

NOAA OER

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NOAA Ocean Exploration

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2023 DeSSC New User Workshop
March 1-2, 2023



Explore to Discover, Discover to Understand, and Understand to Inform



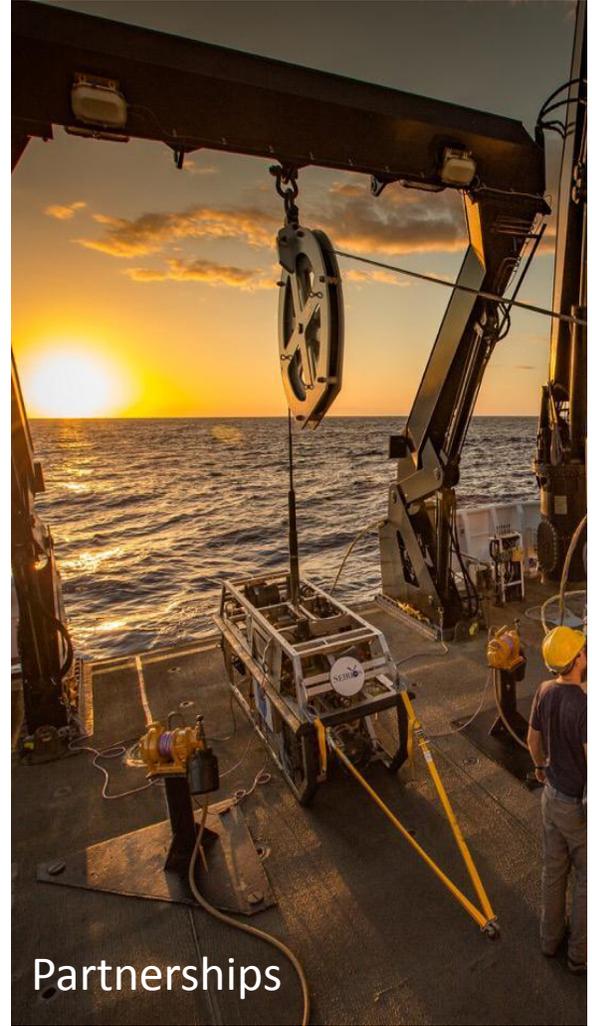
NOAA Ship *Okeanos Explorer*



Novel Technologies



Competitive Grants



Partnerships



Education



Outreach

Ocean Exploration Cooperative Institute



THE UNIVERSITY OF RHODE ISLAND



WOODS HOLE OCEANOGRAPHIC INSTITUTION



OCEAN EXPLORATION TRUST



THE UNIVERSITY OF SOUTHERN MISSISSIPPI



University of New Hampshire

OEI is an integrated ocean exploration cooperative that aims to:

- accelerate exploration through the development of new ocean technologies and operational concepts
- apply new approaches to underexplored regions of the US EEZ and to ocean exploration data
- train the next generation of ocean explorers and blue technology workers
- facilitates additional partnerships, such as:

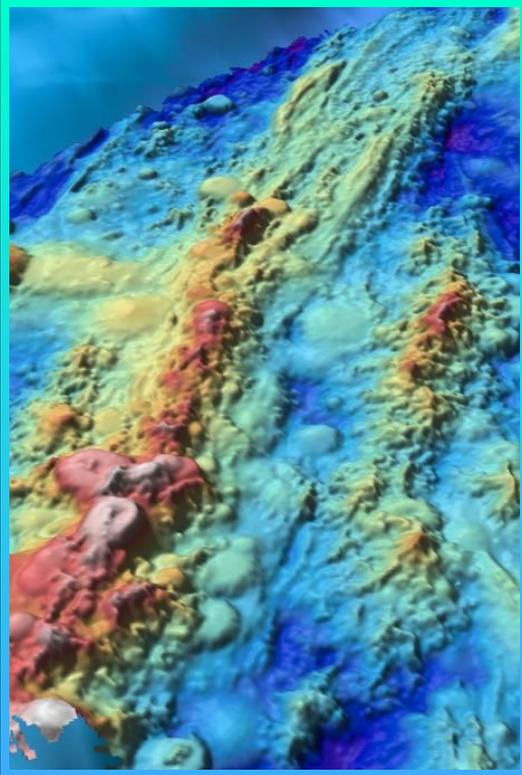


SAILDRONE



OECI: Charting Ocean Exploration's Future

SEAFLOOR MAPPING



Filling gaps in ocean mapping, with traditional vessels and novel autonomous systems, in support of NOMECS strategy and Seabed 2030.

