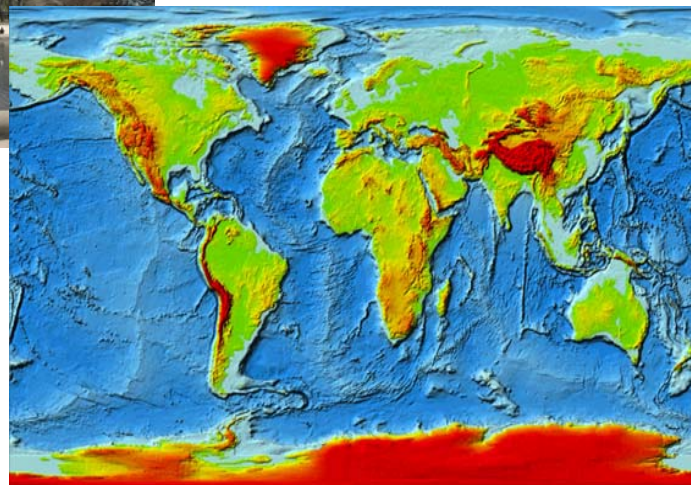
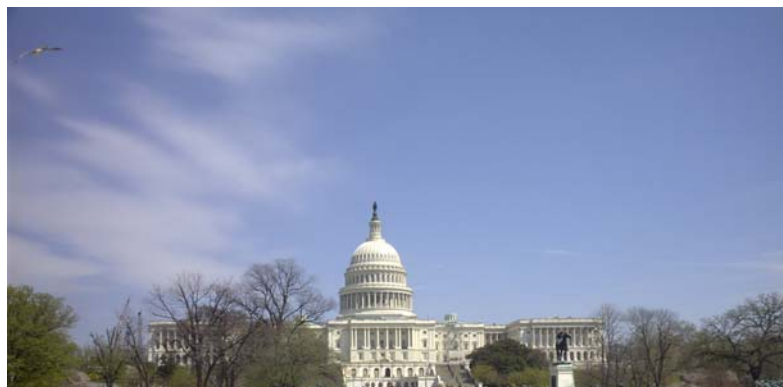


## “CORE External Affairs Ocean Update”



**Nina Young**  
**Deputy Director for External**  
**Affairs**



**CORE**

Consortium for  
Oceanographic  
Research and  
Education



**CORE mission is to advance ocean research, education and policy by:**

- **Facilitating ongoing ocean research programs and investments by public, private and government institutions;**
- **Promoting ocean literacy through education in the ocean sciences and fostering collaborations between scientists and educators;**
- **Advocating ocean research and policies on behalf of the academic and industry ocean community;**
- **Promoting awareness and appreciation of the oceans.**

- **Only 25% of Americans can find the Gulf of Mexico or the Pacific Ocean on a map.**
- **21% know that oceans produce more of the earth's oxygen than forests**
- **14% know that the main source of ocean pollution is from runoff from yards, pavement and farms**
- **Most people thought OSHA was the nation's ocean agency**
- **45% agree with the statement that "What I do in my life doesn't impact ocean health much at all."**
  
- **Take home message: The public doesn't have a good understanding of how the ocean impacts their lives or why the oceans are important**

## America's Living Oceans

CHARTING A COURSE FOR SEA CHANGE

FINAL REPORT

Pre-Publication Copy

### AN OCEAN BLUEPRINT FOR THE 21<sup>ST</sup> CENTURY

U.S. COMMISSION ON  
OCEAN POLICY

UNITED STATES COMMISSION ON

# OCEAN POLICY



PEW

OCEANS  
COMMISSION

## U.S. OCEAN ACTION PLAN



DECEMBER 17, 2004



COUNCIL ON ENVIRONMENTAL QUALITY CEQ  
INTERAGENCY OCEAN POLICY GROUP

## President Bush signs Executive Order and releases U.S. Ocean Action Plan

*“Our oceans sustain an abundance of natural wonders, enable the transportation of vital goods, and provide food and recreation for millions of Americans. My Administration is working with every level of government, the private sector, and other non-governmental organizations to advance the next generation of ocean policy.”*



President George W. Bush  
September 20, 2004  
Release of the Final Report of the  
U.S. Commission on Ocean Policy



# Committee on Ocean Policy

Chair: CEQ

Ocean Research and Resources Advisory Panel

Education Sub-Panel

Industry Sub-Panel

Interagency Committee on Ocean Science and Resource Management Integration

Co-Chairs: OSTP, CEQ

Global Environment Policy Coordinating Committee Subcommittee on Ocean Policy Chair: DOS

NSTC Joint Subcommittee on Ocean Science and Technology

Co-Chairs: OSTP, NSF, NOAA

Subcommittee on Integrated Management of Ocean Resources

Co-Chairs: CEQ, NOAA, DOI, EPA

IWG on Ocean Education

IWG on Ocean and Coastal Mapping

IWG on Harmful Algal Blooms, Hypoxia and Human Health

IWG on Partnership Programs

IWG on Infrastructure

IWG on Ocean Observations

Ocean.US



# Ocean Science Congressional Jurisdiction

## House of Representatives

(10 Committees, 22 Subcommittees)

### Appropriations

- Commerce, Justice, State and Judiciary (NOAA)
- Defense (ONR, ARPA)
- Energy and Water Development (DOE)
- Homeland Security
- Interior (USGS, MMS)
- Labor, HHS and Education (NIEHS)
- VA, HUD and Ind. Agencies (NSF, NASA, EPA)

### Armed Services

- Terrorism, Unconventional Threats and Capabilities (ONR, ARPA)

### Budget (all agencies)

### Energy and Commerce

- Energy and Air Quality (DOE)
- Environment and Hazardous Materials (EPA, NOAA)
- Oversight and Investigations (EPA, DOE, NOAA)

### Government Reform and Oversight

- Energy Policy, Nat'l Resources and Reg. Affairs
- National Security, Emerging Threats and Int'l Rel.

