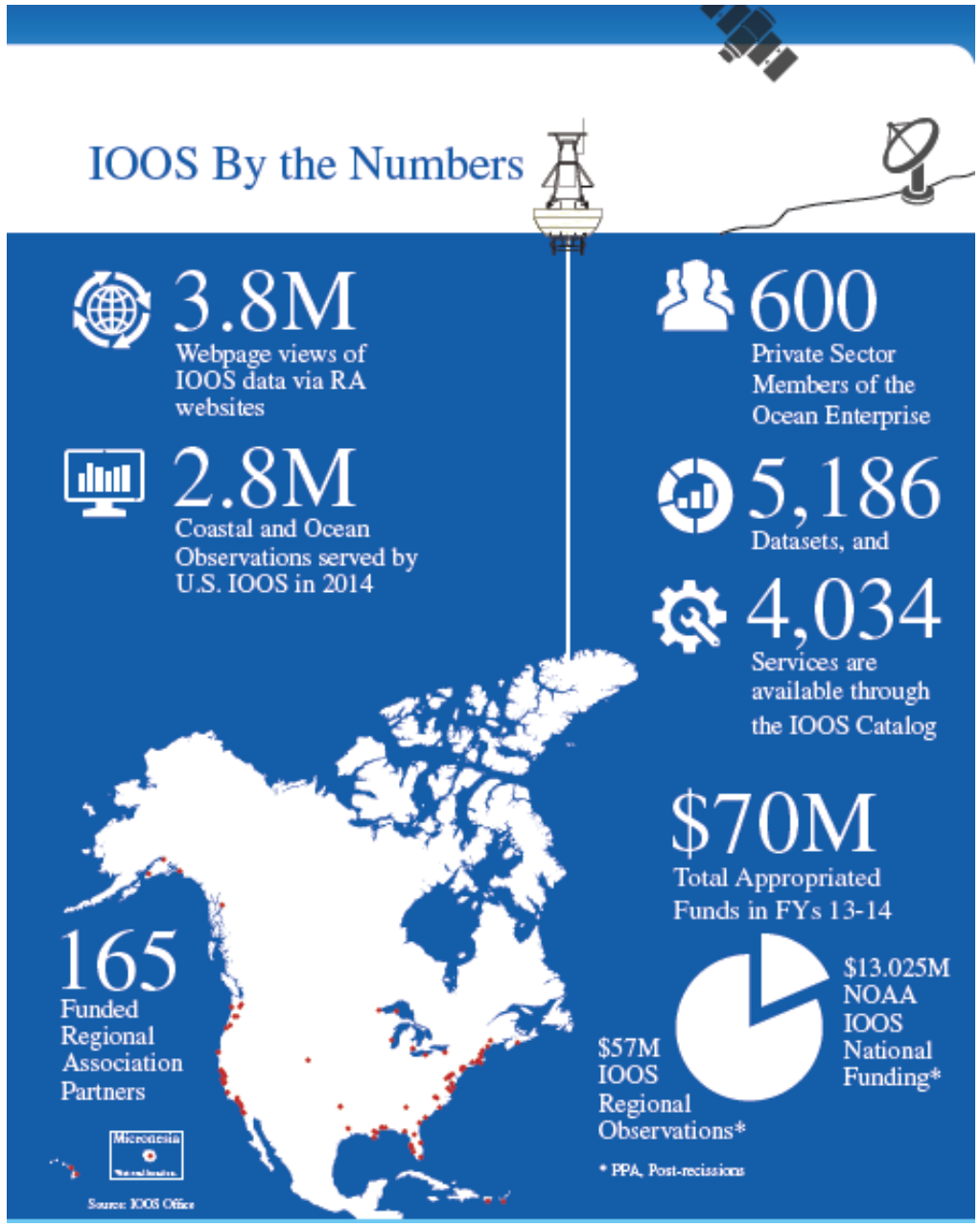
