

National Ocean Exploration Program Campaigns

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Fifth Ocean Exploration Advisory Board Meeting
Washington, DC

27 April 2016



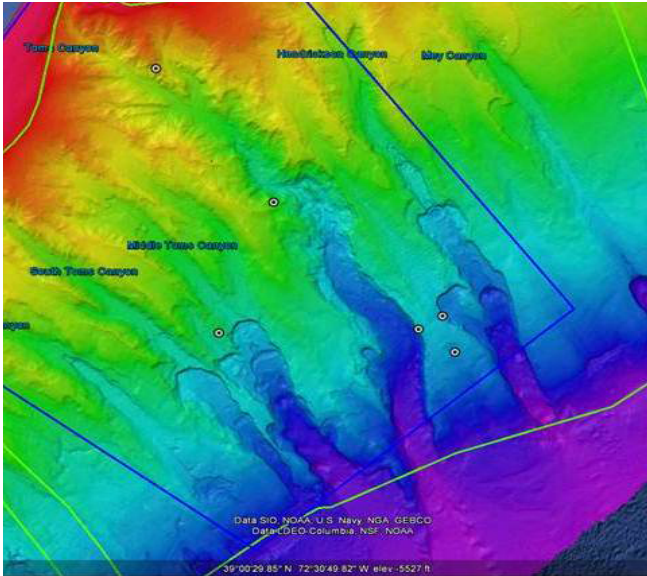
OER Campaign Evolution: INDEX-SATAL



INDEX SATAL (U.S.-Indonesia) prototype campaign:

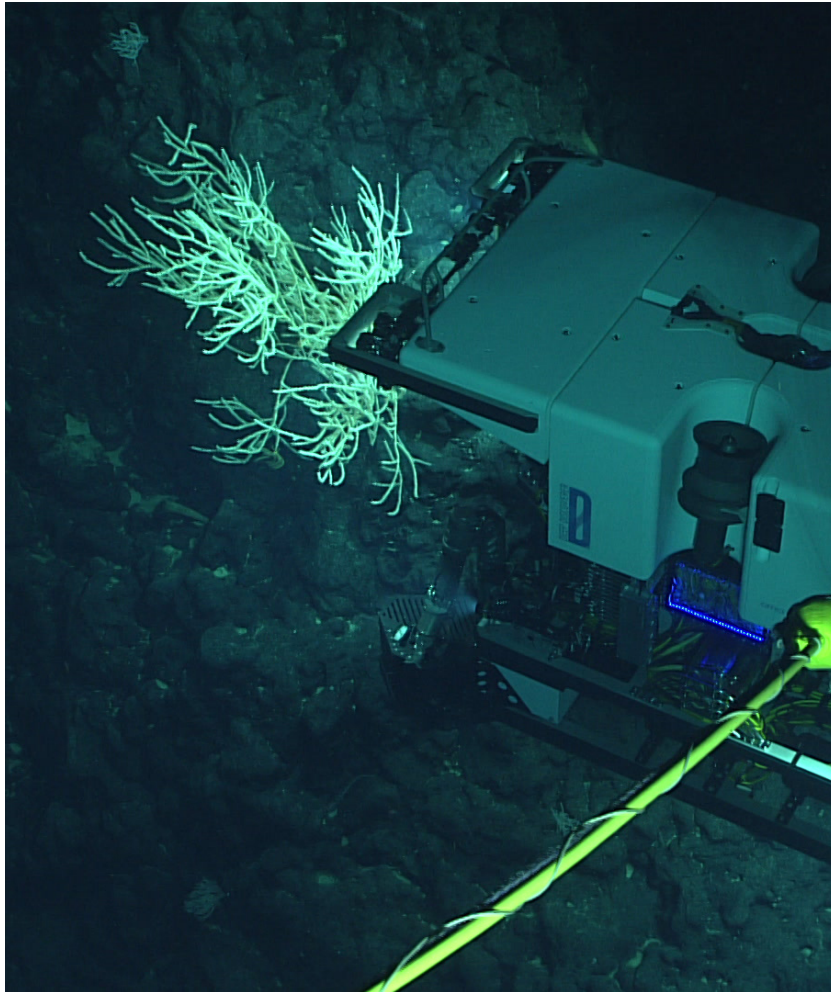
- multi-ship and multi-platform
- multiple stakeholders on U.S., Indonesian sides
- planned for at least two years
- long lead time and commitment of resources
- intense coordination requirement

OER Campaign Evolution: ACUMEN



- 5 NOAA line offices, 3 federal agencies, 3 international agencies, 2 state agencies, 3 museums, and over 15 academic partners
- 17 expeditions with 5 ships and multiple submersibles
- Evolving, iterative expedition planning: results from one expedition informed subsequent expeditions
- Mission requirements-driven (state and federal agencies)
- Science and management results

OER Campaign Evolution: CAPSTONE



CAPSTONE

- NOAA mission requirements
- Concept developed with SOI and OET plans as factors
- Opportunities to link to significant NGO and multilateral activity related to MPAs
- FY18-OET continues to work in CAPSTONE area
- FY18-initial discussions with Australia to leverage Investigator and OER FFO; New Zealand also potential partner

Ocean Exploration Campaigns

- National strategic framework for ocean exploration
- Coordination among stakeholders with shared interest in a region, a theme, a process
- Shared resources to deploy “best fit” assets
- Multi-year, multi-platform

Ocean Exploration Campaign Concept

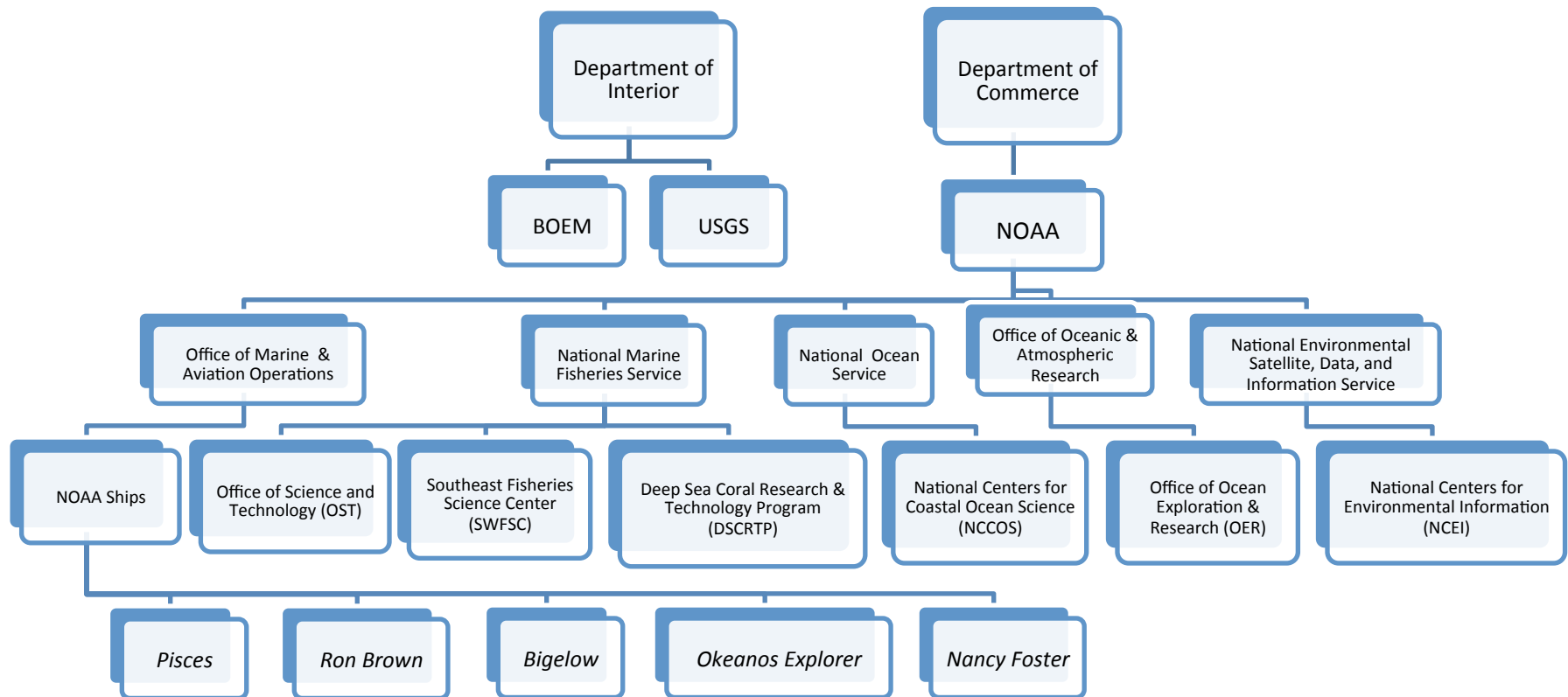


Campaign Elements

- Stakeholder requirements
- Strategic Framework
- Resource Needed
 - New technologies (as needed)
 - Platform scheduling
- Partner Coordination
 - International coordination (as needed)
- Multidisciplinary science team planning
- Data management
- Engagement
- Results

OER Campaign Evolution

Federal Partners



Challenges

- Coordination required adds complexity and time
- Aligning platform and other planning processes is non-trivial
- Partners—including NOAA—must deliver over long time periods
- Budget stability essential for success

OER Campaign Evolution: Mid- and South Atlantic Bight

Mid- and South Atlantic Bight initial objectives:

- Wise use of living marine and energy resources
- Define connectivity of ecological communities
- Tsunami hazard identification

Result: better information and predictions for decision making that lead to better protection and conservation of ecosystems while supporting US government's mission of growing commerce, energy independence and wise resource management.

OER Campaign Evolution

Next Steps in the Mid- South Atlantic Bight:

- First campaign expedition in August aboard the NOAA Ship *Pisces* with the AUV *Sentry*
- Second expedition planned for September (NOS lead)
- FY17: OER to coordinate ship time for field work in summer 2017 (NOAA-BOEM-USGS leads)

OER CAMPAIGN Evolution: TransAtlantic

- Opportunity for OER to help coordinate OE activities in support of Galway Statement
- Initial discussions with NATO's Centre for Maritime Research and Experimentation and E.U.-funded Horizon 2020 SPonGES and ATLAS ongoing
- Potential for U.S.-Canada-E.U. collaboration—initial discussions underway
- Collaboration driven by PI-to-PI relationships, but OER and partners can provide strategic framework

[OceanExplorer.NOAA.gov](https://oceanexplorer.noaa.gov)



**Ocean Exploration
and Research**