MBON Marine Biodiversity Observation Network

May 24, 2018
Carl Gouldman
U.S. IOOS: Program Overview

Partnership effort that leverages dispersed national investments to deliver ocean, coastal, and Great Lakes data relevant to decision-makers.

Global Component
US contribution to Global Ocean Observing System (GOOS)
1 of 15 Regional Alliances of GOOS

National Component
17 Federal agencies

Regional Component
11 Regional Associations
Stakeholder driven
Academia, state/local/tribal government, private industry
Looking forward - importance of the ocean

- OceanObs’19 - Regional - Coastal - Global
- Essential Ocean Variables and Communities of Practice
- White House (OSTP) Science and Tech for America’s Oceans: A Decadal Vision
- UN Decade of Ocean Science for Sustainable Development
NOAA National Ocean Service
Estimated Enacted levels are ‘post rescission’ totals for each year
‘Request’ = the President’s Budget Request
FY19 House Mark is first, next is Senate Mark, then Conference...
FY2019 IOOS Highlights

- Blue Economy
- Customer focus and stakeholder outreach
- ICOOOS Act reauthorization
- NOAA Weather Act & NOAA Water Initiative
- CENOTE Act 2018 (Commercial Engagement Through Ocean Technology Act of 2018)
- IOOS Advisory Committee

- **Filling gaps $7.5M:** Surface Currents, Gliders, Streamlined Access to observation information
- Biology and Harmful Algal Bloom Observing
- Regional Ocean Data for Management needs
- **Ocean Technology Transition** – new FFO for award in FY2020
- **Coastal and Ocean Modeling Testbed COMT** - Coastal / Ocean /Water Modeling, Forecasting, and Prediction
- **ACT** workshops for IOOS RAs and OAR Labs and Cooperative Institutes
2018 & 2019 Estimated IOOS Glider Funding w/ OAR

- 2018:
  - OAR: $400,000
  - IOOS Hurricane Glider: $745,000
  - Total: $2,056,345

- 2019:
  - OAR: $800,000
  - IOOS Hurricane Glider: $715,000
  - IOOS Hurr Supp: $650,000
  - IOOS Glider: $3,162,500
  - Total: $4,837,500
Hurricanes are coming

STORMS GATHER
AND THE WATCH BEGINS

hurricane intensity forecasting team
Storms are coming

Storms gather and now our watch begins ... 
Hear my words and bear witness to my vow

It shall not end until batteries fail
I bring ocean data through darkness
I am a watcher under waves
I am a drone that guards the realm
I bring our ocean to models for this season and seasons to come.

Adapted from adaptation by HBO Game of Thrones (Song of Fire and Ice: George R. R. Martin)