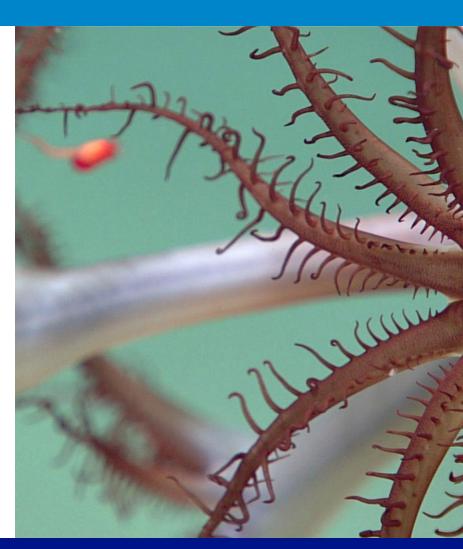


David McKinnie, Engagement Division Lead Emily Crum

Engagement Focus

Target Audiences

- Ocean-interested public
- Science community
- Resource managers and decision makers
- Educators
- Internal NOAA





Engagement Groups



- Communications and Media
- Education
- Special Projects
 - National OceanExploration Forums
 - Publications
 - etc.
- Diversity and Inclusion
- Technical (Web) Services



National Forum

2013: Ocean Exploration 2020

2014: NOAA and Ocean Exploration

2015: National OE Forum 2015

2016: Beyond the Ships

2017: Ocean Exploration in Sea of Data

2018: All Hands on Deck





OER Education Initiatives





I. Promote and Strengthen the Community of Ocean Exploration Programs

- OET-SOI-OER-NOAA Education "alliance" "Cuerpo de Exploración"
- Octonauts and The Deep
- Ocean Discovery Institute focus on underserved communities
- Inner Space Center new livestreaming/live interaction approaches



II. Enhance Value of Expeditions to the Education Community

- SOI-OET-OER Website with shared education resources, including ship schedules and other information about expeditions (July 2020)
- Increase number and format of live interactions. Not ship schedule dependent
- Linking expedition results to educators in underserved communities (Puerto Rico, American Samoa)



III. Enhance Professional Development Workshops to Increase Impact

- Expert observers engaged to advise on ways workshops can incorporate current pedagogy, standards, and learning. (First workshop using recommendations two weeks ago).
- Regular updates to workshop materials to reflect current expedition results, other information; pending revamp of OER education materials (with outside facilitation, OET, SOI).
- New evaluator hired through NMSF to assess and inform future implementation using qualitative approaches as well as quantitative measures



IV. Improve Organization of Educational Materials and Website

- Rebuilding OER website and reorganizing Education content to improve user experience.
- Strengthening education focus of expedition videos and other engagement products.
- Increasing engagement of education community through Facebook
- Launch cooperative ocean exploration education OER-SOI-OET web space on (noaa.gov)



V. Update/Develop Educational Materials to Reflect Current Research and Standards

Short term

 Rebuild "theme pages" into modular packages based on specific topics/phenomena

Medium Term (2019-2021)

- Redesign OER product line in collaboration with OET and SOI using design services to ensure education content has maximum impact
- Build out new OER-OER-SOI education website with new content



VI. Expand the Ocean Exploration Education Alliance Network, with a Particular Emphasis on Inland States

- Since the review, added new Alliance partners:
 - Albuquerque BioPark, NM
 - Great Lakes Aquarium, Duluth, MN
 - EcoExploratorio, San Juan, PR
 - American Samoa through Hawaii Alliance Partner
- US Virgin Islands, Guam, and CNMI to be added
- NMSF to help identify other inland opportunities (such as Detroit and Denver)



VII. Enhance diversity in program participants

Explore more effective approaches to educators serving Spanish-speaking, Native American, and Pacific Island communities

Using existing relationships and experience

Spanish-Speaking

- Puerto Rico (linked to 2015 and 2018 expeditions)
- Ocean Discovery Institute
- Translation, new services

Pacific Island

- Teacher workshops in American Samoa through Waikiki Aquarium
- Potential to expand to CNMI and Guam
- Leverage CAPSTONE legacy