### Homeland Security (Select)

- Cybersecurity, Science and Research & Development

### Resources

- Energy and Mineral Resources (USGS, MMS)
- Fisheries Conservation, Wildlife and Oceans (NOAA)

### Science

- Energy (DOE)
- Environment, Technology & Standards (NOAA, EPA, DOE)
- Research (NSF)
- Space and Aeronautics (NASA)

### Intelligence (Permanent Select) (DOD)

### Transportation and Infrastructure

- Coast Guard and Maritime Transportation
- Water Resources and Environment (EPA)

(7/03)



# Ocean Science Congressional Jurisdiction

## U.S. Senate

(11 Committees, 15 Subcommittees)

### **Agriculture, Nutrition and Forestry**

- Research, Nutrition and General Legislation (USDA)

### **Appropriations**

- Commerce, Justice, State and Judiciary (NOAA)
- Defense (ONR, ARPA)
- Energy and Water (DOE)
- Homeland Security
- Interior (USGS, MMS)
- Labor, HHS and Education (NIEHS)
- VA, HUD and Ind. Agencies (NSF, NASA, EPA)

### **Armed Services**

- Emerging Threats and Capabilities (ONR, ARPA)

### **Budget** (all agencies)

### **Commerce, Science, and Transportation**

- Oceans, Fisheries and Coast Guard (NOAA, USCG)
- Science, Technology and Space (NSF, NASA)

### **Energy and Natural Resources**

- Energy Research and Development (DOE)

### **Environment and Public Works**

- Clean Air, Wetlands, Priv. Prop., Nuc. Safety (EPA)
- Fisheries, Wildlife, and Water (NOAA)

### **Foreign Relations** (UNCLOS & Int'l Whaling)

### **Governmental Affairs**

- Permanent Investigations (all agencies)

### **Health, Education, Labor and Pensions**

### **Select Intelligence** (DOD)

(7/03)



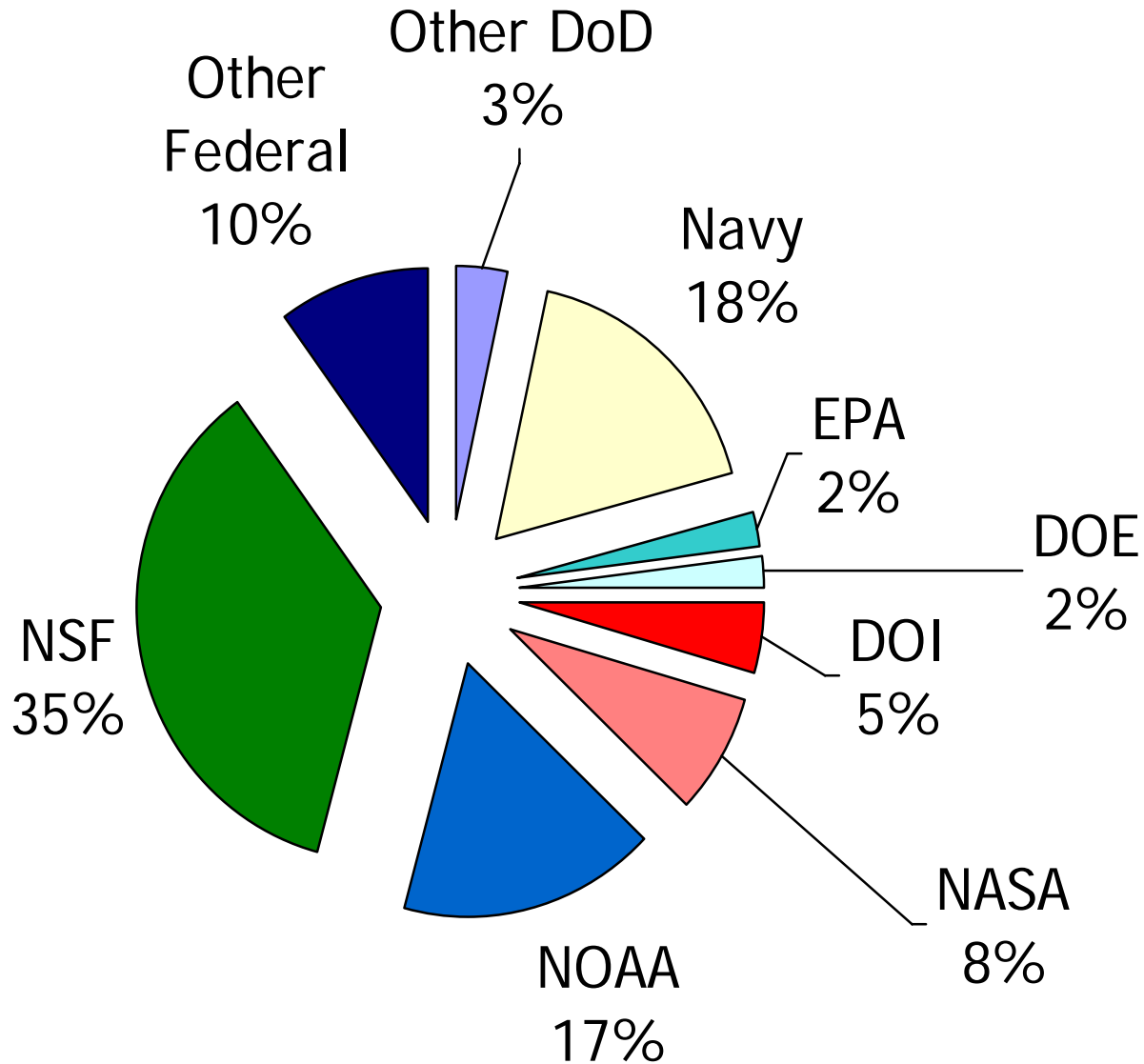
## Ocean Advocacy: 2006 Priorities

- > Grow Budget of NSF and Fund OOI
- > Strengthen NOAA Research Programs
- > Implement IOOS
- > Pass NOAA Organic Legislation
- > Enhance Ocean Fleet Infrastructure
- > Increase Navy Basic Research (6.1)
- > Support Oceans and Human Health Initiatives
- > Support Ecosystem-based Ocean and Coastal Management
- > Resolve Issues on Marine Mammals and Sound
- > Support Marine Scholarship Programs and Increase Investments in Ocean Sciences Education
- > Support Ocean Remote Sensing

- **Solidify CORE’s reputation as respected voice of the ocean science and education community**
- **Increase appreciation of the oceans by Congress, the Administration, Federal Agencies, NGOs, and the Public**
- **Effectively represent and assist the ocean research and education community**
- **Expand stakeholder participation and support for ocean science and education**



## Federal Investment in Ocean Science Research





# How Do We Get There?

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## **Government Relations**

- **Federal Agencies**
- **OMB**
- **Congress - Build relationships with and Educate Members and Staff on Capitol Hill**
  - **Meetings, briefings and forums on Capitol Hill**
  - **Educational visits to CORE institutions**

