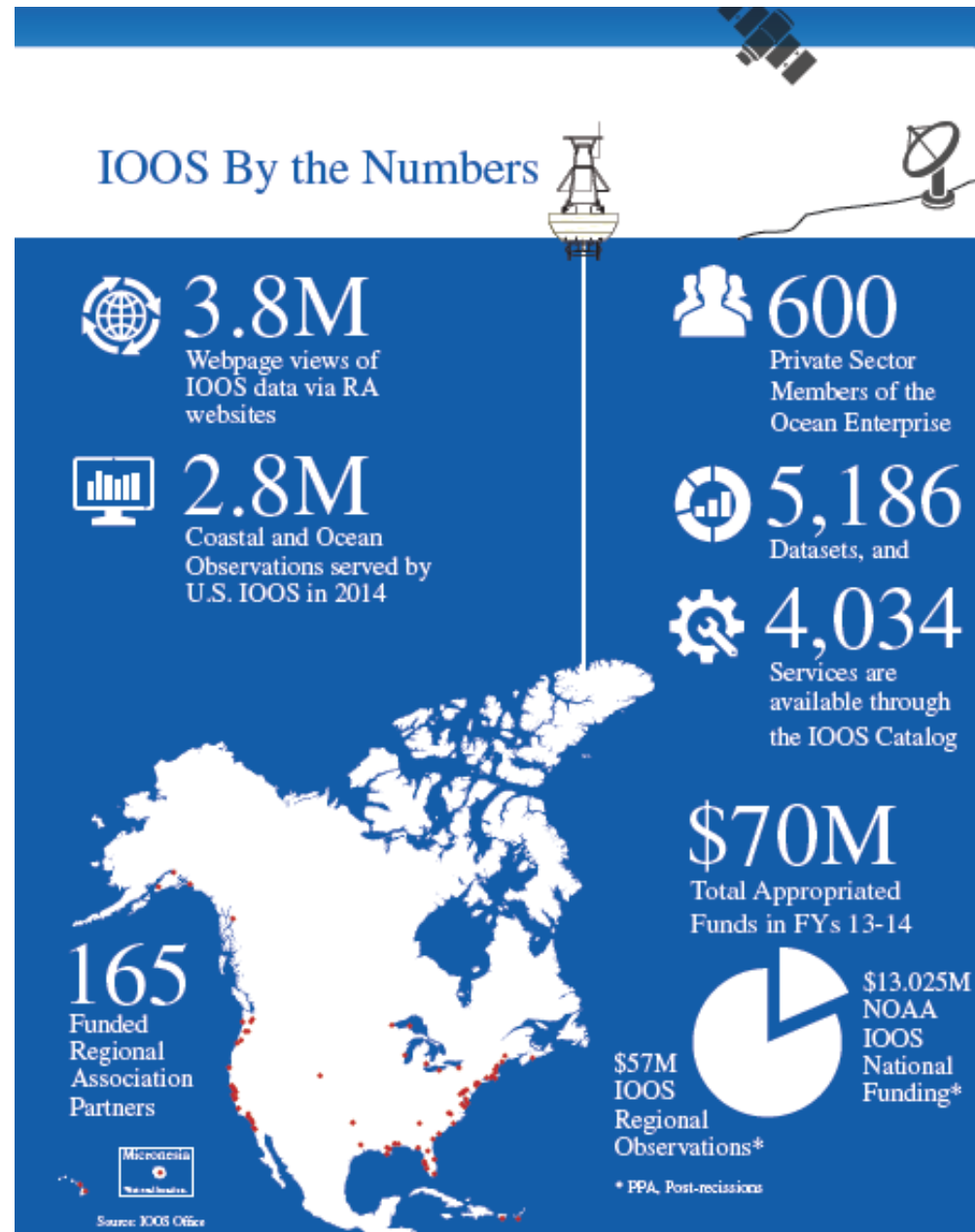