Emily Crum

"Ocean Exploration Act of 2009"

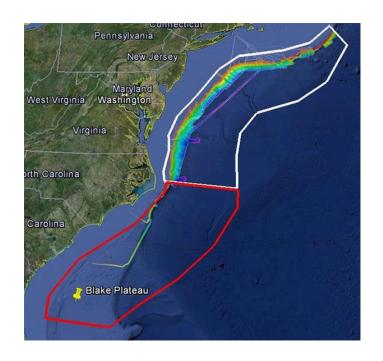
To the extent appropriate, the Administrator shall seek to facilitate coordination of data and information management systems, outreach and education programs to improve public understanding of ocean and coastal resources, and development and transfer of technologies to facilitate ocean and undersea research and exploration.

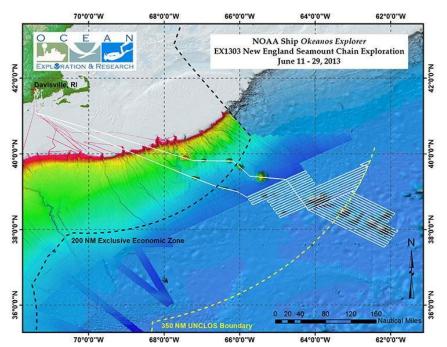


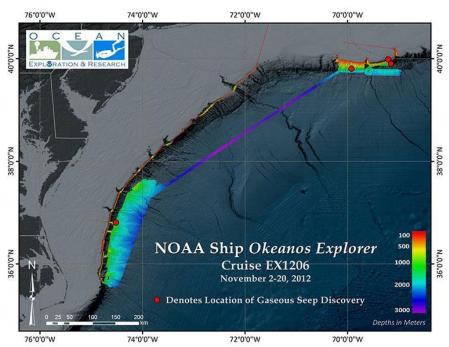


Establishing an OER Identity









Visual Identity Guide

The visual language for all OER products, print and digital.



1. Introduction

Consistent branding helps to promote our efforts by clearly indicating our office as the source of information. We do great work and these guidelines were created to maximize the impact of that work. The typefaces, colors, and design assets in this style guide are your starting point and can be applied to all OER produced collateral, including:

- External Documents
- Fact sheets
- PowerPoint presentations
- Maps
- Posters

Logo files and official Word and PowerPoint templates are available on our OER Google site at https://sites.google.com/a/noaa.gov/oar-oer/communications-guidance

If you need help creating a more complex document for external publication or if you have any questions about applying these guidelines, please contact Matt King at matthew.king@noaa.gov.

Contents

- 1. Introduction
- 2. Emblem
- 3. Typography
- 4. Color
- 5. Typical Usage
- 6. Maps

OER Messages

Ocean exploration is valuable

OER is leading national efforts to explore America's deep ocean

OER applies the tools and expertise needed to explore the deep ocean

Ocean Exploration **A National Priority**

A healthy ocean and its resources are critical to a strong America, yet significant gaps exist in our basic understanding of U.S. deep waters and seafloor and the resources they hold. By leading national efforts to explore our ocean and making ocean exploration more accessible, the NOAA Office of Ocean Exploration and Research (OER) is filling gaps in the basic understanding of U.S. deep waters and seafloor, providing critical deepocean data, information, and awareness needed to sustain and accelerate the economy, health, and security of our nation.



EXPLORE



Windows to the Deep 2019

EX1903 Leg 2 (EX1903L2) Cruise Re

Southeast U.S. Continental Margin

Port Canaveral, FL to Norfolk, VA (June 20 - July 12, 2019)

ey Cantwell, Expedition Coordinator, NOAA Office of Ocean Exploration Alexis Weinnig, Science Lead, Temple University Amy Wagner, Science Lead, remiple university Sacram Shannon Hoy, Mapping Lead, NOAA Office of Ocean Exploration & P stopher (J) Dunn, Sample Data Manager, NOAA Office of Ocean