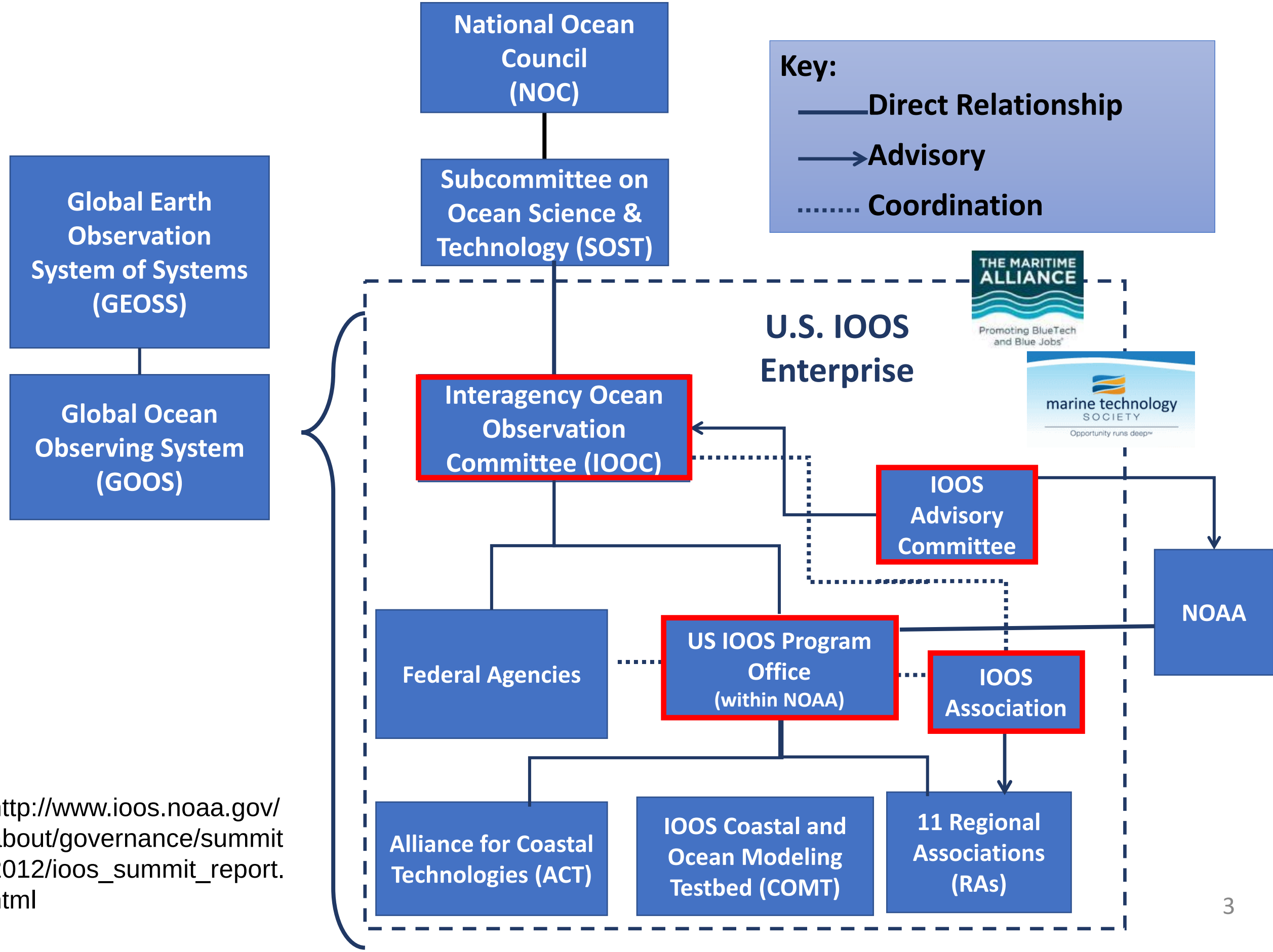
IOOS Program Office Update

