

# Refreshing Our Ocean Research Priorities

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Joint Subcommittee on Ocean  
Science and Technology (JSOST)



# Objectives of Briefing



1. Provide Joint Subcommittee on Ocean Science and Technology (JSOST) Background and Current Status
2. Describe the Ocean Research Priorities Plan and Implementation Strategy (ORPPIS) Refresh Process
3. Request Community Input

# JSOST Agencies



## JOINT SUBCOMMITTEE ON OCEAN SCIENCE AND TECHNOLOGY (JSOST)

Arctic Research Commission

Department of Agriculture

Department of Commerce

National Oceanic and Atmospheric Administration

Department of Defense

Office of Naval Research

U.S. Army Corps of Engineers

Department of Energy

Department of Health and Human Services

Centers for Disease Control and Prevention

Food and Drug Administration

National Institutes of Health

Department of Homeland Security

U.S. Coast Guard

Department of Interior

Mineral Management Service

U.S. Geological Survey

Department of Justice

Department of State

Department of Transportation

Maritime Administration

Environmental Protection Agency

Executive Office of the President

Council on Environmental Quality

Domestic Policy Council

Office of Management and Budget

Office of Science and Technology Policy

Joint Chiefs of Staff

Marine Mammal Commission

National Aeronautics and Space Administration

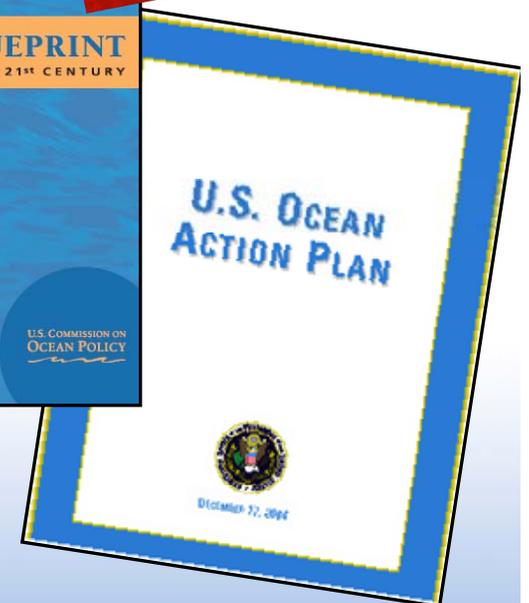
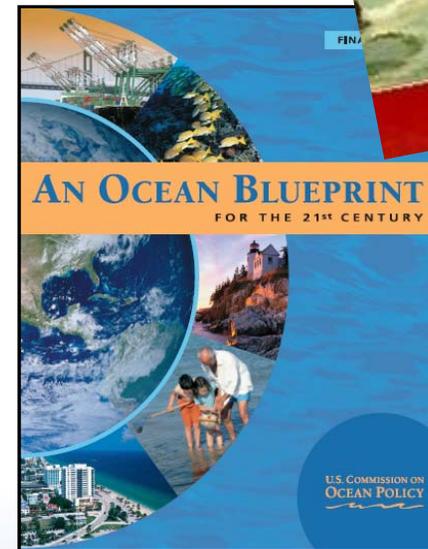
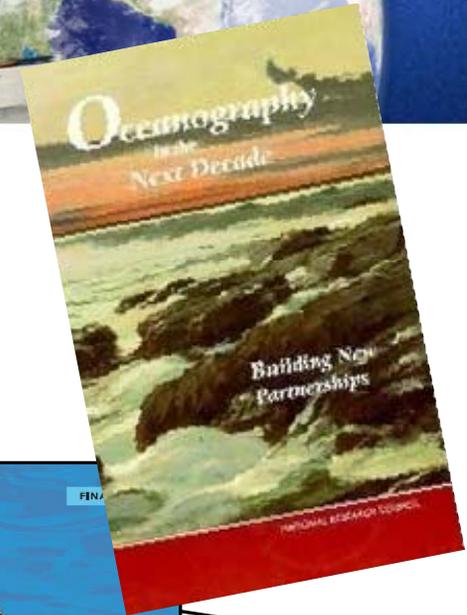
National Science Foundation

