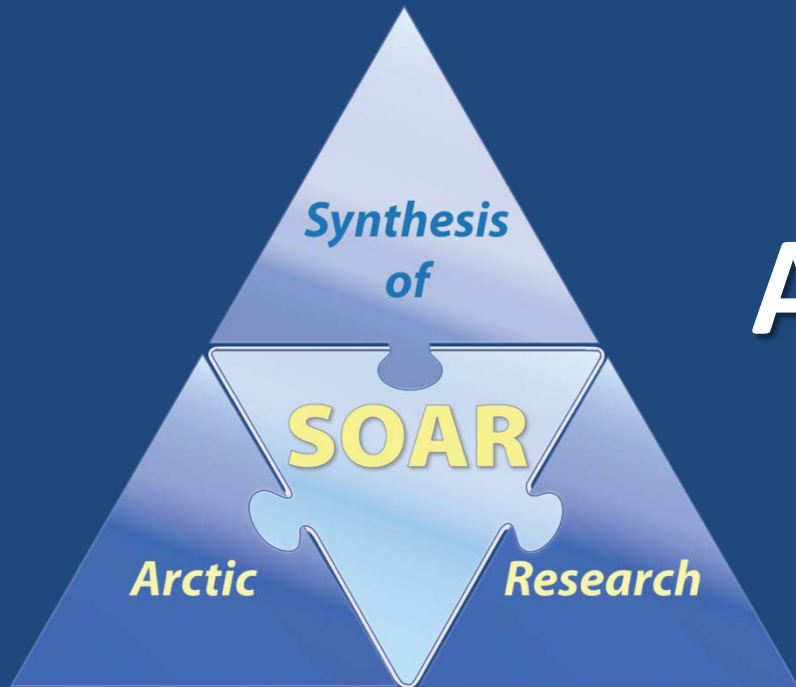


# Synthesis of Arctic Research (SOAR)



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Heather Crowley, BOEM/Alaska Region



# SOAR OVERVIEW

- **WHAT:** *inter-disciplinary synthesis of marine science data and observations for the Pacific Arctic Region (PAR)*
- **WHERE:** *focus is US waters of the PAR, but integration of information from Canadian and Russian studies is encouraged*
- **WHY:** *lots of marine research in PAR, but little integration and synthesis*
- **WHEN:** *5-year project (2011-2016), in 2 Phases (Phase 1 = 2011-13)*
- **WHO:** *guidance - 11 member Science Steering Committee + Pls  
**BOEM-funded Project** – Heather Crowley (COR)  
Project Coordinator - Lisa Guy  
Project Management - NOAA/PMEL; NOAA/Fisheries S&T  
Integration and Synthesis - multiple laboratories*

<http://www.arctic.noaa.gov/soar/>



# 2012-13: Key Milestones

**MARCH 2012**

## Science Workshop

Synthesis Themes  
Project Teams (PT)

**June 2012-present**

## Integration & Analysis

PT Proposals = \$\$  
Quarterly Updates

**2013**

## Science Products

Peer-review Papers  
Science Presentations  
Education Outreach

# SOAR - Journal Outline

1. Faster-than-modeled sea ice loss, effects on primary production & anthropogenic impacts (6 papers)

2. Impacts of 'New State' of the Pacific Arctic on marine mammal & seabird prey (5 papers)

3. Marine mammal and seabird adaptation to 'New State' of the Pacific Arctic (6 papers)

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- 20 projects proposed for synthesis @ Workshop

- 14 projects are moving forward in SOAR, Phase I

See PacMARS-SOAR Synergies Table for Lead Author &

Topics of anticipated manuscripts



# SOAR = Opportunity

- Opportunity to **THINK** about what can be learned about the marine ecosystem by *synthesis* of data & observations across disciplines
- \$upport for **ANALYSIS & PUBLICATION**
- Opportunity in Phase II for follow-up on **QUESTIONS** that arise during Phase I
- Opportunity to improve **UNDERSTANDING** of the marine ecosystem in support of future science, community support and resource management