George Jungbluth

May 20, 2015

IOOS By the Numbers





http://www.ioos.noaa.gov/about/governance/summit2012/ioos_summit_report.html

Staffing and Leadership Update

IOOS Office Changes: 75% of our 4 leadership positions changed in past 11 months

- New Deputy Director as of June 1, 2014 (Gouldman)
- Hired George Jungbluth as RB&P Division Chief starting Nov., 2014
- Hired Derrick Snowden as Operations and Communications Division Chief starting January 11, 2015
- Hired Kathleen Bailey as new Oceanographer in OPS-C division
- Nancy Seeger is new Communications point of contact
- Torie Ketcham is our part-time web developer
- 2 Vacancies - Next 6 months, 2 Physical Scientist/Oceanographers in the Operations and Communications Division

NOS Roadmap

- 3 Core Priorities:
  - Coastal Resilience: Preparedness, Response, Recovery
  - Coastal Intelligence
  - Place-based conservation

- Guides all strategic planning and new funding decisions within NOS.

- **IOOS has been successful in seeking additional support and new funding from NOS when linking activities to Roadmap priorities.**

Over-Arching Program Priorities

- Support NOAA, Federal and Regional Ocean observing capability.
- DMAC and Modeling Progress
- Implementation of ICOOS Act Requirements
- Continue to build governance and management of the enterprise

Forward Look FY2015 -16

- Marine Sensor Innovation
- Marine Biodiversity Observation Network (BON)
- Ocean Enterprise Study
- IOOS Advisory Committee
- Certification
- FY16 Federal Funding Opportunity
- Interagency Ocean Observation Committee
- Communicating IOOS successes to Agency Leaders and on the Hill

US IOOS Program Office: DMAC Focus

Image courtesy proactive IT

Implementation across the enterprise

Building community

Image courtesy steve-dale.net

Technical solutions

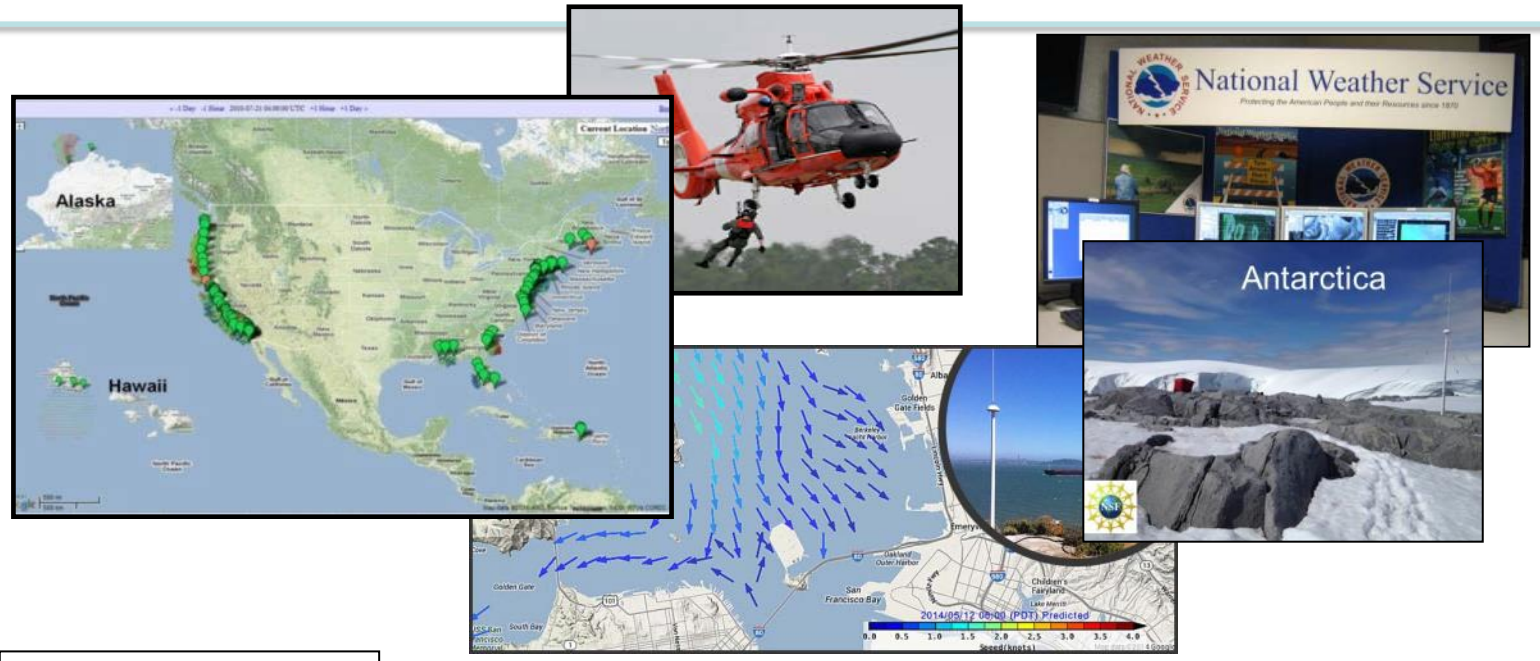
Technology ***Process*** ***People***

DMAC is the collection of *people*, *process*, and *technology* that enable the dissemination of diverse and distributed data sets using the WWW as the platform.

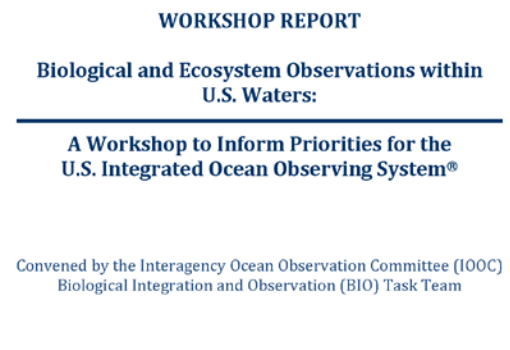
IOOS is deploying, and in some cases building, infrastructure to enable this dissemination.