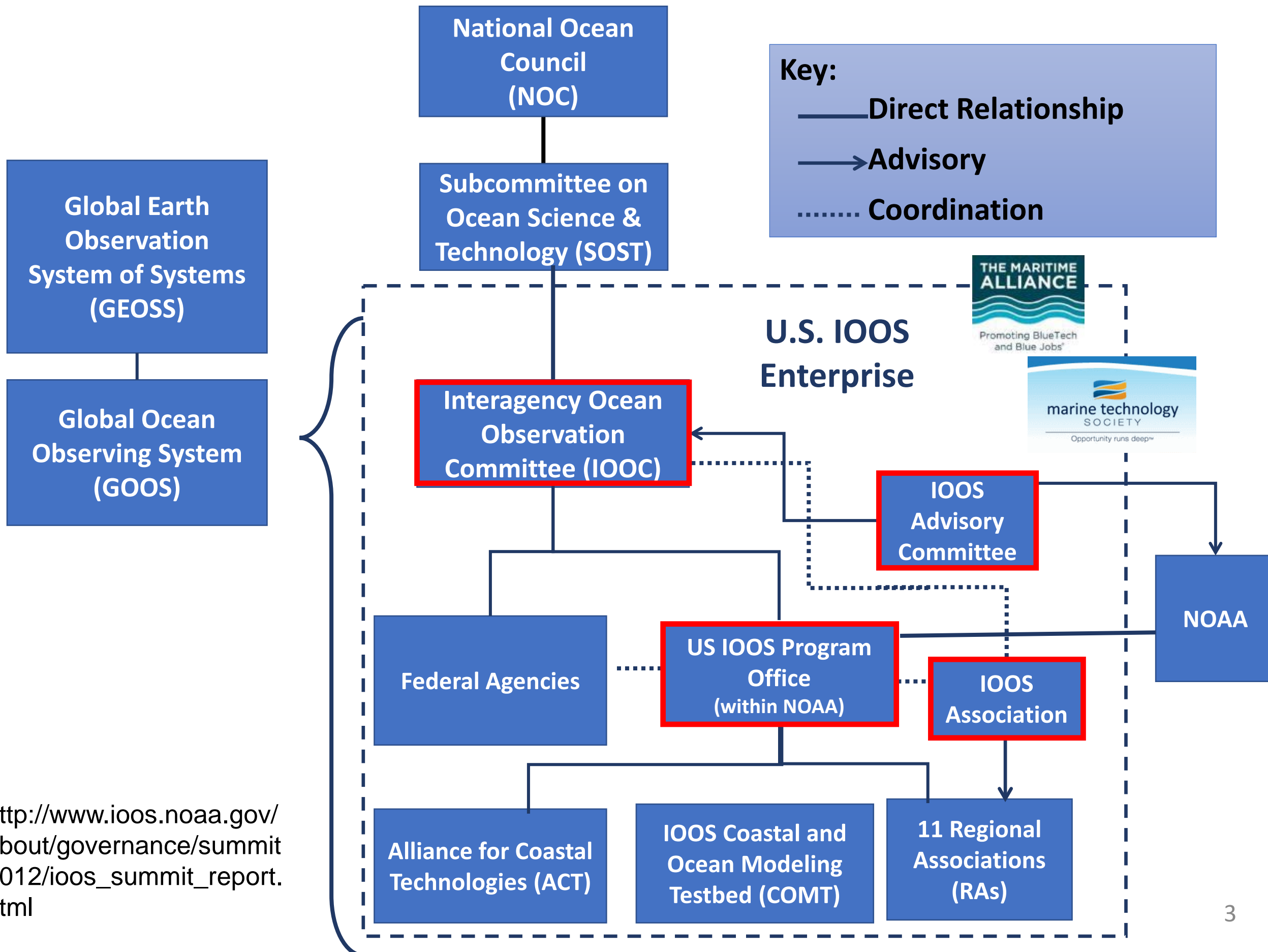