## **Public Relations**

- **Press/Public Events, Articles, Op-Eds**
- **Distribute & Repackage Media Hits**
- **SCAMPI**
- **Marketing Strategy**

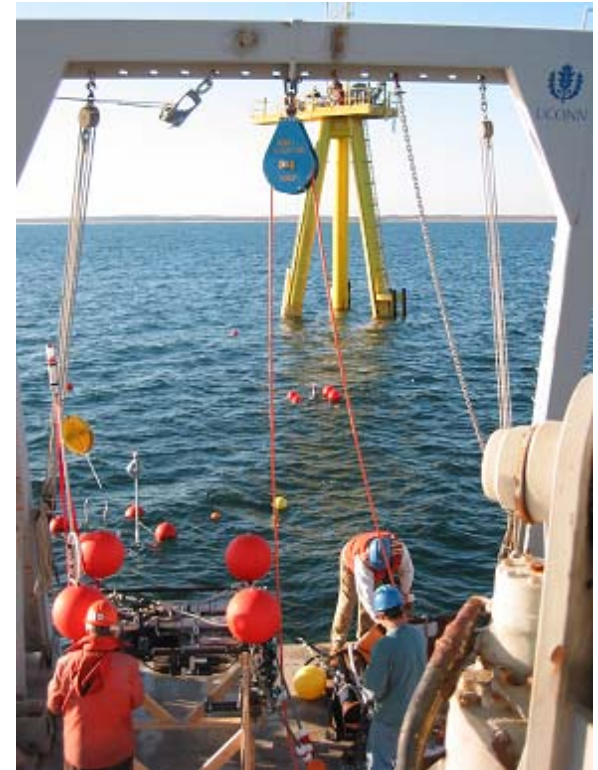
# **CORE** 1. Grow NSF Budget and Fund OOI

**Goal: NSF at \$6.1 billion & OOI at \$13.5 million**

**Status: President's budget meets goal**

**Strategies: Support President's Budget**

- **Work with Coalition for NSF**
- **CORE letters & congressional testimony**
- **Met with Appropriators & Staff**
- **Developed OOI briefing materials**
- **Capitol Hill OOI Briefings in May**



## 2. Support NOAA Organic & Governance Legislation



**Status: H.R.50 Markup today  
House Science Committee, also  
referred to Resources  
Committee**

**Strategies: Work with House  
Resources & Senate  
Commerce to develop  
legislation to implement  
Commission governance  
recommendations**

## Ocean Research Priorities Plan & Implementation Strategy

- **CORE submitted comments in November and May**
- **Convene Policy Steering Group for input into *ORPPIS***
- **Input process--**
  - Public comment period March through May 2006
  - Public scoping meeting April 18-20 2006
  - National Academy Review
  - ORAP Review
- **Plan Due December 2006**

### **Goal:**

- **Pass Authorizing Legislation**
- **Secure Funding for IOOS at \$138 in FY07 and \$150 million in FY08**

### **Status:**

- **S.361 Passed Senate**
- **No earmarks for RA in Budget Request**

### **Strategies:**

- **Draft Authorizing Legislation**
- **IOOS Stakeholders Resolution & Letters to Hill**
- **Hill, Department of Commerce & OMB Briefings**