IOOS: Advancing Communities

HF Radar:



Biological Variables & BIO TT

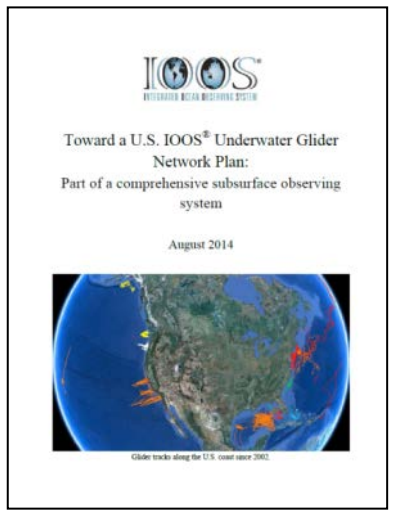

WORKSHOP REPORT

Biological and Ecosystem Observations within U.S. Waters:

A Workshop to Inform Priorities for the U.S. Integrated Ocean Observing System®

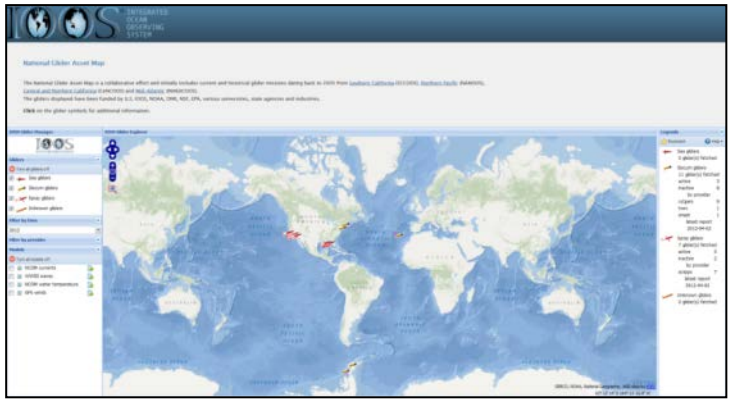
Convened by the Interagency Ocean Observation Committee (IOOC) Biological Integration and Observation (BIO) Task Team

Gliders:

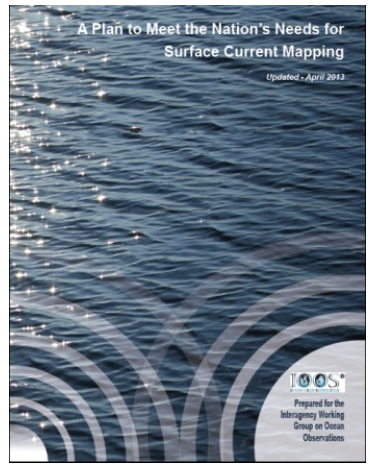

Toward a U.S. IOOS® Underwater Glider Network Plan:
Part of a comprehensive subsurface observing system

August 2014

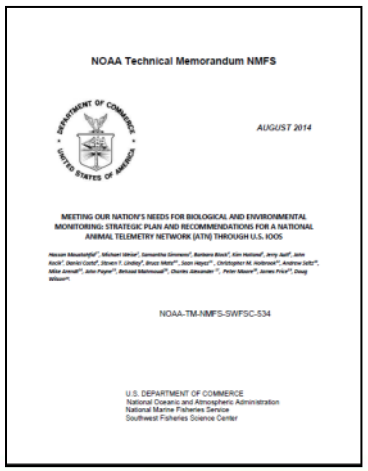
Glider tracks along the U.S. coast since 2002.



Wave Measurements:



Animal Telemetry:


NOAA Technical Memorandum NMFS

AUGUST 2014

MEETING OUR NATION'S NEEDS FOR BIOLOGICAL AND ENVIRONMENTAL MONITORING: STRATEGIC PLAN AND RECOMMENDATIONS FOR A NATIONAL ANIMAL TELEMETRY NETWORK (ATN) THROUGH U.S. IOOS

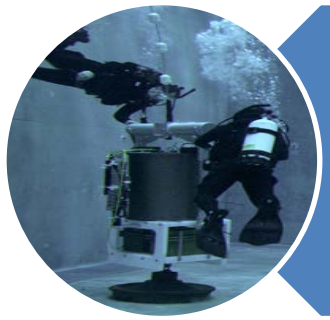
NOAA-TM-NMFS-SWFSC-534

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Southwest Fisheries Science Center

Marine Sensor Innovation

Sensor Evaluation

Coastal Modeling Test bed



Ocean Technology Transition

Nutrient Sensor Challenge

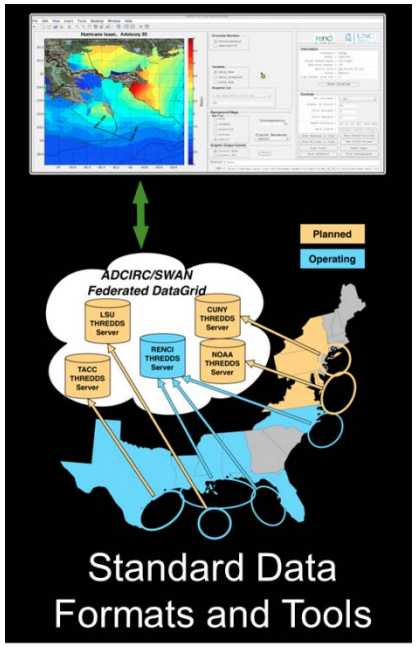
(FY2015/2016)

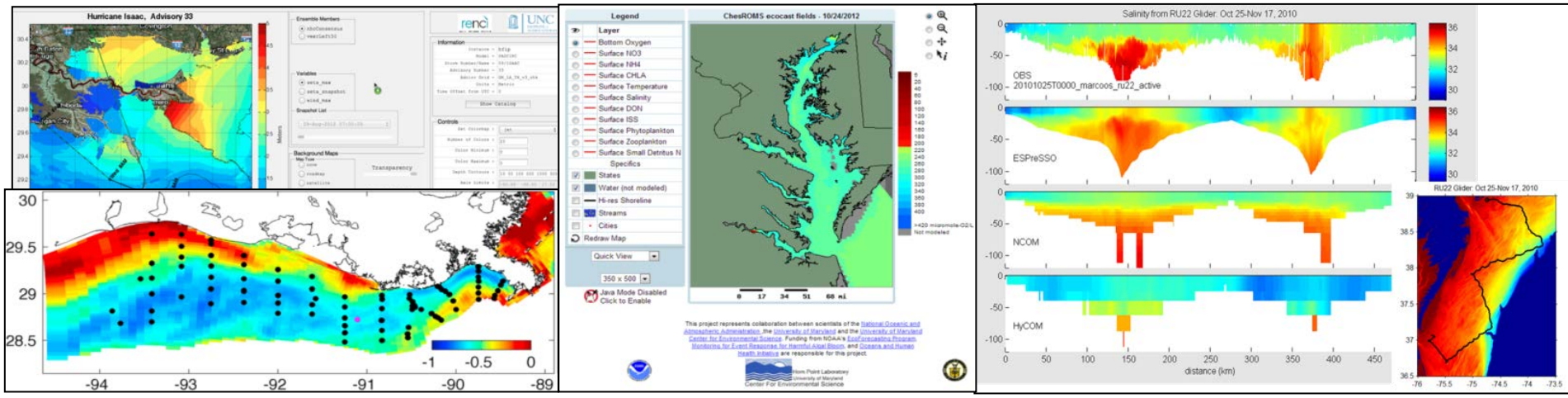
ACT Services

- **A third-party testbed for evaluating technologies**
  - **PH Sensors (2013/2014) – 7**
  - **DO Sensors II (2014/2015) – 10**
- **A forum for capacity and consensus building**
- **An information clearinghouse for environmental technologies**

US IOOS Coastal & Ocean Modeling Testbed

- Venue to facilitate testing and transitions into operations.
- Improving ties to different NOAA and partner Agency modeling efforts.
- 5 projects; Hypoxia in Chesapeake Bay and Gulf of Mexico, Inundation in PR/USVI, West Coast Operational Forecast System, CI tools for comparing models/data