EXPERIENCE

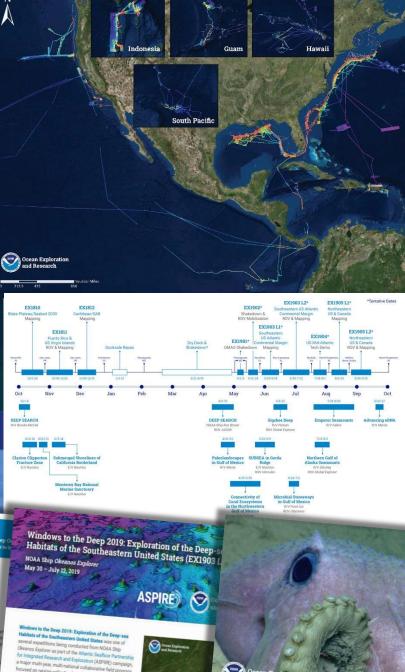
UNDERSTAND





Expedition Summary

The Windows to the Deep 2019: Exploration of the D



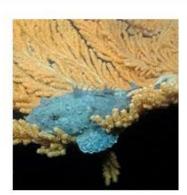
Explore With Us



OCEAN EXPLORER

Home | Explorations | Okeanos Explorer | Education | Technology | Data | Multimedia | Ocean Facts | About OER





Explorations



Okeanos Explorer



Education



Ocean Exploration News



Home

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Expeditions -

Science & Technology ▼

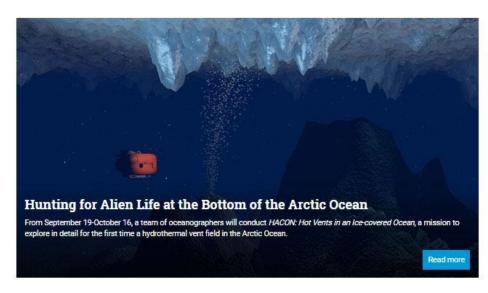
Data & Products ▼

Education >

Multimedia ▼

News ▼

Q











About OER

Learn about the NOAA Office of Ocean Exploration and Research, the nation's only federal organization dedicated to exploring the global ocean.

Learn more



Ten Years of Collecting Ocean Exploration Data

The NOAA Office of Ocean Exploration and Research has been collecting ocean exploration data from NOAA Ship Okeanos Explorer since 2009.

Learn more



Data & Results

Access diverse scientific data, video, images, documents, and other information associated with officesupported ocean exploration expeditions.

Learn more



For Educators

Find educational materials and professional development opportunities for educators designed to enhance ocean literacy.

Learn more

Fiscal Year 2019 Website Content

Expedition coverage: 18 total; 10 "full" and 8 "summary"

OER Updates: 9 stories added

Top 3 content sections:

- Ocean Facts
- Expeditions (including Okeanos)
- Education

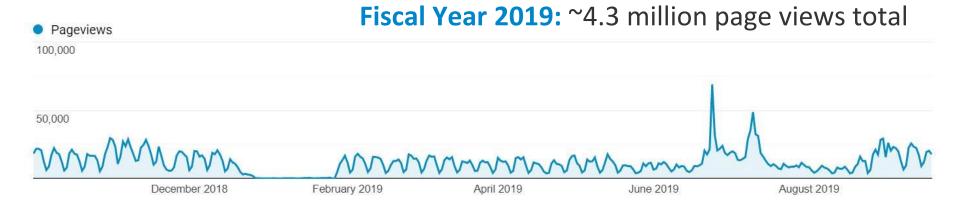
Devices: 54% Desktop | 40% Mobile | 6% Tablet

Sources: 56% Search Engines | 25% Social Media

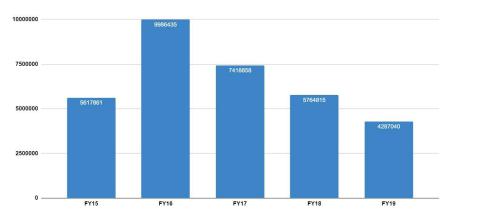




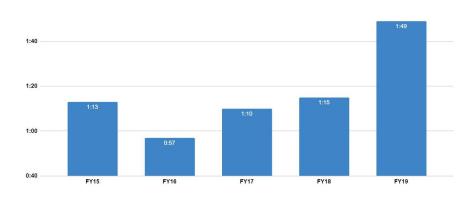
Website Metrics



Page views



Average time on page







YouTube



Here Be Monsters: Giant Squid Filmed in America's...