WATER COLUMN & BENTHIC EXPLORATION



Exploring the ocean interior for scientific advancement, sustainable development, and ocean health and safety.

OCEAN TECHNOLOGY



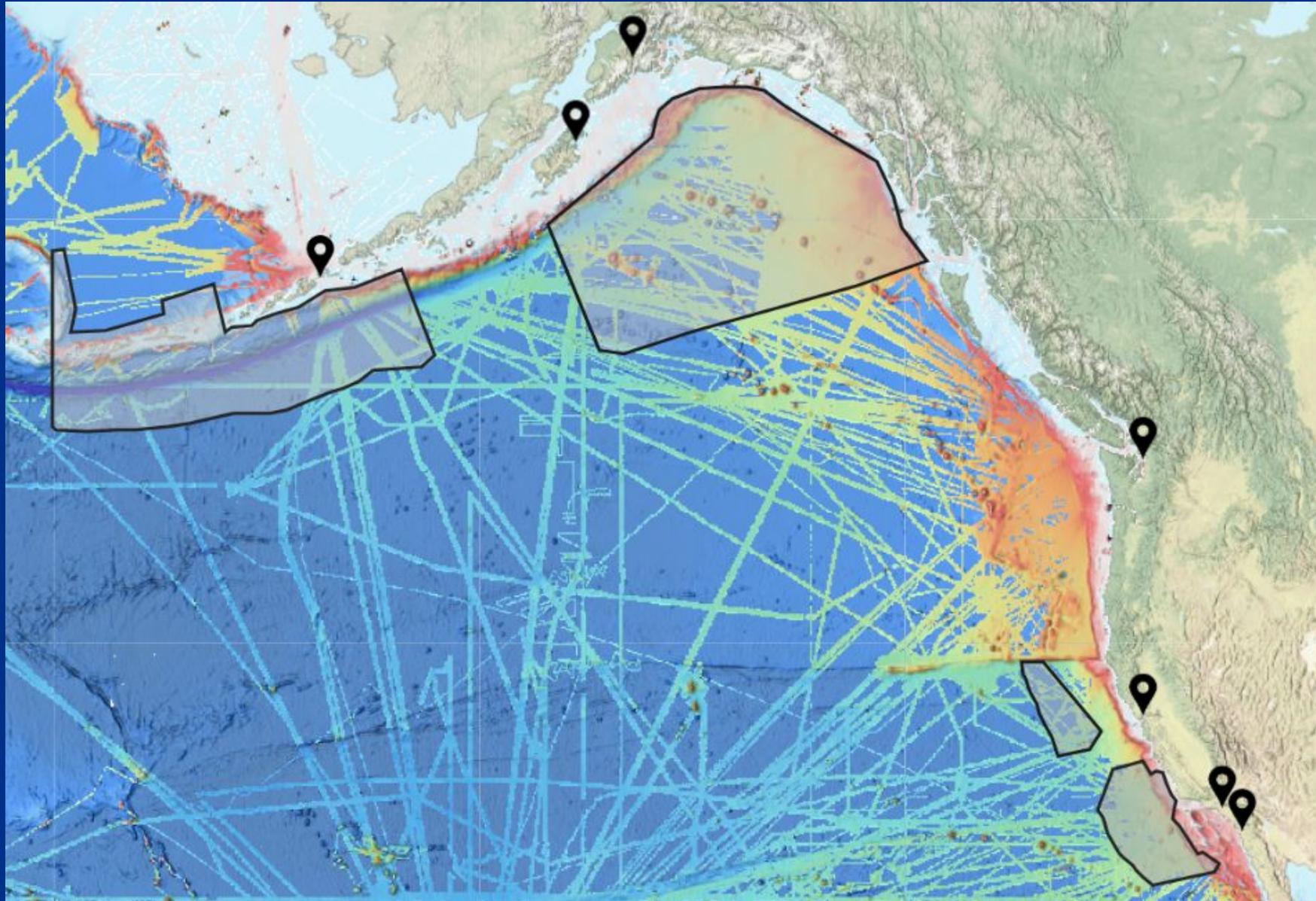
Expanding ocean research and exploration capacity through cooperative robotics, autonomy, and telepresence.