Smithsonian Institution



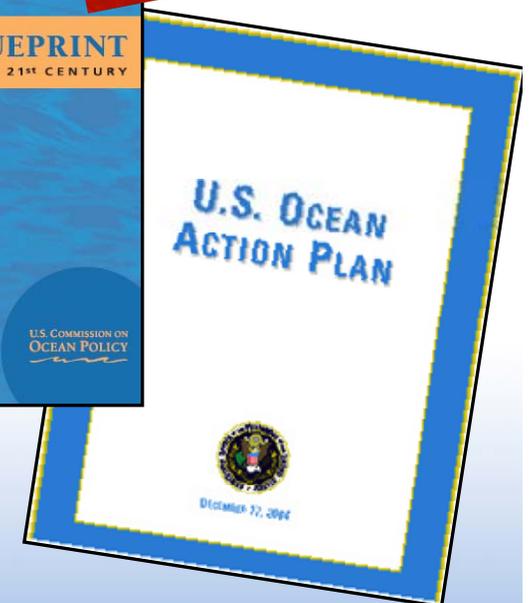
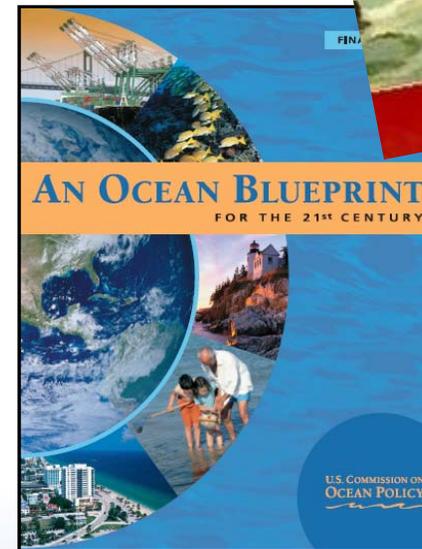
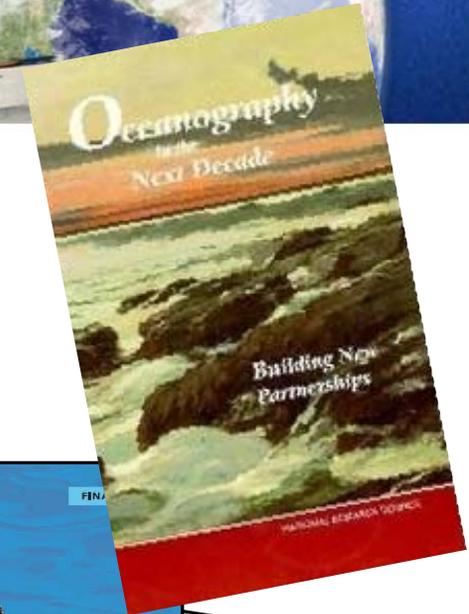
# History of JSOST...

- National Oceanographic Partnership Program (NOPP), National Ocean Research Leadership Council (NORLC), and Ocean Research and Resources Advisory Panel (OR(R)AP) established under law in 1997
- Joint Subcommittee on Oceans (JSO) created under National Science and Technology Council (NSTC) structure in 2003
  - Committee on Environment and Natural Resources (CENR) and Committee on Science (CoS)



# ...Continued History of JSOST

- Joint Subcommittee on Ocean Science and Technology (JSOST) and Interagency Committee on Ocean Science and Resource Management Integration (ICOSRMI) created by US Ocean Action Plan in 2004
- JSOST reports through the ICOSRMI and CENR
- Details of structure may change based on recommendations of the Interagency Ocean Policy Task Force