1.8M views • 2 months ago



Exploring the Graveyard: Windows to the Deep 2018

3.7K views • 4 months ago



Octopus's Garden: Windows to the Deep 2018

5.4K views • 5 months ago



Kraken Attack: Gulf of Mexico 2018

93K views • 6 months ago



Océano Profundo 2018: Psychedelic Medusa

30K views • 7 months ago



Océano Profundo 2018: Baby Shark

10K views • 9 months ago

youtube.com/user/oceanexplorergov/

FY2019 Metrics:

~85,700 subscribers

+14 million minutes of view time

~535,000 live video views

Top 3 Videos:

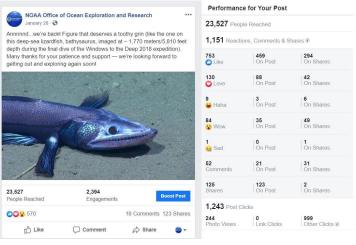
- Giant Squid Filmed in America's Backyard
- Titanic 2004
- Gulf of Mexico 2012
 Shipwreck Discovery

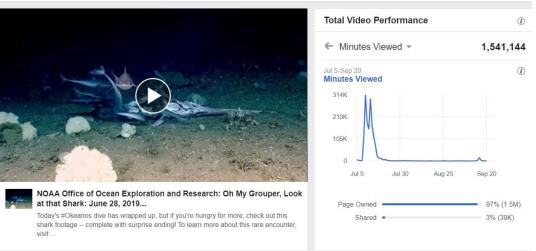


facebook









FY2019 Metrics:

~143,000 likes | 7% increase | total reach: +3.5 million





NOAA Ocean Explorer 🤣

@oceanexplorer

FY2019 Metrics:

~188,300 followers

~50 tweets per month

~6.9 million impressions | ~1.2% engagement rate

Top Tweet

Big...or maybe we should say "giant" news! A few days ago, we posted about how Journey into Midnight expedition team was hunting for giant squid in Gulf of Mexico. Well, they found one... Take a break from #Okeanos live video for the full story: oceanexplorer.noaa.gov/explorations/1... pic.twitter.com/6cNVH2b0IM

Top mention earned 752 engagements



Dr Diva Amon

@DivaAmon - Mar 27

I should be on @BBCOne #BluePlanetLive Episode 2 airing tonight if all goes to plan, so here's a thread on trash in the #deepsea and its impacts. Questions and comments welcome!

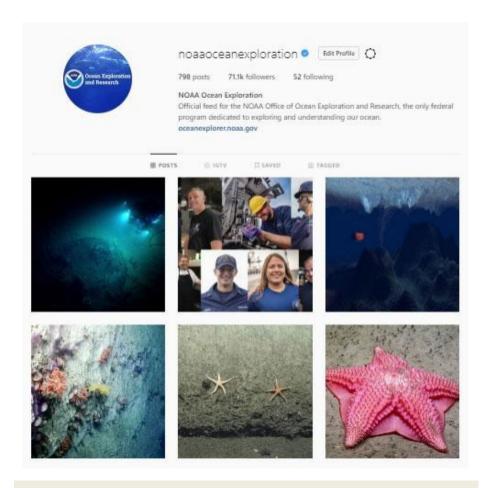
#deepseadebris #plasticpollution #NHMDeepSea #Okeanos

by @oceanexplorer

(1/n) pic.twitter.com/7bMcbBiXZG

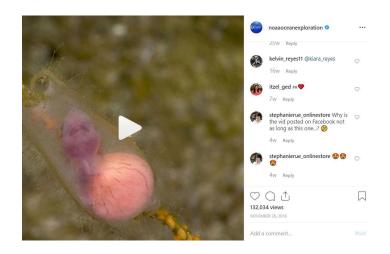






FY2019 Metrics:

~72,200 likes | +7 million impressions







NOAA.gov



CHOME (NEWS & FEATURES

Watch live: NOAA's deep-sea expedition to seamounts and canyons off U.S., Canada

Tune in online August 28 through September 14

Research | expeditions ocean exploration Okeanos Explorer SHARE | 💆 🧗 🖸

UPDATED: August 26, 2019. Starting date for live video was changed to August 28 (weather permitting) from August 27 due to a change in weather conditions.

August 26, 2019 — Get ready: We've got more "must-see TV" of mysterious creatures and features of the deep sea coming your way.



Watch: 'Octonauts'
make a visit to NOAA
Ship Okeanos
Explorer >
June 26, 2019



See this? Giant squid in Gulf of Mexico is captured on video for first time >



Watch live: NOAA expedition to unexplored waters off U.S. Southeast coast >



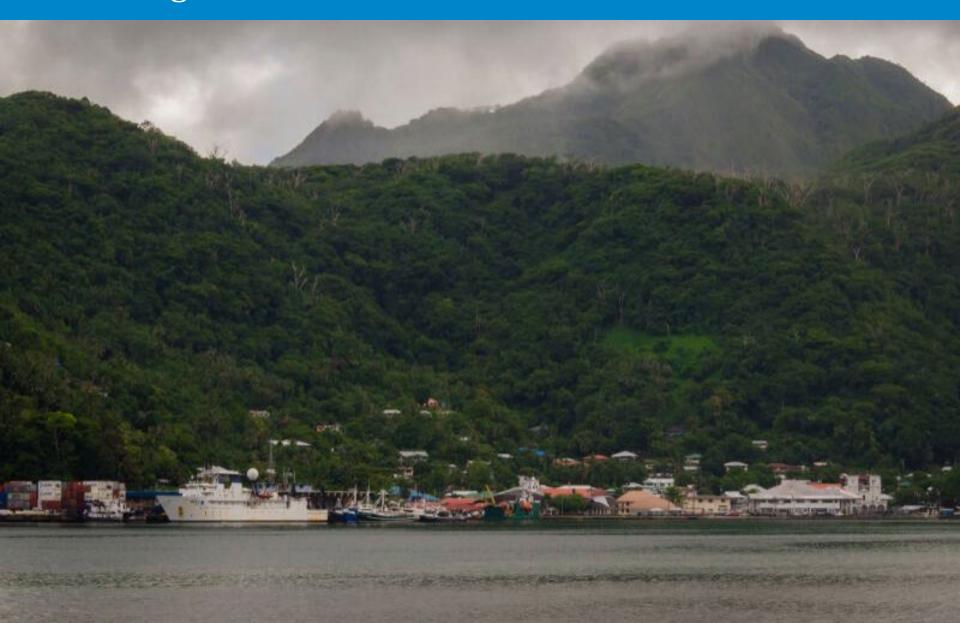
June 20, 2019

June 21, 2019





Building Engagement Support for Okeanos Expeditions



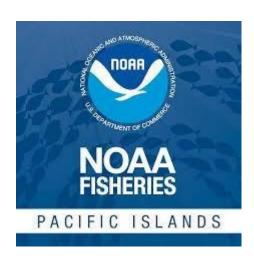
Engagement Plan

- Team members
- Key spokespeople
- Key messages
- Audiences
- Media strategy
- Events and activities
- Web plan
- Social media plan
- Hard copy materials
- Internal communications
- Event calendar