EDUCATION & OUTREACH

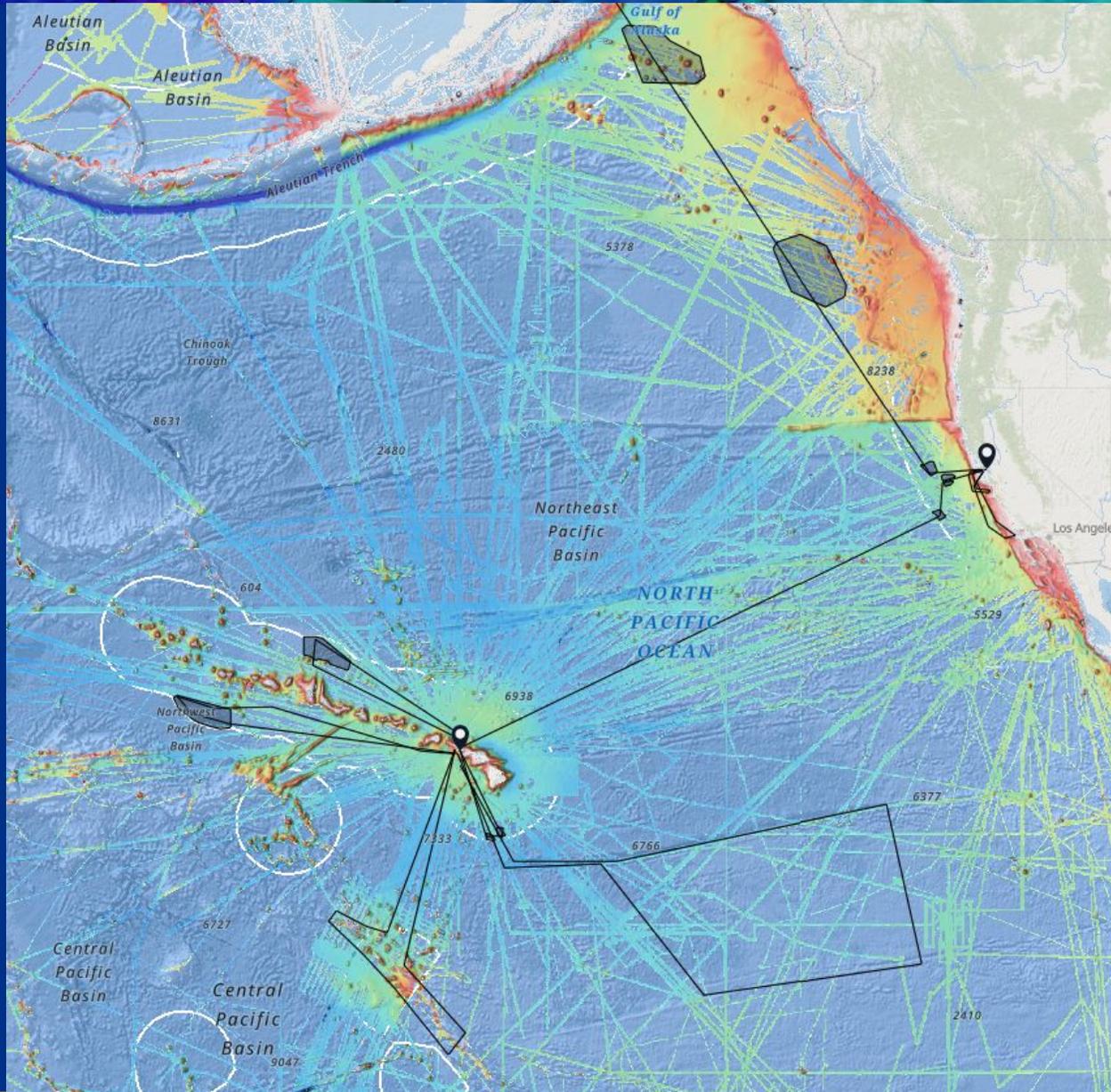


Partnership with Tuskegee University and New England Institute of Technology to expand participation in Ocean Exploration.

FY23 Operations

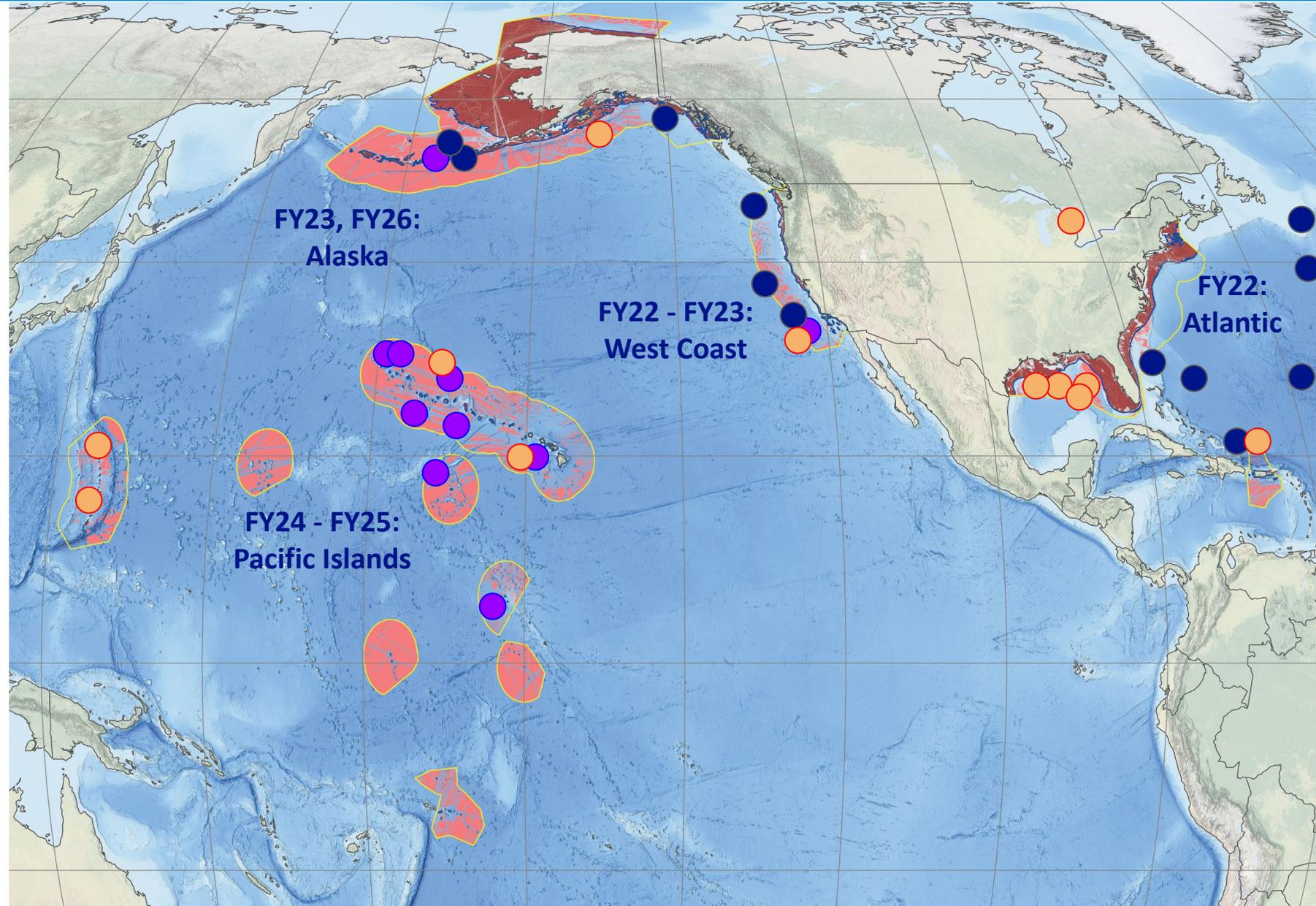


FY24 Operations for *Okeanos Explorer*



NOAA Ocean Exploration-Funded Expeditions

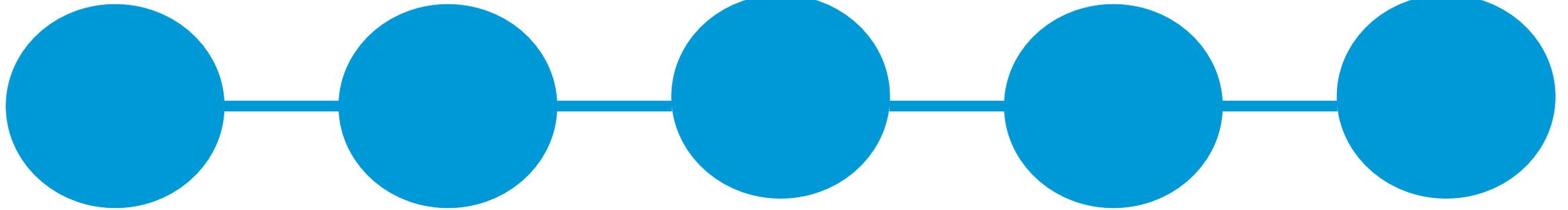
- OER anticipated Expeditions FY22/23 (*Okeanos Explorer*)
- OER funded OEI/NOPP Expeditions FY22/23
- OER funded Grant Expeditions FY22/23
- Generalized plans for OER FY funded *Okeanos Explorer* Expeditions FY22-26
- Unmapped >200m US EEZ
- Unmapped <200m US EEZ
- US EEZ Boundary



Updated 10/21

Ocean Exploration Competitive Grants Program

FY24 Timeline (dates based on past years and subject to change)



Notice of Funding
Opportunity
Spring 2023

Pre-proposal
Deadline
Summer 2023

Full Proposal
Deadline
Fall 2023

Award
Notification
2024

Award
Start Date
Sept 2024

- For FY24, anticipating approximately \$3M available to fund 4-10 awards
- More details will be available at:

<https://oceanexplorer.noaa.gov/about/funding-ops/welcome.html>

What types of internships/fellowships does NOAA Ocean Exploration Support?

INTERNSHIPS

- College-Supported Internship Program
- EPP/MSI Scholarship Program
- Explorer-in-Training Program
- Hollings Scholarship Program
- Lapenta NOAA Internship Program
- Department of Defense SkillBridge Program

FELLOWSHIPS

- Sea Grant Knauss Marine Policy Fellowship
- Presidential Management Fellow

The Explorer-in-Training Program

- Building tangible skills to increase competitiveness for educational and career opportunities in ocean-related fields
- Started in 2008, focused on ocean mapping training on NOAA Ship *Okeanos Explorer* and on-shore
- Administered in collaboration with University Corporation for Atmospheric Research - Cooperative Programs for the Advancement of Earth System Science



Professional Learning Opportunities

Deep-Sea Dialogues



Collection of short (7-10 min) videos to introduce deep-sea topics, featuring experts in the field.

Deep Dives with Deep-Sea Experts



Live, 90-minute virtual events to learn more about deep-sea topic, featuring a live Q&A session with an expert in the field.

Educator Professional Development



Learn how to bring deep-sea topics alive for students at our virtual or onsite PD workshops for educators (grades 6-12).



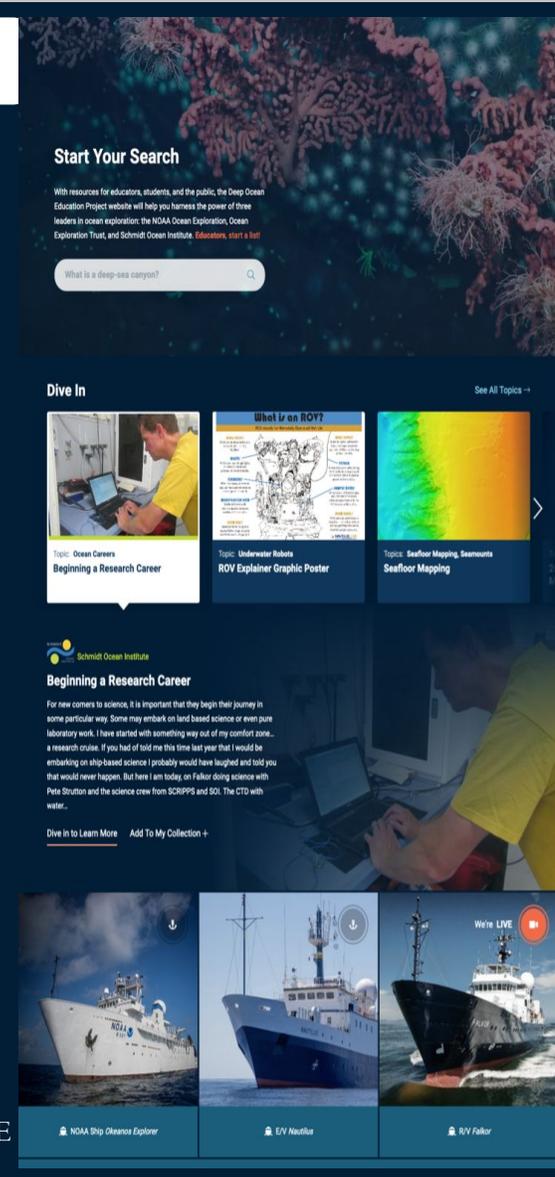
www.DeepOceanEducationProject.org

DEEP OCEAN EDUCATION PROJECT

A collaborative website featuring high-quality ocean exploration education resources and opportunities from NOAA Ocean Exploration, Ocean Exploration Trust, and Schmidt Ocean Institute.

The website includes:

- Educational materials to learn more about deep-sea topics (*lessons, multimedia, fact sheets, and more*)
- Exploration Events and Opportunities
- Expedition calendars and ship tracks





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Questions?

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