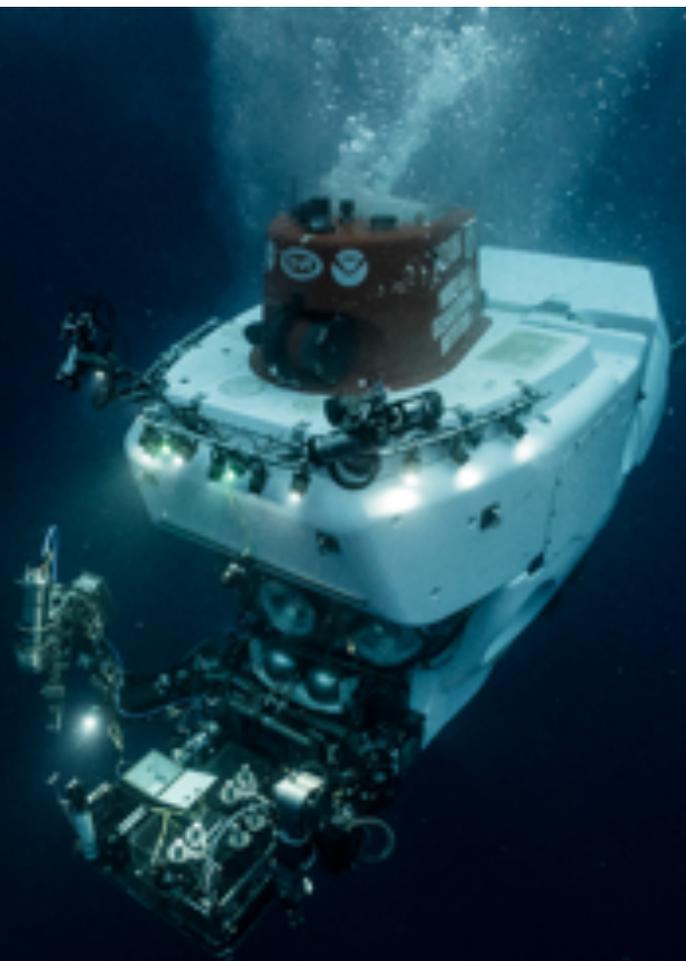


EXPANDING DEEP SEA HORIZONS

Abyssal science priorities workshop



NDSF NATIONAL
DEEP SUBMERGENCE
FACILITY

WOODS HOLE
OCEANOGRAPHIC
INSTITUTION



ORGANIZING COMMITTEE



RIKA ANDERSON
CARLETON COLLEGE



JEFF SEEWALD
WHOI



JEFF MARLOW
BOSTON UNIVERSITY



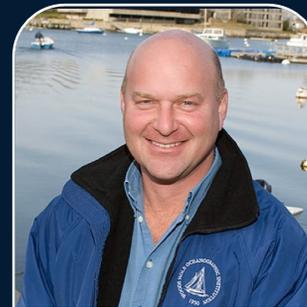
DORSEY WANLESS
BOISE STATE U



**ANNA-LOUISE
REYSENBACH**
PORTLAND STATE



ANDREAS TESKE
U NORTH CAROLINA



TIM SHANK
WHOI



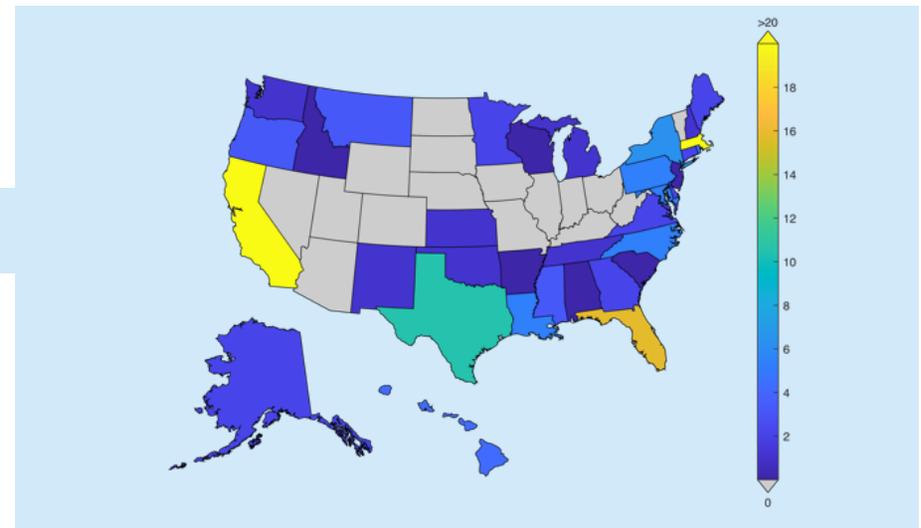
ADAM SOULE
WHOI

WORKSHOP OBJECTIVES

- Synthesize community input into a publication describing science priorities at abyssal depths.
- Develop a white paper outlining science verification activities for 6500m HOV Alvin.

COMMUNITY INPUT

- Online survey
- Subject-matter expert presentations
- Online community discussion



188 resp. from 34 states + International

WORKSHOP

- Workshop was held online (Zoom) in three four sessions. Participants watched pre-recorded presentations and spent 90 minutes in breakout rooms for moderated group discussion on a common set of questions.

Abyssal Plains & Seamounts

17 June

- Peter Auster, U Conn
- Jill McDermott, Lehigh
- Steve D'Hondt, GSO
- Jasper Konter, SOEST