**IOOS Program Office Update**  
**George Jungbluth**  
**May 20, 2015**

# IOOS By the Numbers





[http://www.ioos.noaa.gov/about/governance/summit2012/ioos\\_summit\\_report.html](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



Technical solutions  
**Technology**



Implementation across the  
enterprise

**Process**



Building community

**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.***

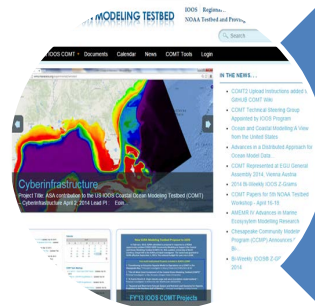




# Marine Sensor Innovation



Sensor Evaluation



Coastal Modeling Test bed



Ocean Technology Transition

# Alliance for Coastal Technologies



## Nutrient Sensor Challenge

(FY2015/2016)

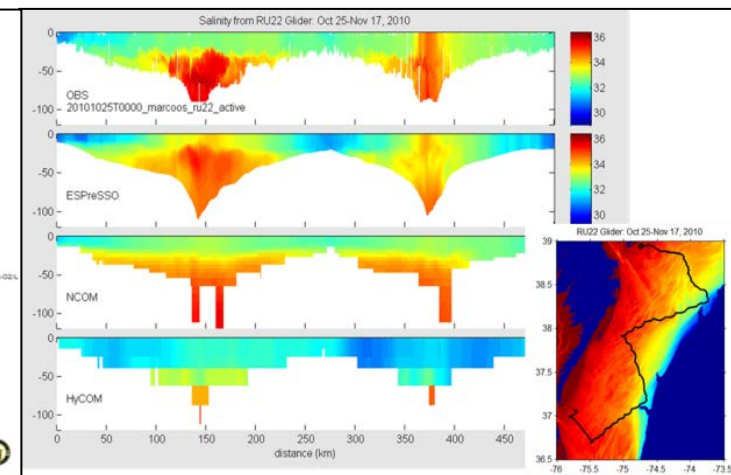
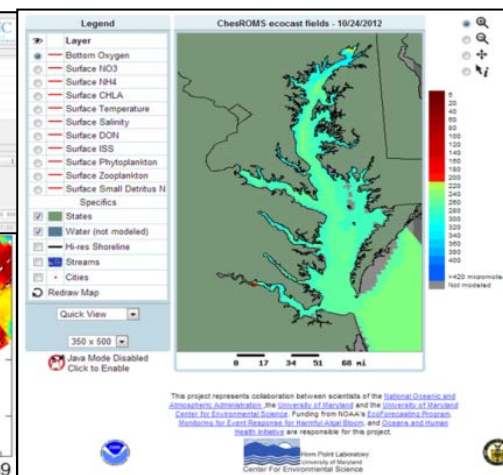
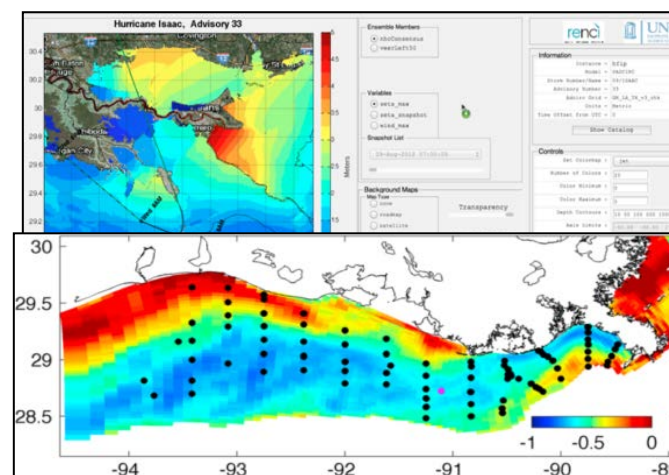
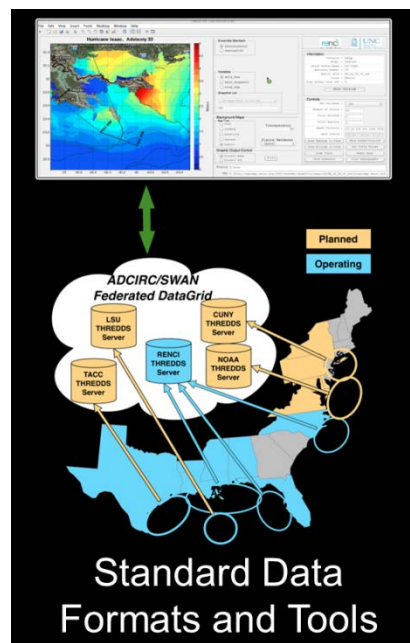
### ACT Services