# JSOST's Portfolio



## ■ **STRATEGIC PRIORITIES**

- ORPPIS published in 2007 – first set of national ocean research priorities
- Interagency Ocean Research and Technology Priorities Memo for FY 2010 and 2011
- National Research Council Study, *An Ocean Infrastructure Strategy for U.S. Ocean Research in 2030* (in process)

## ■ **BUDGET INITIATIVES**

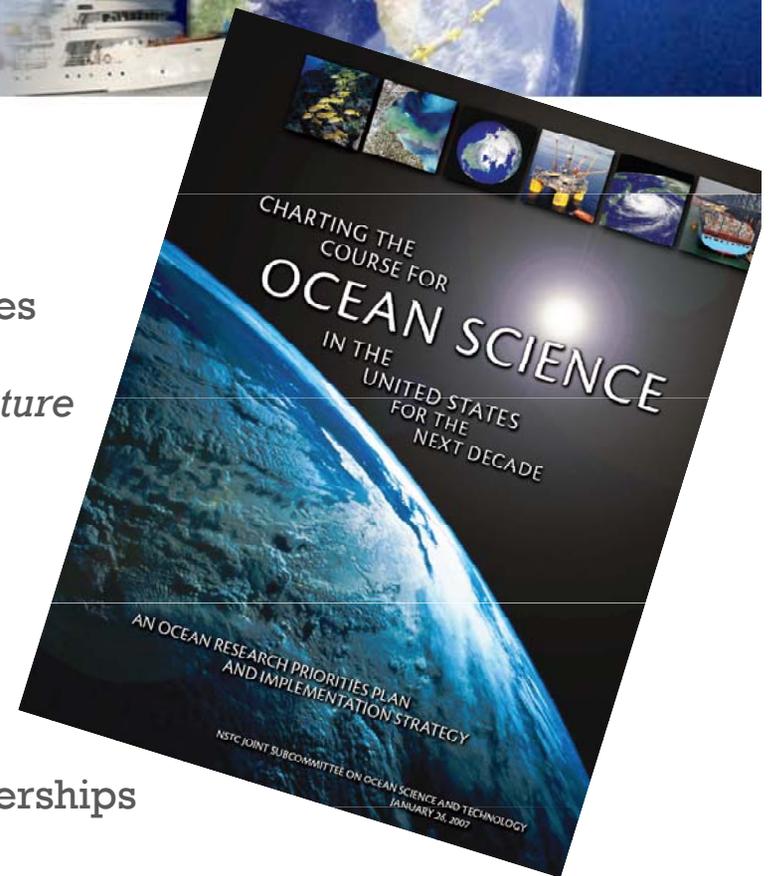
- Near-term Priorities - \$40M add-on to 2008 President's Budget

## ■ **PROJECT MANAGEMENT**

- ~\$110M for NOPP since creation of IWG-Ocean Partnerships

## ■ **REPORTING**

- 10+ legislatively mandated reports produced
- Integrating Ocean Science and Resource Management: Interagency Transition Report (joint report with SIMOR)
- 2006-07 and 2008-09 (in progress) Federal Ocean and Coastal Activities Reports to Congress



# New Legislation



- **Omnibus Public Land Management Act of 2009 (P.L. 111-11)**
  - JSOST sub-bodies investigating leadership roles in additional JSOST-relevant components of the Omnibus.
    - **Integrated Coastal and Ocean Observation System Act**
      - Exploring JSOST role through IWG on Ocean Observations
    - **Ocean and Coastal Mapping Integration Act**
      - Exploring JSOST role through IWG on Ocean and Coastal Mapping
    - **Ocean Exploration**
      - Possible JSOST role establishing the Ocean Exploration and Undersea Research Technology and Infrastructure Task Force
    - **Federal Ocean Acidification Research and Monitoring Act of 2009**



# New Ocean Acidification Activities



- Federal Ocean Acidification Research and Monitoring Act of 2009 calls for JSOST to establish an Interagency Working Group on Ocean Acidification (IWG-OA)
- The IWG-OA will:
  - Prepare a strategic research plan
  - Prepare reports to Congress
  - Facilitate communication and outreach
  - Establish OA Information Exchange
  - Facilitate interagency and international coordination
  - Coordinate OA activities with SIMOR and other Federal activities
  - Report on plans and activities to JSOST and other overseeing bodies



# ORPPIS Refresh: Overview



- Interagency Ocean Policy Task Force's interim report calls for updated ORPPIS
- Public comments received on ORPPIS via Federal Register Notice and Dear Colleague Letter
- Public input also received at MTS/IEEE Oceans 2009 and AGU 2009 Fall Meeting town halls
- Sectors represented: academic, government, non-profit, industry, and general public
- General concurrence with societal themes

# ORPPIS Refresh: Public Input



## ■ Topics raised repeatedly in comments:

- Ocean acidification / Climate change
- Infrastructure (vessels, drilling, sensors, workforce, etc.)
- Improved modeling
- Marine spatial planning
- Education / Ocean literacy
- Ocean observations

## ■ Common questions:

- How will Ocean Policy Task Force activities impact these priorities?
- What has been the outcome of recent JSOST planning efforts?
- How will international partnerships be incorporated?
- How will JSOST interact with state and local governments?
- Other than climate, what other environmental issues are on the radar? What about geo-engineering mitigation?

# ORPPIS Refresh: JSOST Retreat



## ■ Elements of Revised Societal Themes

- Progress to date
- Tie to Ocean Policy objectives
- Alignment with Administration priorities of economy, health, and security
- Cross-cut between Societal Themes
- Regional applicability
- Life Cycle Loop: Observations to modeling to infrastructure to decision tools

## ■ Draft Principles

- Integration of social sciences and education with ocean S&T
- Strong partnerships at all levels: interagency, regional, global
- Increasing and continuing engagement of stakeholders
- Serve as basis for entity planning and program development

# ORPPIS Refresh: Discussion



- How have research issues, challenges, and capabilities evolved?
- Other than the priorities, what other portions of the ORPPIS should be updated?
- How best to continue interaction with the community during refresh?
- How best to implement the ORPPIS?

# JSOST



- Record of productivity
- Positioned for challenges
- Connectivity with community

↳ How to move forward?



*Questions?*



# Background Slide





**Committee on Ocean Policy**  
Chair: CEQ (Cabinet Level)

**Interagency Committee on Ocean Science and Resource Management Integration**  
Co-Chairs: OSTP/CEQ

Ocean Research and Resources Advisory Panel (ORRAP)

NSC Environment Policy Coordinating Committee  
Oceans Sub-Policy Coordinating Committee  
Chair: State

**Extended Continental Shelf Task Force**  
Co-Chairs: State/DOI/NOAA

**NSTC Joint Subcommittee on Ocean Science and Technology\***  
Co-Chairs: OSTP/NSF/NOAA

**Subcommittee on Integrated Management of Ocean Resources**  
Co-Chair: CEQ/DOI/EPA/NOAA

Interagency Working Group on Harmful Algal Blooms, Hypoxia and Human Health

Interagency Working Group on Facilities

Joint Interagency Working Group on Ocean Education

Interagency Working Group on Ocean Observations

Interagency Working Group on Ocean and Coastal Mapping

Interagency Working Group on Ocean Partnerships

Interagency Board on Deep Sea Corals and other Vulnerable Ecosystems

Interagency Working Group on Ocean Acidification

Interagency Task Force on Anthropogenic Sound and the Marine Environment

**National Science and Technology Council**  
Chair: President (Cabinet Level)

**Committee on Environment and Natural Resources**  
Co-Chairs: OSTP/EPA/NOAA

**NSTC Joint Subcommittee on Ocean Science and Technology**  
Co-Chairs: OSTP/NSF/NOAA