

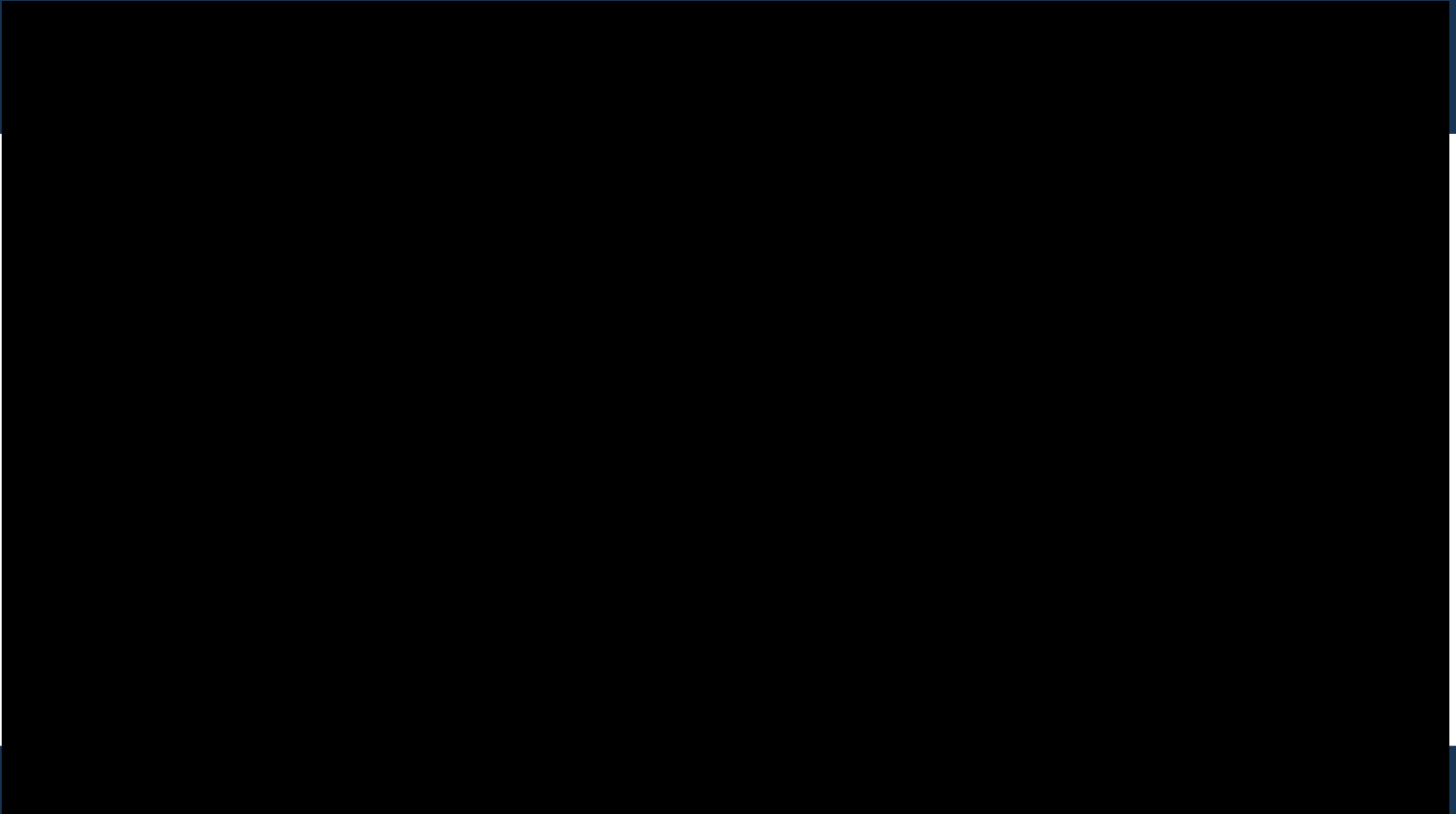
ANNOUNCEMENTS

Rob Munier



Sentry

500th Dive!