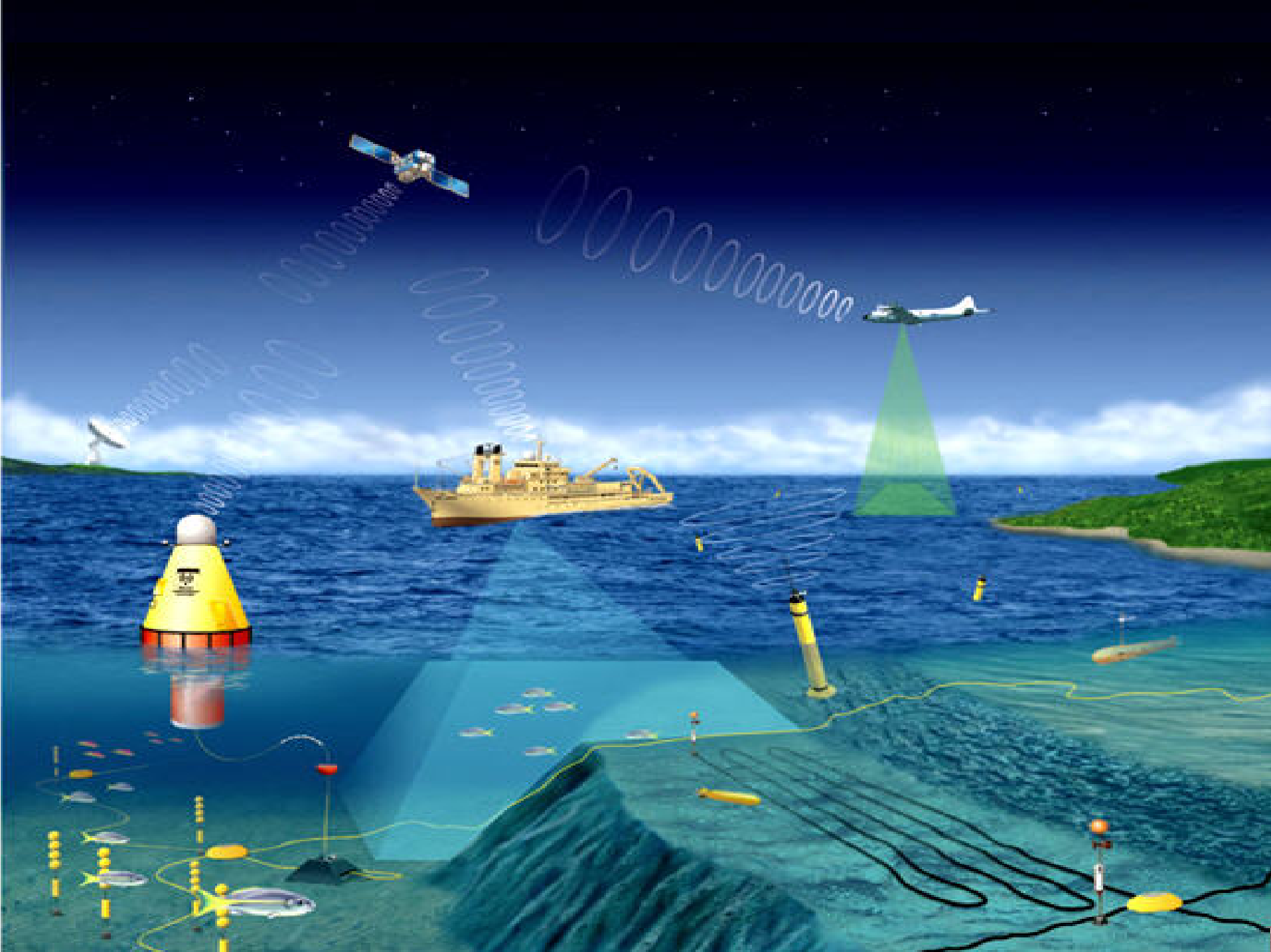


## **IOOS Produces & Serves *Information* -- 7 Societal Goals**

- 1. Predict climate change and effects**
- 2. Mitigate natural hazards**
- 3. Improve maritime operations**
- 4. Improve national security**
- 5. Reduce public health risks**
- 6. Protect/restore coastal ecosystems**
- 7. Enable sustained use of coastal and ocean resources**