[>150 registered]

Trenches & Transforms

30 June

- Chris German, WHOI
- Karyn Rogers, RPI
- Patty Fryer, SOEST
- Jeff Drazen, SOEST

[140 registered]

Technology & Societal Relevance

07 July

- Bruce Strickrott, WHOI
- Pete Girguis, Harvard
- Beth Orcutt, Bigelow
- Diva Amon, NHM London

[102 registered]

Diversity, Equity, & Inclusion in Deep Sea Science

21 July

- *Appreciative Inquiry* approach for solutions-based discussion.

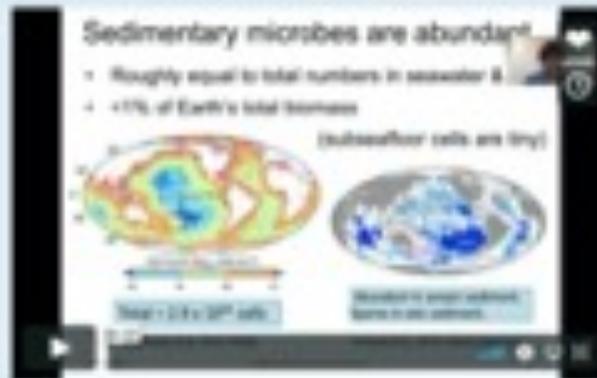
[125 registered]

Pre-Workshop Materials

Peter Auster, UConn



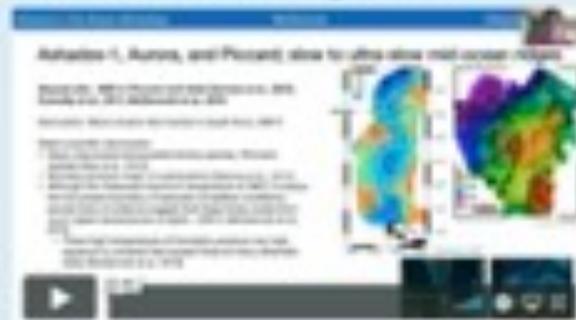
Steve D'Hondt, GSO URI



Jasper Kontar, SOEST UH



Jill McDermott, Lehigh Univ



go.who.edu/Alvin-Abyss

SYNTHESIS & NEXT STEPS

- The organizing committee has worked to synthesize the community survey, subject matter expert presentations, and workshop discussions, leading to a manuscript outline for submission in early 2021.

1. Technological Innovations

2. Crustal evolution

3. Chemical fluxes

4. Metabolic function of microbes

5. Evolution of fauna

6. Connection to humans

- An additional manuscript related to DE&I discussions is being considered and workshop results are contributing to development of 6500m Alvin science verification plans.