People

Sean Kelly – Sentry

Tim Twomey – Director of Ship Operations

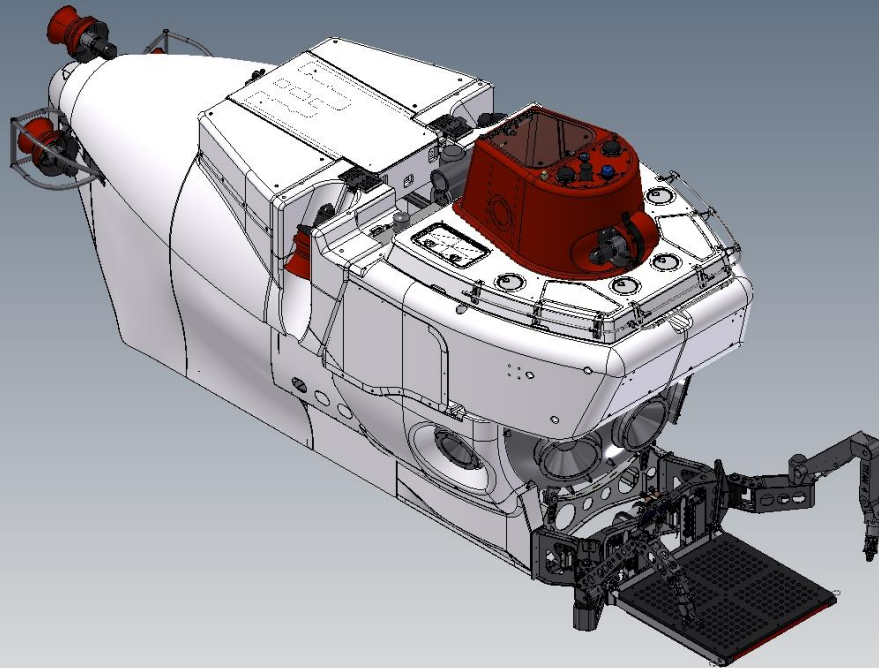
Eric Benway – Port Captain

Themes

Competence
Collaboration
Accountability
Vision

Competence

Alvin 6500 m



Engineering
NAVSEA
Long Lead
Implementation



Collaboration



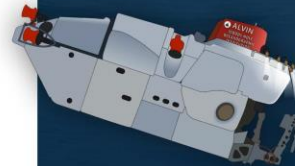
DEEP-SEA EXPLORATION IN THE 21ST CENTURY



Tour the research vessel Atlantis

Dive into Ocean Exploration

- Tour the 274-foot research vessel Atlantis
- Meet Alvin, a deep-diving submersible, and the autonomous robot Sentry
- Chat with young scientists beginning careers in ocean science and engineering
- Learn what it means to be a modern-day explorer



SAT.

Dec. 22 2018

9:30 AM – 2:30 PM PST

B Street Pier, 1140 N. Harbor Drive, San Diego, CA 92101



NDSF NATIONAL
DEEP SUBMERGENCE
FACILITY

Reserve your ticket for the R/V Atlantis & Alvin tour at
atlantis-tour.eventbrite.com



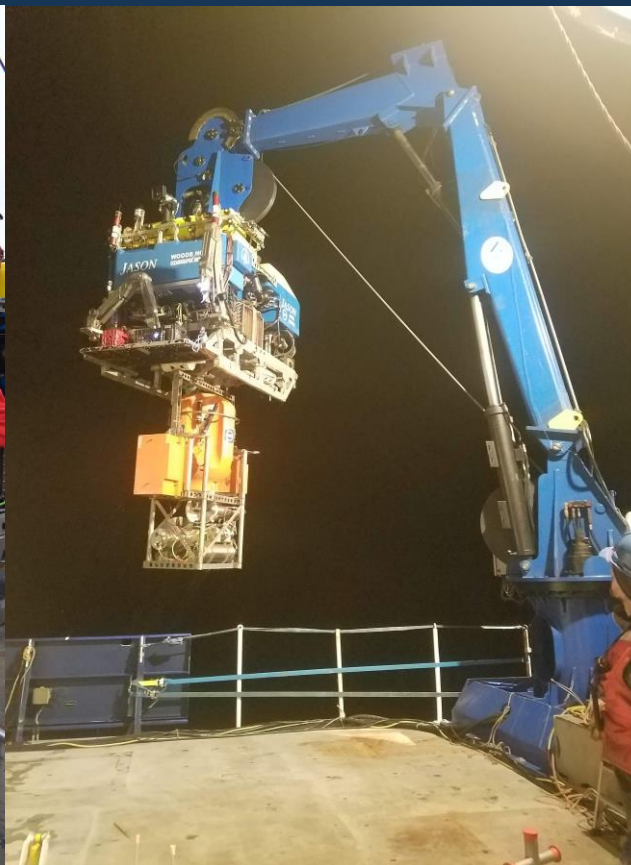
ORGANIZERS: National Science Foundation, Office of Naval Research, Woods Hole Oceanographic Institution, Scripps Institution of Oceanography & Birch Aquarium at Scripps, National Oceanic and Atmospheric Administration, University-National Oceanographic Laboratory System, American Geophysical Union

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Accountability

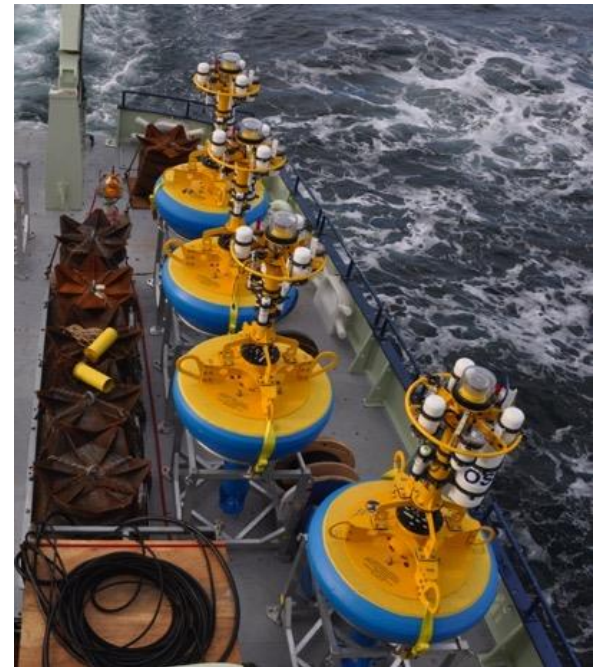
RCA



Vision

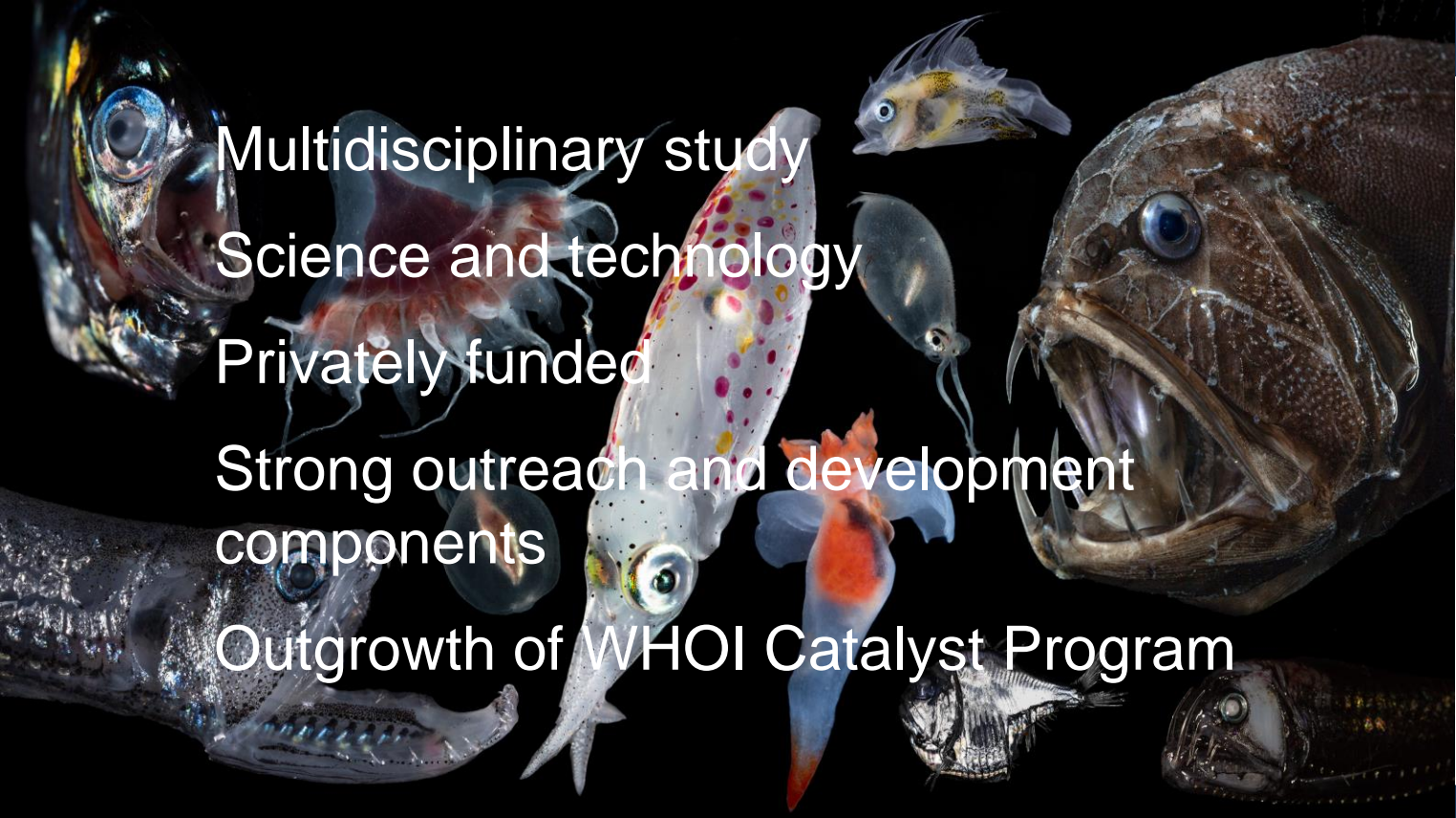


OOI 2.0



Vision

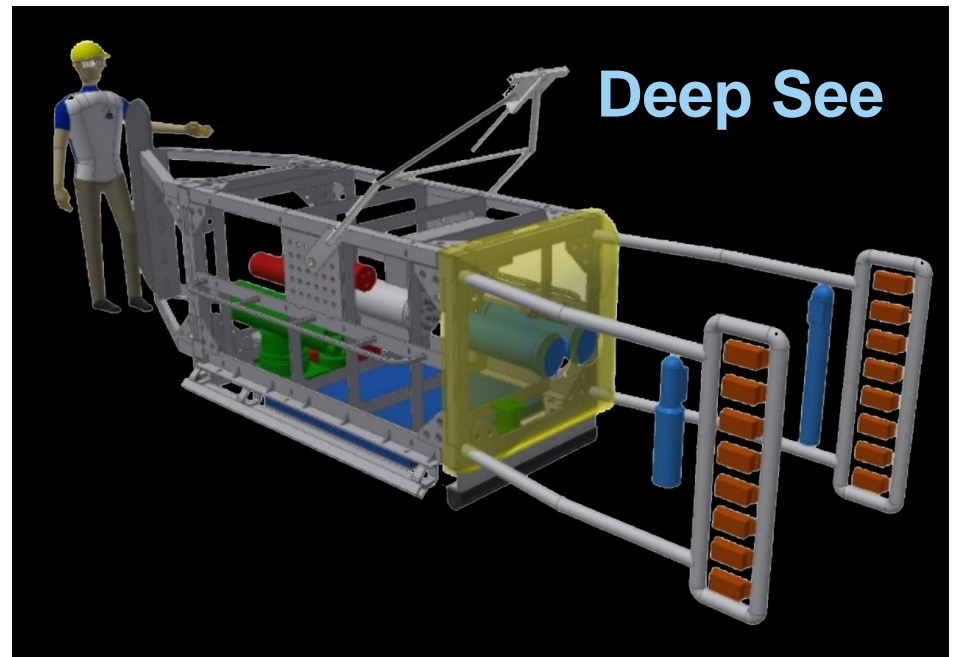
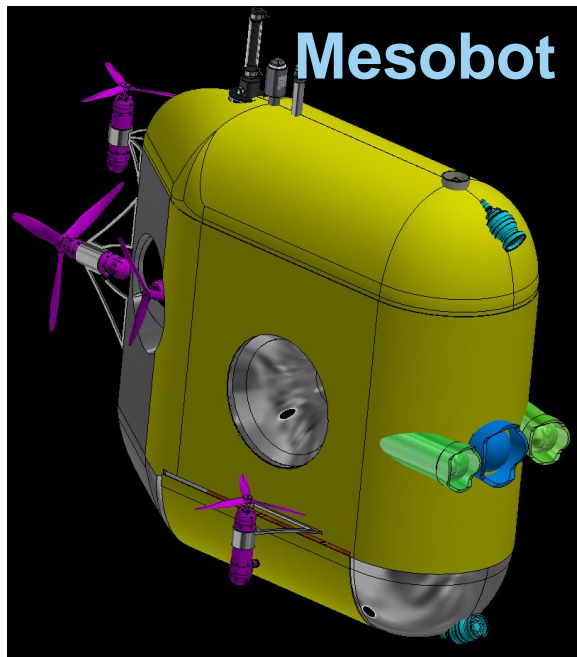
Ocean Twilight Zone



Multidisciplinary study
Science and technology
Privately funded
Strong outreach and development
components
Outgrowth of WHOI Catalyst Program

Vision

Ocean Twilight Zone



Vision Pathways to Ocean Worlds

Outgrowth of Catalyst Program

Funded through NLF and DSC

Focus on technology development for hadal zone and under ice



ORPHEUS

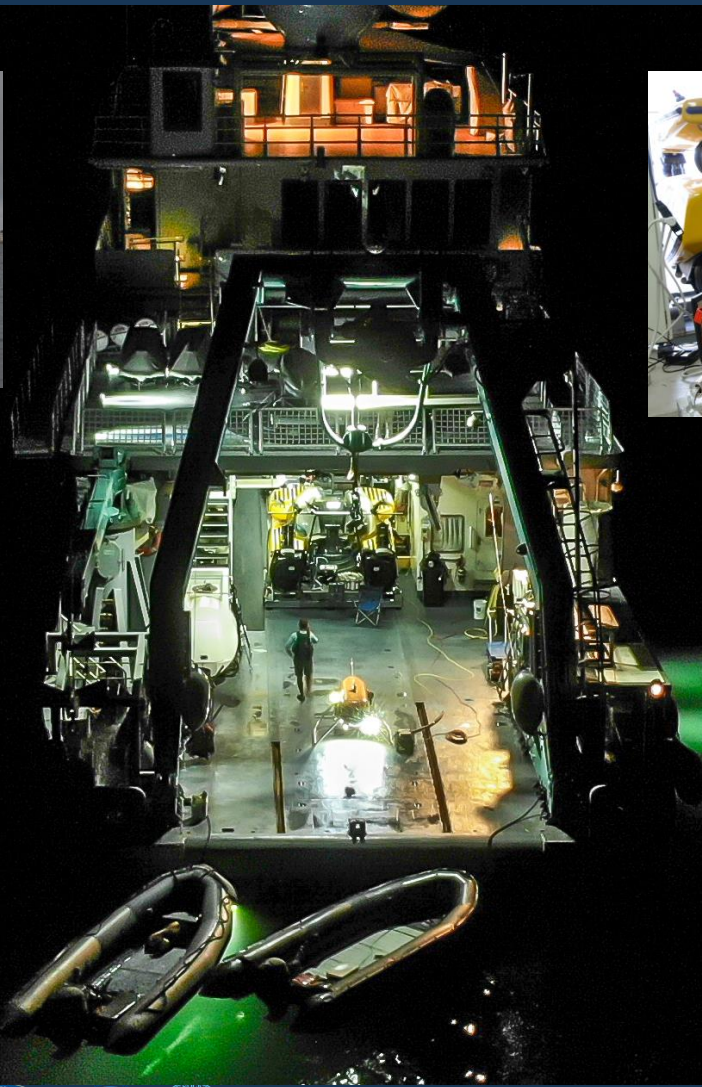
EXPLORE DEEPER

 Jet Propulsion Laboratory
California Institute of Technology

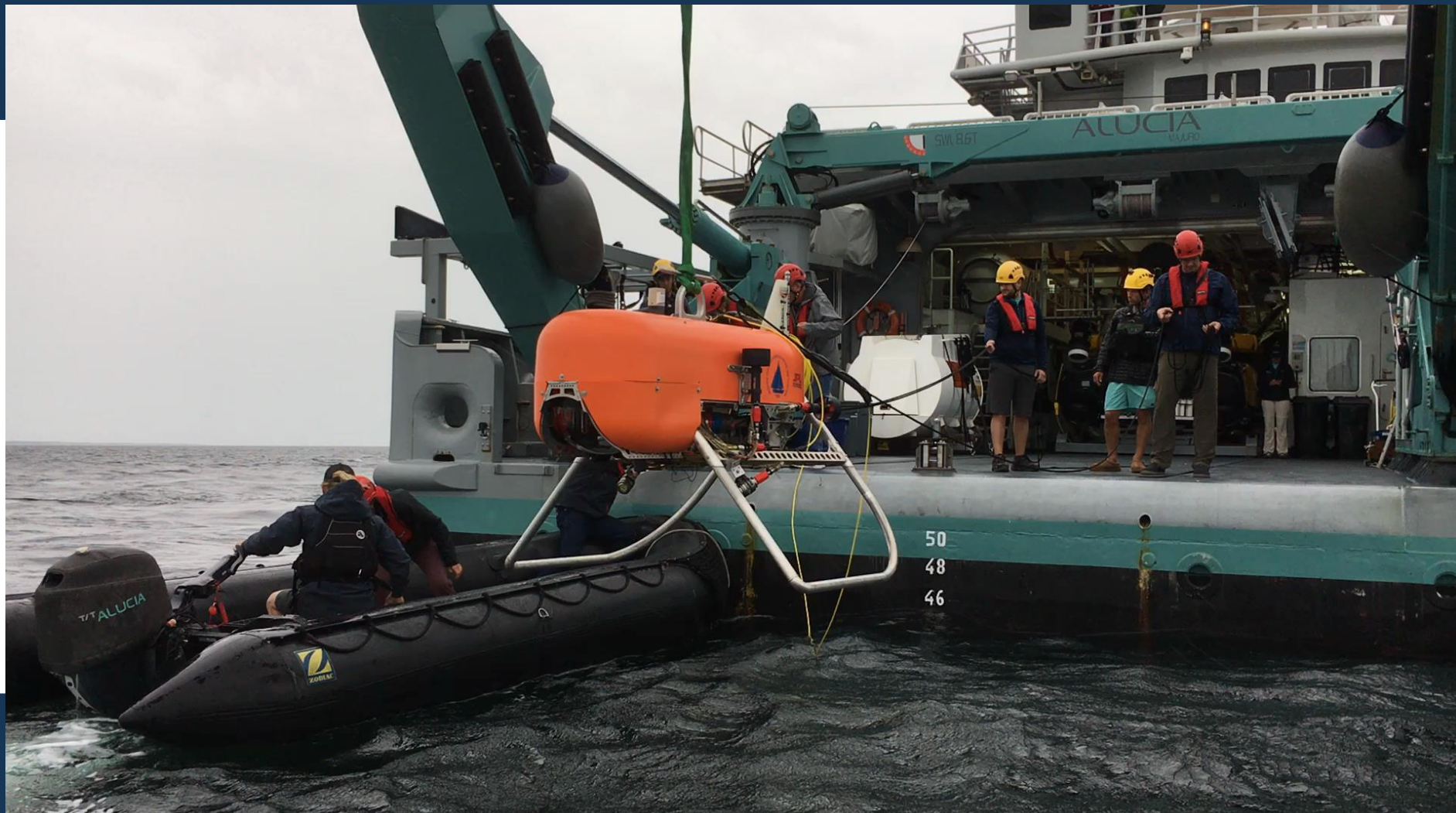
Woods Hole
Oceanographic
Institution

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Vision Pathways to Ocean Worlds





Alvin

5000th Dive!