IOOS metric for success: Safety and Economic Security

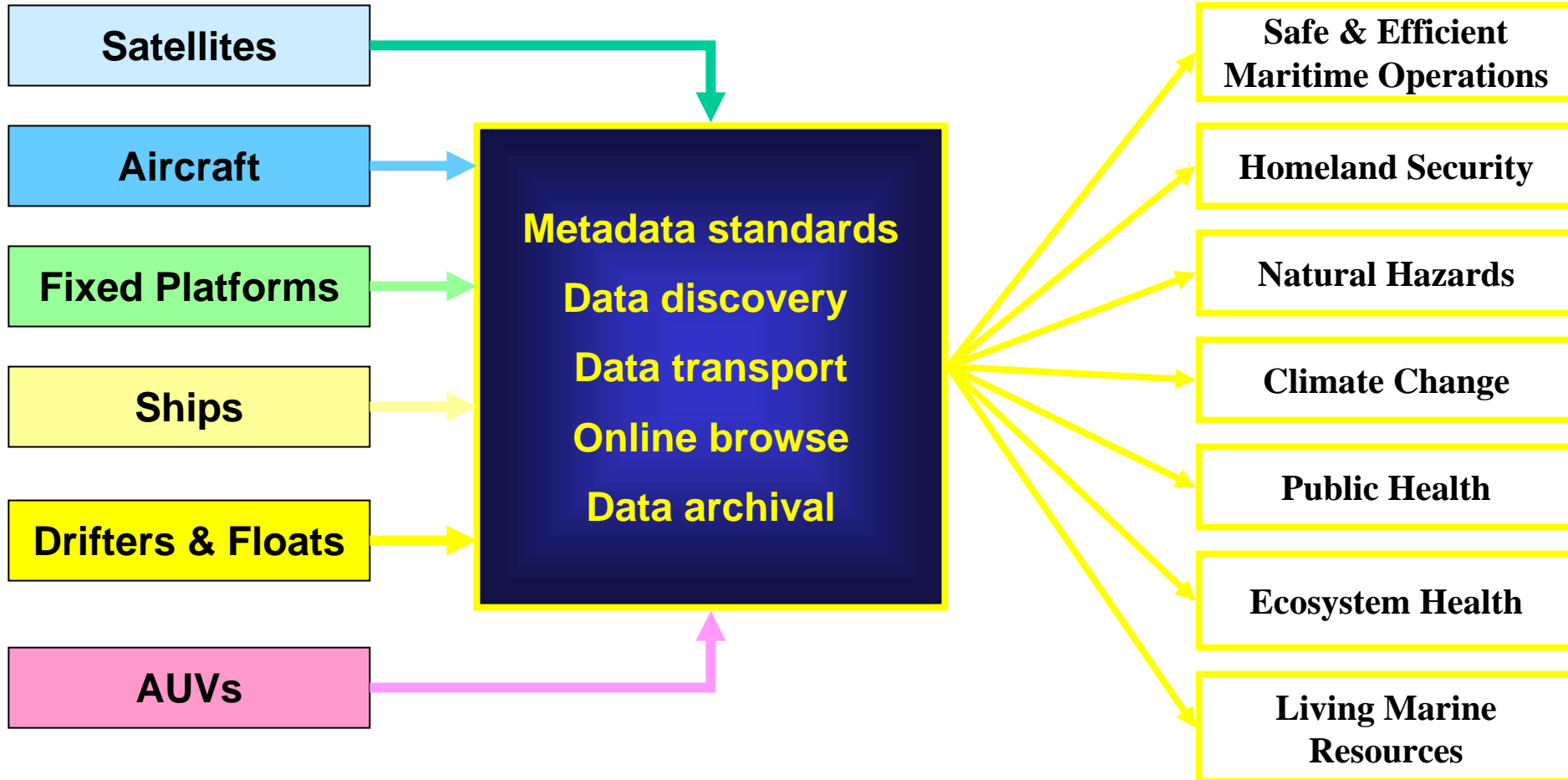


**Observing  
Subsystem**

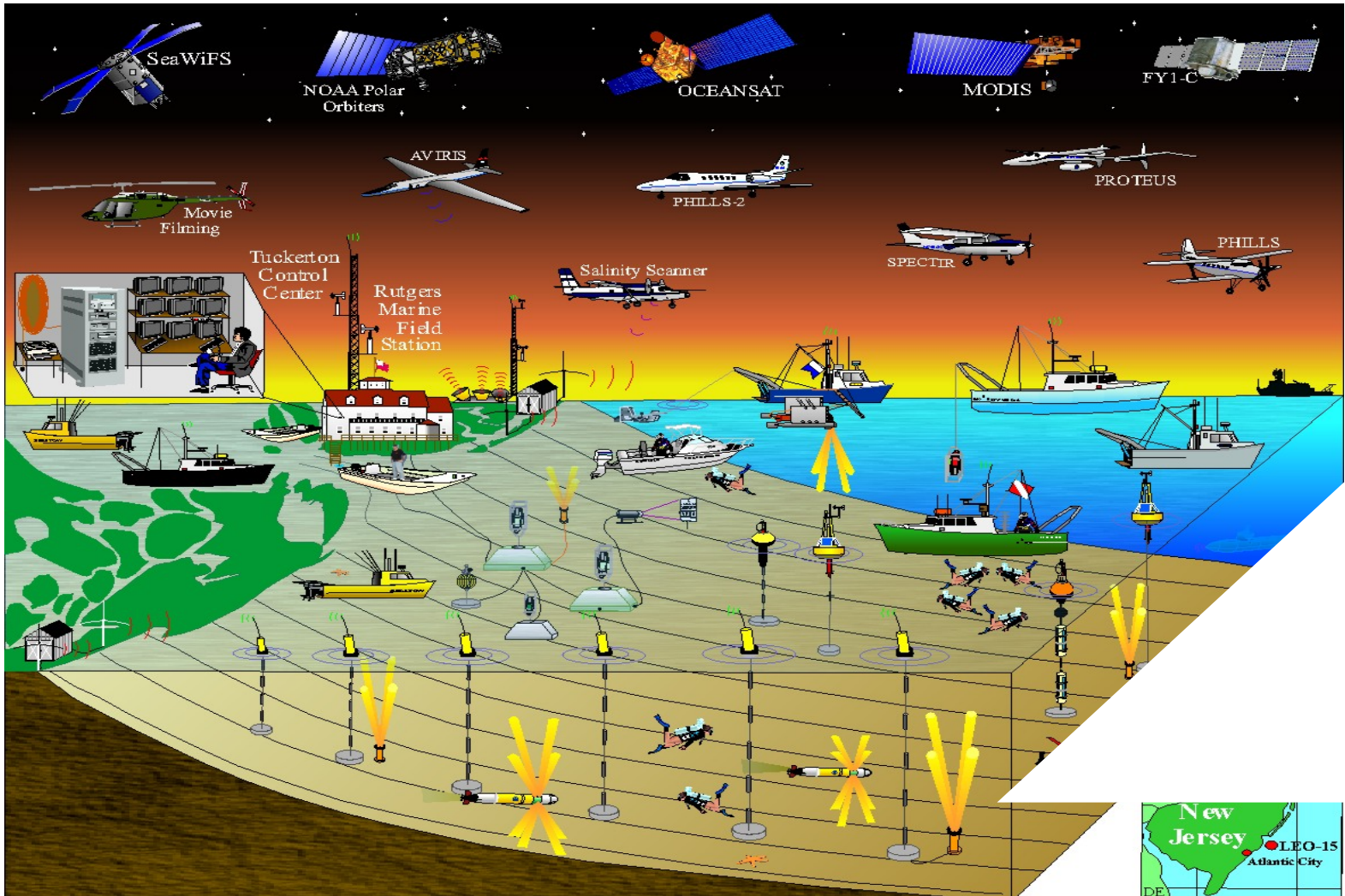
**DMAC  
Subsystem**

**Modeling & Analysis  
Subsystem**

**Societal Goals**



## Integration



# **CORE** 4. Strengthen NOAA Research Programs

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**Goal: Increase funding for NOAA extramural research and discretionary base programs**

**Status:**

- **Core programs cut below FY06 enacted levels**
  - **NOS - \$177 million cut**
  - **OAR - \$31 million cut**

**Strategies: \$4.5 billion plan**

- **Friends of NOAA**
- **Letters to, testimony for and meetings with appropriators & staff**
- **Hill Briefings w/ House Oceans Caucus**

## Friends of NOAA

- **Formed in 2006 by CORE**
- **Supporting \$4.5 billion NOAA budget in FY2007**
- **Currently consists of 37 organizations**
- **Represents environmental, research, commercial, industrial and employee groups**
  
- **Activities:**
  - **Letters to Appropriators**
  - **Congressional Briefings & NOAA materials**
  - **Meetings with Appropriation Committee Staff**
  - **Friends of NOAA Website**

## **5. Ocean Research Fleet Infrastructure**

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**Goal:** Long-term plan and funding for the acquisition, maintenance, and operation of the academic fleet