- ⊕ 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

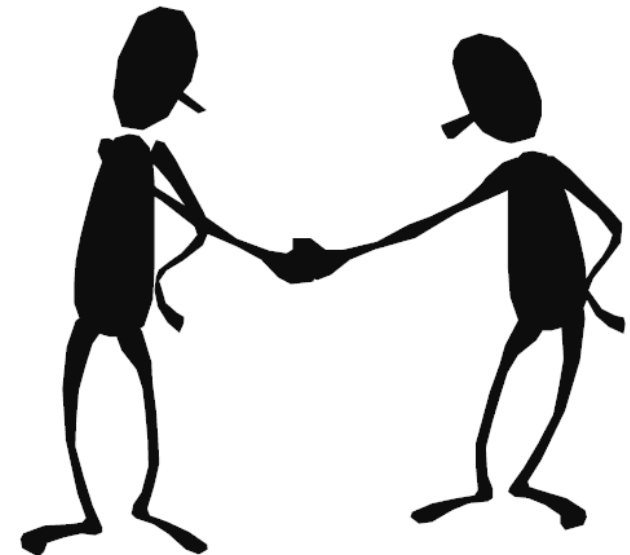
- U.S. launched 3 Marine Biodiversity Observation Network projects to show marine and coastal data could be integrated into the system
- U.S. contribution to GEO BON is focused in in four regional geographies: the Florida Keys, Monterey Bay, Channel Islands, and the U.S. Chukchi Sea continental shelf.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

Credit: MBARI

# FY2016 RA Federal Funding Opportunity

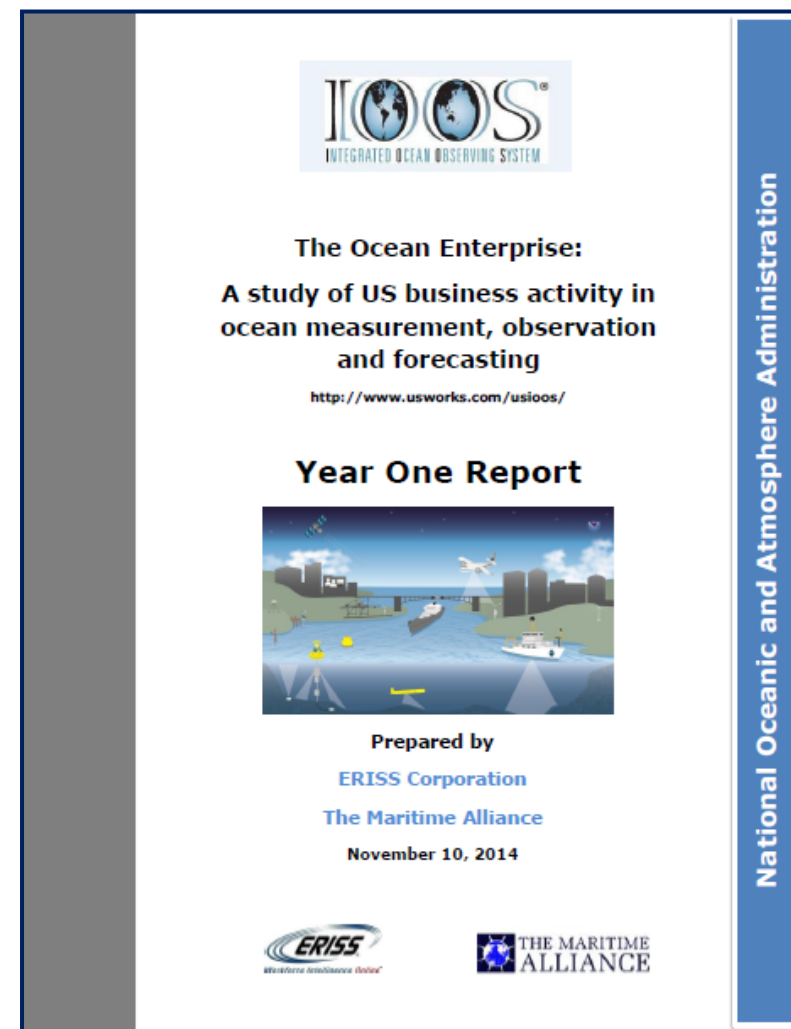
## Timeline:

- 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

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

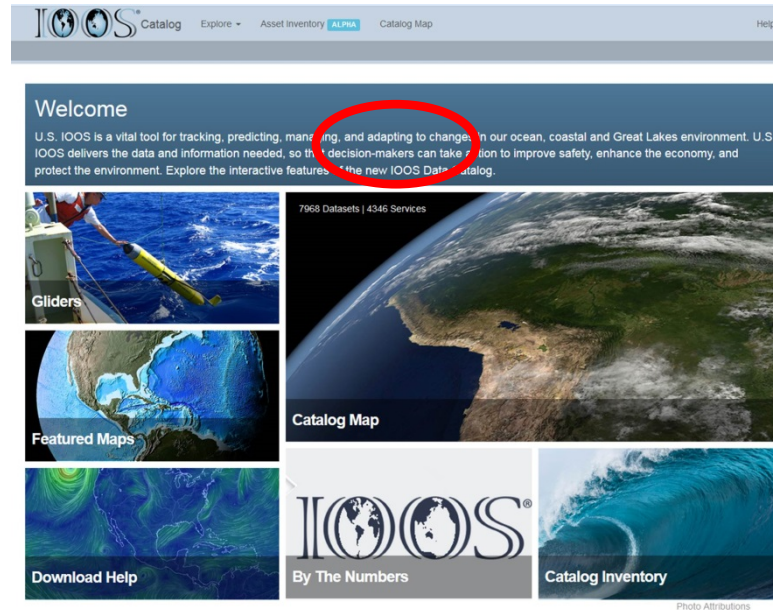
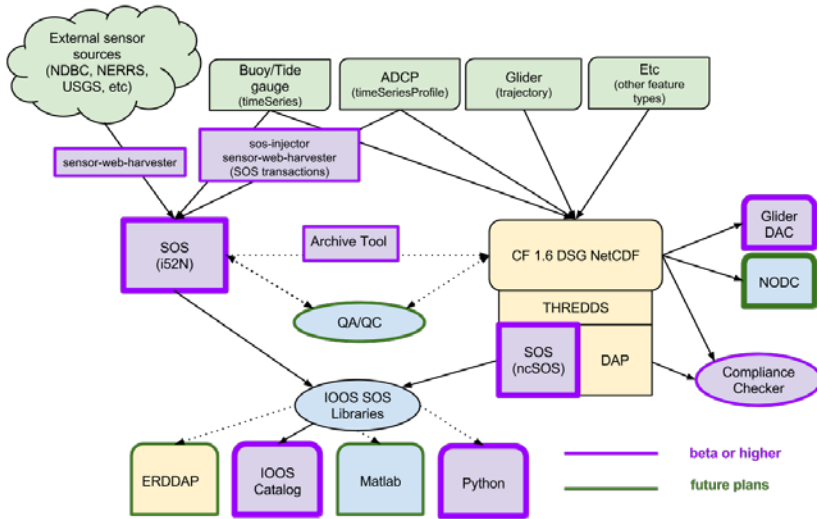
# Thank You

## Questions?

[George.Jungbluth@noaa.gov](mailto:George.Jungbluth@noaa.gov)

# Backup

# DMAC What's New



SOCIAL MEDIA

NEWS:

