



Updated: 23 Feb 2023

AGENDA

2023 UNOLS DeSSC Community Meeting

A Community Meeting

Tuesday 28 February 2023

1PM Eastern

Meeting Registration:

Please register for the meeting [here](#). Upon registration you will receive login information.

All times are in Eastern Standard Time

Tuesday 28 Feb 2023

1300 Welcome & Introductions - Rob Munier/ WHOI & Andrew Thurber/OSU/ DeSSC Chair

1305 Agency and UNOLS reports (5min each)

- NSF Report - Brian Midson
- ONR Report - Rob Sparrock
- NOAA Report - Adrienne Copeland
- UNOLS Q&A - Alice Doyle

1330 Open Discussion/Breakout Groups:

Prompt 1: Where (depth/location) are the most pressing science concerns that the NDSF is challenged to support? Why?

Prompt 2: What are the barriers to the most effective use of ship time with Deep-Submergence Assets?

Introduction by Roxanne Beinart

1400 Break

1410 Deep Submergence Science Reports (5 min each, includes any questions in chat)

- Roxanne Beinart / URI - Sentry & Jason - *The impact of symbiont-larval interactions on species distributions across southwestern Pacific hydrothermal vents*
- Amy Gartman / USGS - Sentry & Jason - *Escanaba Trough hydrothermal sulfide system- exploring the seafloor and oceanic footprints*
- Craig Young / OIMB - Alvin - *Dispersal depth and the transport of deep-sea methane-seep larvae around a biogeographic barrier*
- Shawn Arellano / WWU - Alvin - *The predictive nature of microbial biofilms for cuing larval settlement at deep-sea vents*
- Jill McDermott / Lehigh - Alvin - *Monitoring hydrothermal fluid origin, crustal permeability and seafloor morphology*
- Amy Baco-Taylor / FSU - Jason - *Defying Dissolution*
- Geoff Wheat / MLML - Jason - *Characterization of Subduction Channel Processes, Borehole Sampling at Active Serpentinite Mud Volcanoes on the Mariana Forearc*
- Bill Chadwick / OSU - Sentry & Jason - *Advancing Deformation Monitoring Methods at Axial Seamount*

1500 Break





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1510 NDSF & RV ATLANTIS Operations

- **Operations Summary** - Tina Haskins/WHOI (5min)
- **NDSF Scheduling Summary** - Kerry Strom/WHOI (5min)
- **DEIJ in the NDSF groups** - Anna Michel/WHOI (5min)
- **SVE Summary** - Rosa Leon-Zayas /Willamette University (5min)

1540 NDSF Vehicle Post-Cruise Assessment Reports (5min each)

- **AUV Sentry** - Scott White / U of South Carolina (5min)
- **ROV Jason** - Andrew Thurber / OSU (5min)
- **HOV Alvin** - Roxanne Beinart / URI (5min)

1555 Vehicle Updates & Return to Service - Andy Bowen/WHOI (20min)

1615 Break

1615 Open Discussion/Breakout Groups

Prompt 1: If you could make one measurement in the deep sea, that you can't. What would it be? Is there a barrier to supporting this or is this a community need?

Prompt 2: What are the barriers to new users and diverse users of the NDSF and Global Deep Submergence Assets?

1640 Other DeSSC & Community Initiatives

- **MISO/Fixed Focus Cameras** - Dan Fornari/WHOI
- **Medium ROV initiative** - Andrew Thurber/DeSSC & OSU
- **ARV - Deep Submergence in Antarctica?**

1658 Upcoming DeSSC Meetings - Andrew Thurber/OSU

- **2023 Spring Meeting** - 10, 11 May 2023 @ WHOI

1700 Meeting adjourned