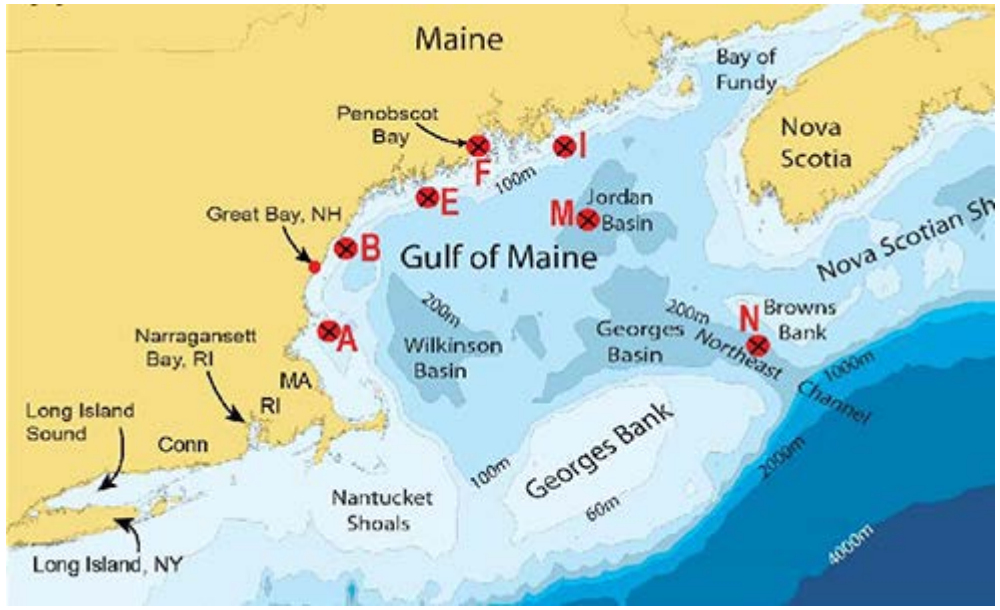




Ocean Technology Transition – FY14

Fostering the transition of marine sensor and other advanced observing technologies to operations mode.

IOOS awarded five grants totaling $2.1 million



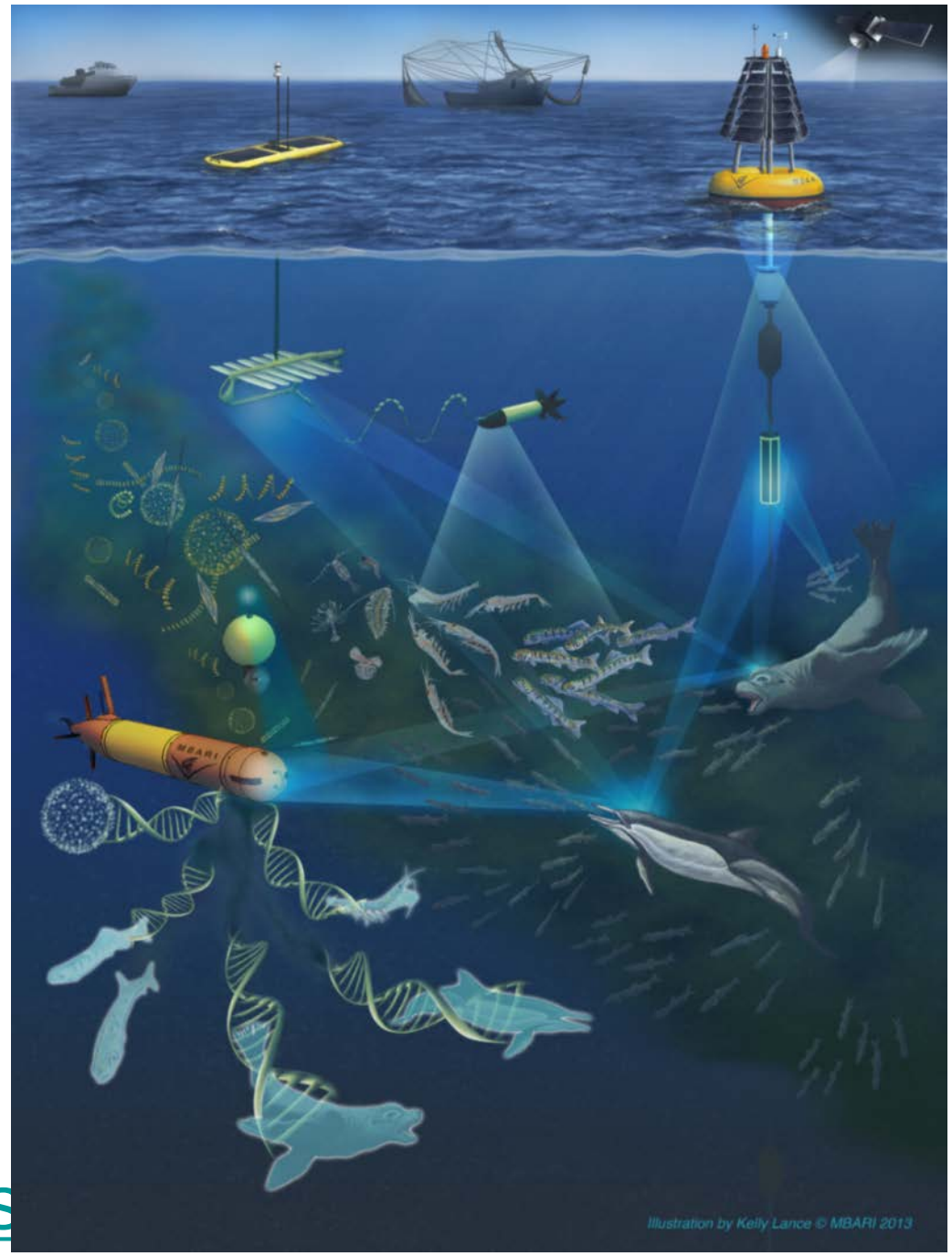
Operational Nutrient Observatory for the Northeastern United States – Industry Partner: WetLabs