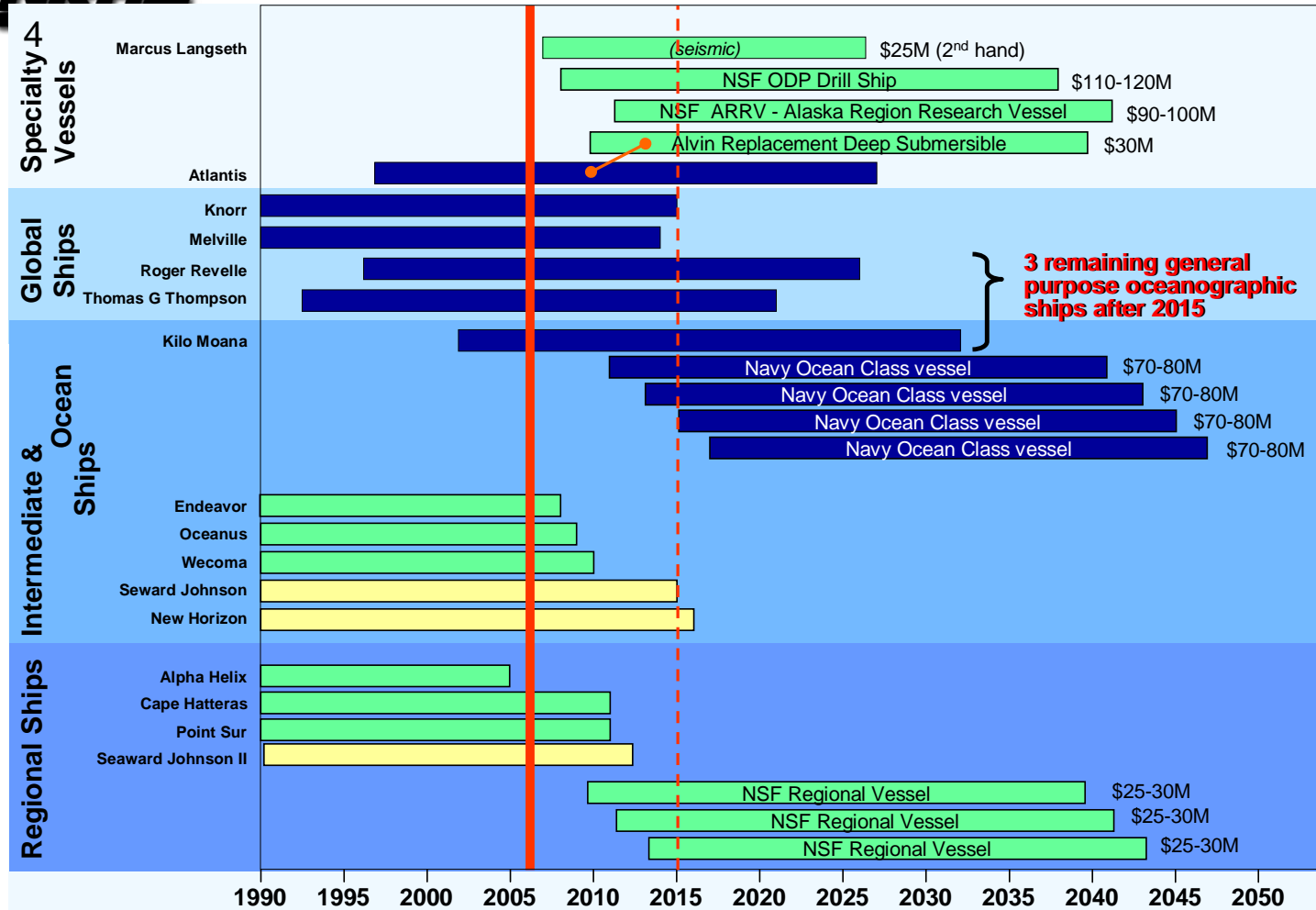
**Status:**

- NSF - \$11.5 million plus-up for construction of 3 regional class vessels over 6 years
- NSF – MREFC start for ARRV to replace Alpha Helix
- NAVY – Budget provides for \$25M for ship in 6.1 basic research

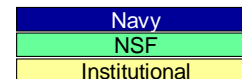
**Strategies:**

- Meet with Armed Services Committee Members & CNR
- DoD Appropriation Letter & Testimony
- Federal Oceanographic Facility Committee (FOFC)
- Naval Research Advisory Committee (NRAC)

## UNOLS Fleet Renewal National Plan



3 remaining general purpose oceanographic ships after 2015





# **CORE** 6. Supporting Navy Basic Research

---

**Goal: Increase Navy Basic Research (6.1) to \$525 million in FY2007**

**Status: President's FY07 Budget**

- **Increases DOD RDT&E by 8%**
- **Cuts NAVY RDT&E by 1.8 billion**
- **Cuts NAVY 6.1 basic research by \$20 million**

**Strategies:**

- **Coalition for National Security Research (CNSR)**
- **Send DoD Letter & Testimony**
- **Comment on Quadrennial Defense Review**

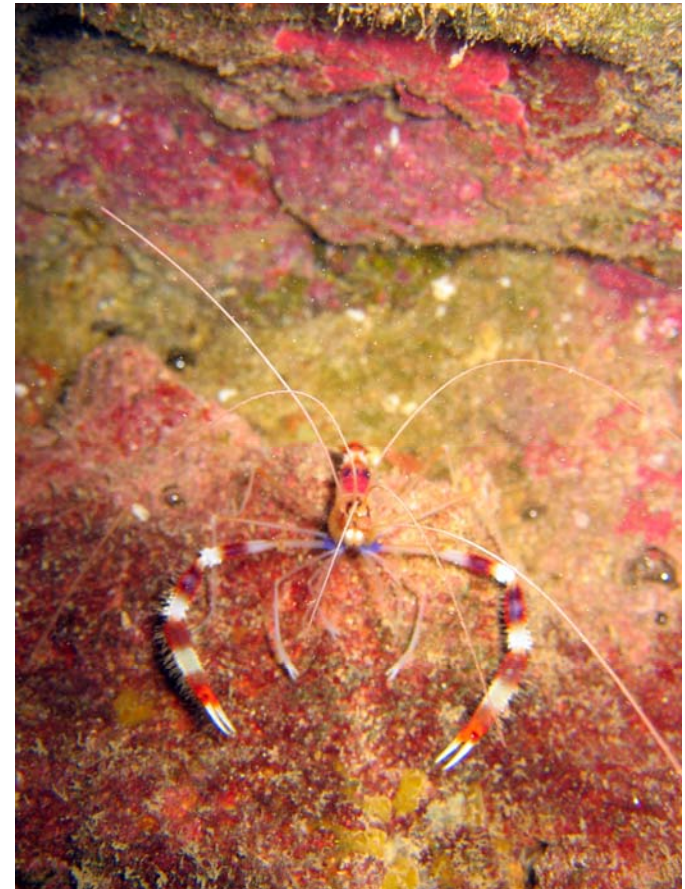
**Goal: Secure funding for Oceans & Human Health Initiatives**

**Status:**

- **OHHI at NOAA is not funded in FY07 request**

**Strategies:**

- **Support the OHHI in the NOAA Budget at a level of \$17 million annually**
- **NOAA and CORE will work to develop a traineeship program related to OHHI**
- **Work with its members and Congress to develop legislation to further our understanding of oceans and human health**



# **CORE** 8. Ecosystem-based Management

---

**Goal:** Secure provisions in legislation (MSFCMA) that establishes a marine ecosystem research program; and adopt an ORPPIS that is an ecosystem-based research strategy that optimally involves universities and research institutions in its implementation

**Status:**

- **S. 2012 Fishery Conservation and Management Amendments**
  - **authorizes Councils to include measures to protect marine ecosystems and consider ecological factors**
  - **Requires a study on the state of ecosystem science.**
- **ORPPIS proposes more of an ecosystem-based research objective**

**Strategies:**

- **Support passage of FCMA**
- **Comment on and participate in finalization of ORPPIS**

**Goal:** Develop an implementation strategy with the Administration to make progress on the recommendations of the Ocean Commission Report and the NRC reports related to Marine Mammals and Sound

**Status:**

- Scientific Research Caucus Statement provided to MMC
- MMC will provide report to Congress on FACA in May, individual caucus statements are available now

**Strategies:**

- Establish Policy steering/drafting group
- Discuss with community what changes are needed to MMPA
- Develop amendments to MMPA to implement National Research Program and modify other provisions
- Work with other groups to gain support for amendments

## **10. Ocean Science Education & Marine Scholarships**

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**Goal:** Increase investments in ocean education and secure Congressional and agency support for national ocean science programs

**Status:**

- **CoOL—Conference on Ocean Literacy (June 2006)**
- **Ocean Literacy Coalition—supporting regional workshops and COOL**
- **PACE Competitiveness Legislation**

**Strategies:**

- **Support COOL and Ocean Literacy Coalition**
- **Work with COSEE centers to develop regional workshops**
- **Work to include ocean literacy & scholarships in PACE**
- **Encourage Hill participation and support of NOSB**

# 11. Remote Sensing

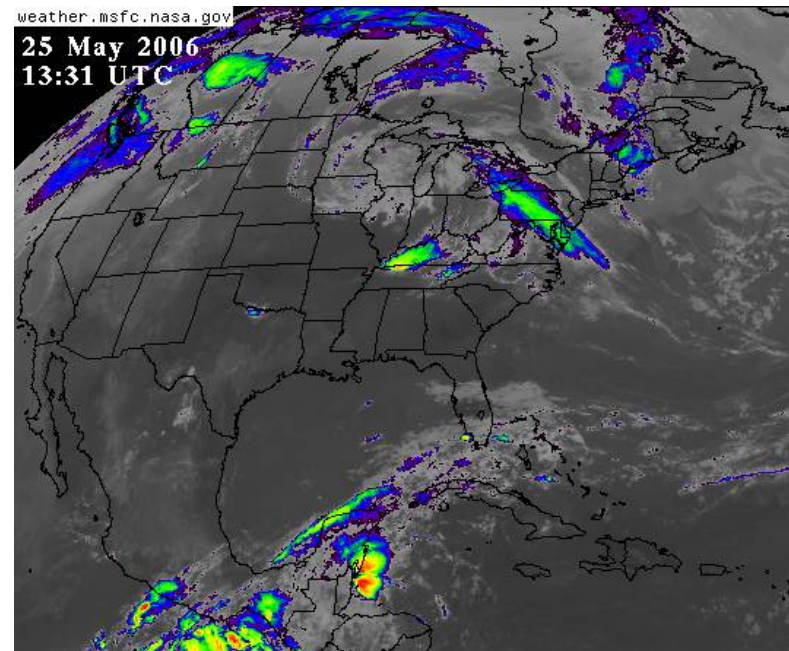
**Goal: Increase investment in remote sensing**

**Status:**

- NASA shuttle and space station missions are muscling out NASA science programs

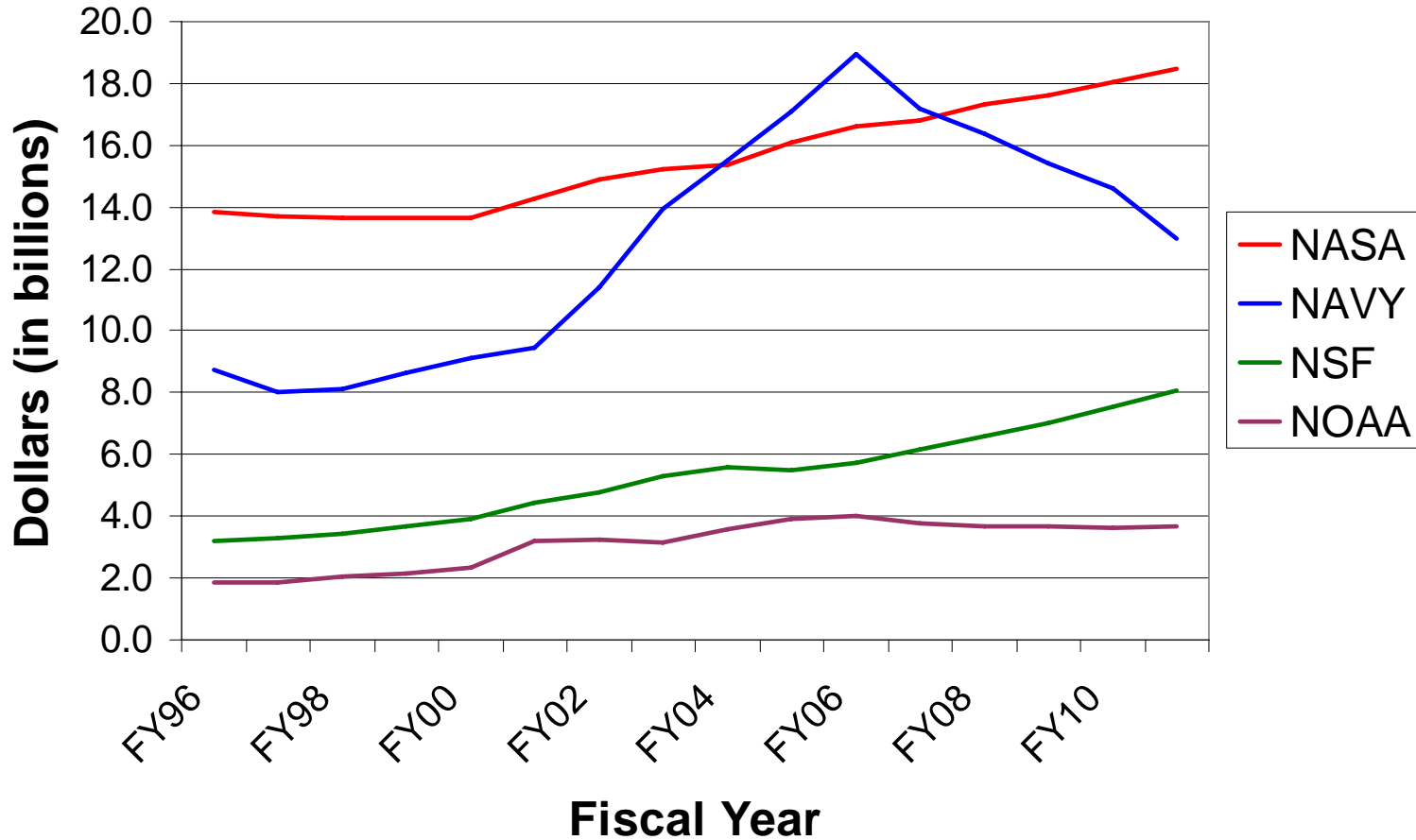
**Strategies:**

- Work to maintain the NASA Earth Science budget at current or higher levels
- Support continue investments in the development of new technologies



## III. Budget Outlook

# Budget Projections





## **February**

- **6th – President Submitted Budget**

## **March**

- **Budget Committees draft Budget Resolution**
- **Appropriation Committees hold hearings**

## **April**

- **Congress debates Budget Resolution by 4/15**
- **302(b) Allocations handed down to Subcommittees**
- **Appropriation Sub/Committees begin to markup bills**

## **May/June – Appropriation bills considered in House**

- **June 30<sup>th</sup> goal for House Completion of Appropriation bills**

## **July – Senate Considers Appropriation measures**

## **September – House/Senate Conference**

## **October 1<sup>st</sup> – Fiscal Year Begins**

Federal Ocean Sciences  
FY 2007 Appropriations  
Update

**FY 2007 is the 2nd year all three budgets are within one appropriations bill.**

**Both the Senate and House have reconstituted “CJS” Subcommittees**

**Senate Appropriations Subcommittee on Commerce, Justice and Science**

- Chairman: Senator Richard Shelby (R-AL)
- Ranking Minority Member: Senator Barbara Mikulski (D-MD)

**House Appropriations Subcommittee on Science, State, Justice and Commerce and Related Agencies**

- Chairman: Frank Wolf (R-VA)
- Ranking Minority Member: Alan Mollohan (D-WV)



# NATIONAL SCIENCE FOUNDATION

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|                       |                        |
|-----------------------|------------------------|
| <b>FY 2005</b>        | <b>\$5.481 billion</b> |
| <b>FY 2006</b>        | <b>\$5.581 billion</b> |
| <b>Admin. FY 2007</b> | <b>\$6.020 billion</b> |

**FY 2005    FY 2006    FY 2007**

(\$ in millions)

**National Science  
Foundation**

**5,481            5,581            6,020**

Research and  
Related Activities  
Geosciences

**4,235            4,331            4,666**

Directorate

**697              703              745**

Major Research  
Equipment

**165              191              240**

## Where we would like to be **\$4.5 billion**

- The Senate, with a \$4.5 billion allocation in FY 2006, provided NOAA 15% more than FY 2005 and 32% more than the House allocated for FY 2006.

### **NOAA (*in millions*)**

|                               |                |
|-------------------------------|----------------|
| <b>FY 2005</b>                | <b>\$3,906</b> |
| <b>FY 2006</b>                | <b>\$3,850</b> |
| <b>Administration FY 2007</b> | <b>\$3,681</b> |

## **NOAA Office of Oceanic and Atmospheric Research (OAR)**

|                               |                         |
|-------------------------------|-------------------------|
| <b>FY 2005</b>                | <b>\$ 404.1 million</b> |
| <b>FY 2006</b>                | <b>\$ 370.2 million</b> |
| <b>Administration FY 2007</b> | <b>\$ 338.3 million</b> |

## **NOAA National Ocean Service**

|                               |                         |
|-------------------------------|-------------------------|
| <b>FY 2005</b>                | <b>\$ 669.3 million</b> |
| <b>FY 2006</b>                | <b>\$ 590.4 million</b> |
| <b>Administration FY 2007</b> | <b>\$ 394.3 million</b> |



|   | <b>FY<br/>2005</b> | <b>FY 2006</b> | <b>FY 2007<br/>Request</b> |
|---|--------------------|----------------|----------------------------|
| <b>(\$ in millions)</b>                     |                    |                |                            |
| <b>NOAA</b>                                 | <b>3,906.3</b>     | <b>3,850.0</b> | <b>3,681.0</b>             |
| Education Programs                          | 18.3               | 37.5           | 19.3                       |
| Office of Oceanic & Atmospheric<br>Research | 404.1              | 370.2          | 338.3                      |
| Sea Grant College Program                   | 61.8               | 54.7           | 54.8                       |
| National Undersea Research Program          | 17.2               | 10.5           | 3.8                        |
| Ocean Exploration                           | 28.6               | 14.1           | 15.1                       |
| Climate & Global Change Research            | 67.5               | 68.5           | ??                         |
| Climate Observations & Services             | 53.1               | 98.3           | 60                         |
| National Ocean Service                      | 668.3              | 590.4          | 394.5                      |
| Ocean & Coastal Science & Research          | 59.6               | 53.9           | 47                         |
| Extramural Research                         | 19.8               | 9.8            | 15.8                       |
| Integrated Ocean & Coastal<br>Observations  | 36.8               | 31.3           | 28.8                       |
| Ocean Health Initiative                     | 17.7               | 5.0            | 0                          |



# **CORE** NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA)

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## **NASA**

**FY 2005**                                    **\$16.070 billion**

**FY 2006**                                    **\$16.623 billion**

**Admin. FY 2007**                        **\$16.792 billion**

## **NASA Science, Aeronautics and Exploration**

**FY 2005**                                    **\$9.335 billion**

**FY 2006**                                    **\$9.721 billion**

**Administration FY 2007**                **\$10.524 billion**

## ONR Basic (6.1)

|                       |                       |
|-----------------------|-----------------------|
| <b>FY 2005</b>        | <b>\$ 478 million</b> |
| <b>FY 2006</b>        | <b>\$ 475 million</b> |
| <b>Admin. FY 2007</b> | <b>\$ 456 million</b> |

*Additionally...*

**Will need report language in the House & Senate Appropriations bill expresses concern with Navy plans to use basic research funds for the construction of academic research vessels.**

## IV. Ocean Legislation

## **Adopted by Senate – Waiting House Action**

- **Coral Reef Conservation Act**
- **National Ocean Exploration Program Act**
- **Tsunami Preparedness Act**
- **Ocean and Coastal Observing System Act**
- **Marine Debris Research Prevention and Reduction Act**

## **Passed by Senate Commerce Committee**

- **Coastal Zone Enhancement Act**
- **Magnuson-Stevens Reauthorization**
- **Ballast Water Management Act**

# **CORE** House Ocean Legislation

---

## **Adopted by House**

- **None**

## **In Committee**

- **Coral Reef Conservation Act**
  - **No Action**
- **National Oceanic and Atmospheric Administration Act**
  - **Passed by Science Committee, Marked-up by Resources**
- **National Ocean Exploration Program Act**
  - **No Action by Science Com. & Hearing in Resources Committees**
- **Tsunami Preparedness Act**
  - **No Action by Resources Committee**

## **Ocean and Coastal Observing System Act**

- **Two bills in House, working to revise bill for possible action in Resources**

## **Marine Debris Research Prevention and Reduction Act**

- **Joint Hearing by Transportation and Resources and Reported by Resources**

## **Magnuson-Stevens Reauthorization**

- **Marked up week of May 15<sup>th</sup> in Resources, priority but action is questionable as there are many competing interests.**

## **Aquatic Invasive Species Research Act**

- **No Action**

# The End---Questions?