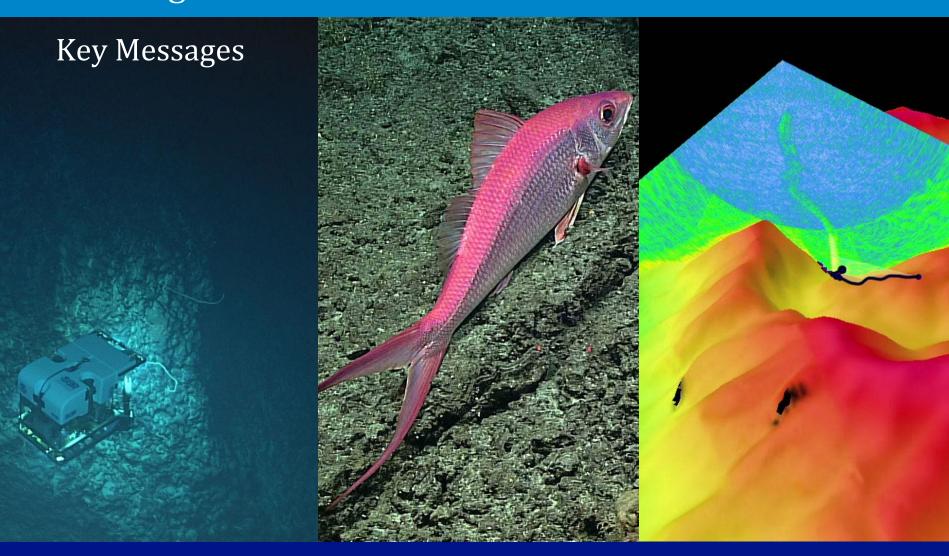
Engagement Planning Team Members











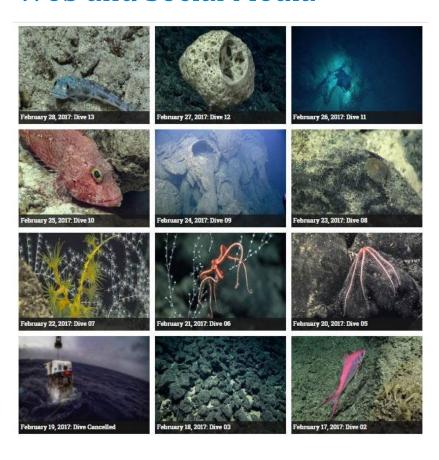
Seamounts as hotspots of biodiversity

Deep and shallow water connections

Assessing past and future geohazards



Web and Social Media



Landslide Hazards in Samoa

February 20, 2017 | by Jasper Konter



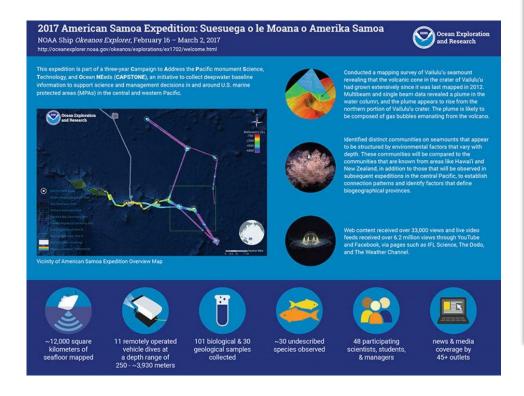
Explosive eruptions, such as those from hotspot volcanoes, may generate volcanic sediment layers that form weak zones between the predominant submarine pillow lavas and/or lava flows, leading to volcanic flank failure. This has led to the common occurrence of large-scale (mainly submarine) landslides around volcanic ocean islands, as has been defined in areas such as Hawai'i and the Canary Islands.

Read more





Communication Products





will represent new range records.

Media Coverage







SCIENTIFIC AMERICAN.

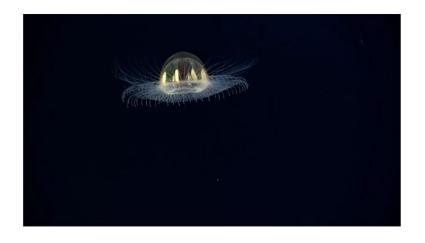






doesn't calm you, nothing will











Looking Ahead...What's Next?



- Develop and implement a comprehensive media strategy
- Enhance use of social media
- Leverage web content services
- Leverage web technical services
- Enhance approach to planning public events and interactions



OceanExplorer.NOAA.gov