The “Burk-o-lator” – developing low cost OA sensors

Imaging Flow CytoBot in SF Bay – Industry Partner: McLain & Axiom

Marine Biodiversity

- U.S. launched 3 Marine Biodiversity Observation Network projects to show marine and coastal data could be integrated into the system
- U.S. contribution to GEO BON is focused in in four regional geographies: the Florida Keys, Monterey Bay, Channel Islands, and the U.S. Chukchi Sea continental shelf.
- http://www.ioos.noaa.gov/biodiversity/welcome.html

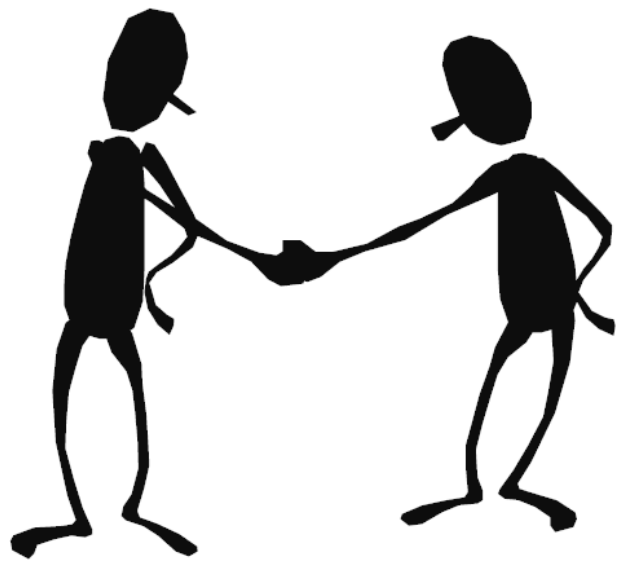


Credit: MBARI

FY2016 RA Federal Funding Opportunity

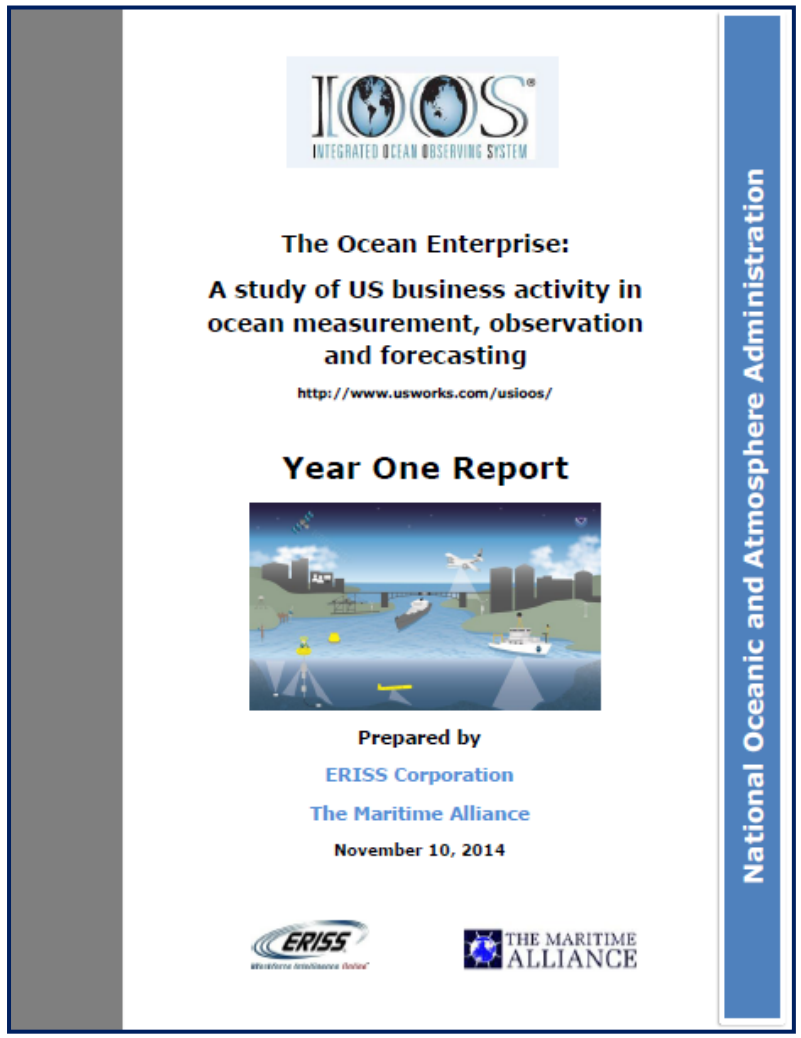
Timeline:

- Published Announcement – February 2015
- Proposal Close date – August 31, 2015
- Merit Review ~ October 2015
- Forward Recommendations for Approval ~ March 2016
- Award Start Date – 1 June 2016



Ocean Enterprise Study of U.S. Businesses

- >600 private sector firms
- Most companies < 10 employees
- 83% providers;
  9% intermediaries
- Input Needed:
  http://www.usworks.com/usioos/



Kudos

- Onslow Bay Buoy Support
- Data Integration with NDBC
- Rip Current Model Validation Study

Thank You

Questions?

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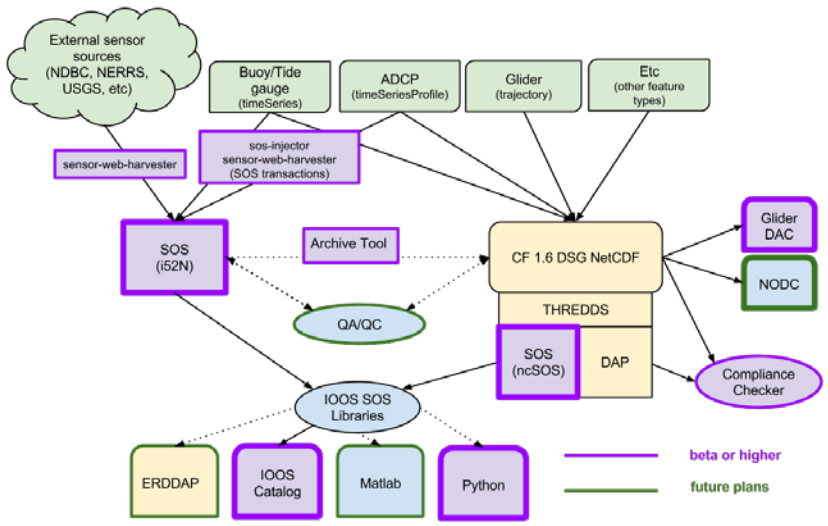
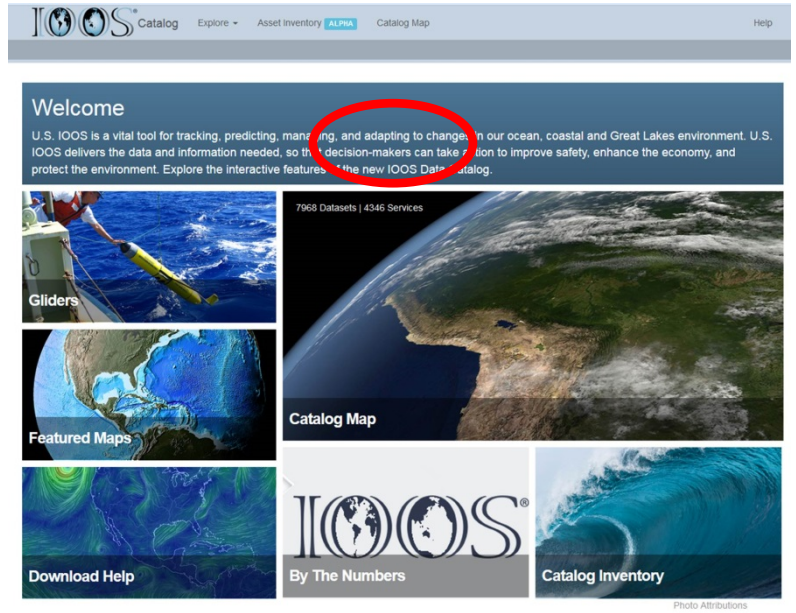
Backup

DMAC What's New





SOCIAL MEDIA

NEWS: