



Ocean Exploration
Advisory Board

Ocean Exploration Advisory Board

Introduction to

IOOS Advisory Board

April 5, 2016
Washington, DC

Omnibus Public Lands Management Act of 2009 (PL 111-11)

- **Similar to IOOS**

- Establishes a national OE program; NOAA lead
- Directs NOAA to explore
 - Includes other agencies
 - But, definition does not match other agencies' missions
- Directs NOAA to develop an OE Strategic Plan
- Establishes an OEAB

OEAB Boundaries

- ✓ Advise the Administrator on **priority areas for survey/ discovery**
- Assist the OER in development of a 5 year plan
- ✓ Review (annually): **proposal review process**
- Other assistance as Administrator requests
- ✓ Comply with FACA rules

Administrator Requests

- Focus first on the NOAA's Office of Ocean Exploration and Research (OER)
 - OER = OKEANOS + OET + CI + ECS + Competitive Grants
- Consider Administrator's priorities:
 - OE support NOAA Line Office requirements
 - Exploration results must lead to “actionable environmental information” for NOAA clients
 - “New:” Future OE paradigms?

NOAA OE Program Funding

- Approximate Funding:
 - FY 13: \$23.7M
 - FY 14: \$26.0M
 - FY15 : \$28.0M
 - **FY16: \$32.0 million (Presbudg = \$19M)**
 - **FY17: PresBudg = \$19M**
 - FY18: already in early formulation

Communications with NOAA

- Guidance from Chief Scientist initially in 2014
- Met with Chief Scientist in January, March
- Letters to Administrator
 - \$\$\$ to match Congressional will
 - Areas to survey, especially NOAA Ship *OkEx*
 - FFO annual review
 - Finish ECS
 - When exploring ... collect more data/samples
 - Coordinate science opportunities and NOAA needs
- Comments on FY18 SGMs
- Input to FY19 SGMs
- NOAA Line Officers at OEAB in April

Value

- **Queuing:** for science expeditions and future observation programs
- **Characterization:** fisheries, marine minerals/pharma, tourism, MPAs and sanctuaries
- **National data:** navigation, national defense, claims

- **NOAA :** Statutory national lead = a valuable responsibility

Some Issues

- Dedicated Exploration vessels ... future paradigm
- **US EEZ**
- **Funding base**
- **Reauthorization** (year behind IOOS)
- Planning for “campaigns” with other agencies/partners
 - Preferred model ... so far
 - IOOS, NOPP ?
- Strategic Plan (now or next Administration?)
- Syncing up: Science opportunities and NOAA requirements
- Next OE Forum (Oct 20-21 in NYC)

Note: Similar to IOOS

Back up

NOAA OER Organization

- Under Secretary of Commerce/NOAA Administrator
 - *Dr. Kathryn Sullivan*
- Chief Scientist
 - *Dr. Rick Spinrad*
- Assistant Administrator for NOAA Research (OAR)
 - *Mr. Craig McLean*
- Director, Ocean Exploration and Research (OER)
 - *Dr. Alan Leonardi*
- OEAB DFO
 - *Mr. David McKinnie*



2015 ENGAGEMENT



Website Views: 15,108,408
↑41% increase from last year



Live Video Views: 2,823,088
↑94% increase from last year



Likes: 102,613
↑142% increase from last year



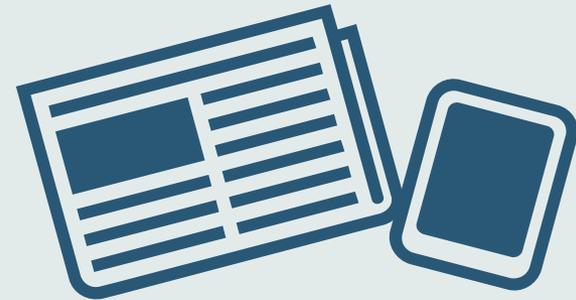
Views: 13,697,125
↑134% increase from last year
Subscribers: 34,752
↑90% increase from last year



Followers: 72,991
↑39% increase from last year



**971 Educators Trained Who
Reached 200,000+ Students**
Education Downloads: 2,037,636
Workshops for Educators: 40



Media Mentions: 780+
Peer Reviewed Publications: 39



Website Views
11,384,216
↑6% increase
3,724,192
↑70% increase



Live Video Views
910,767
↑34% increase
1,912,321
↑146% increase



Likes
46,010
↑197% increase
56,603
↑110% increase



Followers
64,287
↑35% increase
8,704
↑81% increase



Views
1,597,125
↑233% increase
12,100,000
↑125% increase

Subscribers
9,594
↑56% increase
25,158
↑107% increase



Educators Trained: 874, 97
Reached Students: 100,000+, 100,000+
Education Downloads: 2,037,636
Workshops for Educators: 35, 5



Media Mentions: 130+, 650+
Peer Reviewed Publications: 32, 7

2015 FIELD SUMMARY



Ocean Exploration
and Research



Okeanos Explorer



E/V Nautilus



28 Cruises



273,579 km²
(105,629 mi²) Mapped



59 Days, 13 Hours ROV in Water



148 ROV Dives



57 Days, 4 Hours of Video



3,210 Samples Collected



47 Days, 23 Hours on Bottom
5.9 km (3.7 mi) Depth Reached

2015 FIELD SUMMARY



Ocean Exploration
and Research



Okeanos Explorer



E/V Nautilus



13
15 Cruises



186,655 km² (72,067 mi²)
86,924 km² (33,561 mi²) Mapped



16 Days, 17 Hours
42 Days, 20 Hours ROV in Water



50
98 ROV Dives



14 Days, 8 Hours
42 Days, 20 Hours of Video



183
3027 Samples Collected



11 Days, 8 Hours
36 Days, 15 Hours
on Bottom



5.9 km (3.7 mi)
3.4 km (2.1 mi)
Depth Reached

2015 MAPPING SUMMARY



186,655 km²
(72,067 miles²)
Mapped

That's bigger than
Washington State.

86,924 km²
(33,561 miles²)
Mapped

That's bigger than
South Carolina.

273,579 km²
(105,629 miles²)
Mapped in Total

That's bigger than
New Zealand.



Ocean Exploration
and Research

2015 EXTERNAL SCIENCE GRANTS



15

pre-proposals
submitted worth

\$9,931,455



3

grants funded at

\$3,500,000
combined

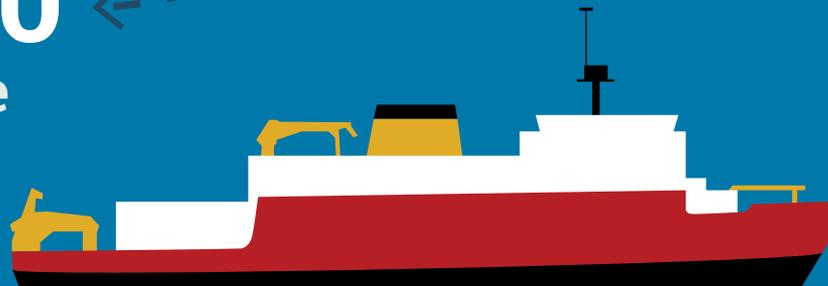


40 day

comprehensive,
integrated, and
multidisciplinary
Arctic Ocean
expedition aboard
United States Coast
Guard Cutter *Healy*

\$1,894,000

just for ship time



Ocean Exploration
and Research