



Revised: May 22, 2019

*Agenda*

**Deep Submergence Science Committee  
Woods Hole Oceanographic Institution  
Carriage House  
Woods Hole, MA  
May 29-30, 2019**

**Webex Information:**

[Webex Login](#)

Phone in: 408-792-6300

Meeting Number: 801 173 634

Password: PxWR3M9x

**Wednesday, May 29<sup>th</sup>**

**0800 Coffee**

**0830 Introductory Remarks, Meeting Logistics, Introductions** (Anna-Louise Reysenbach)

- Introduce new DeSSC members
- Participant Introductions
- Review meeting agenda

**0845 Agency and UNOLS Reports**

- NSF (Brian Midson)
- ONR (Tim Schnoor)
- NOAA (Rachel Medley)
- UNOLS (Alice Doyle)

**0925 National Deep Submergence Facility (NDSF) Operator's Report**

- Introductory Remarks and Announcements (Rob Munier)
- Report on income from NDSF image use (WHOI)

**0940 NDSF Deep Submergence Vehicle Operations & Scheduling**

- NDSF Vehicle Operations Summary (Andy Bowen)
  - *Alvin, Jason, and Sentry*
- 2020 and Beyond (Kerry Strom)
- Update on R/V *Atlantis* mid-life refit (Kerry Strom)

**1010 Break**

**1030 NDSF Vehicle Debrief Interviews**

- Summary of issues identified in *Sentry, Jason, and Alvin* debrief interviews
  - *Alvin* (Amanda Demopoulos via Webex; 10 min)
  - *Sentry* (Scott White; 10 min)
  - *Jason* (David Emerson; 10 min)

- 1100 National Deep Submergence Facility Update** (this includes WHOI's corrective actions to the debriefs) (Andy Bowen)
- Facility update
  - *Jason*
  - *Sentry*
  - *Alvin*
  - NDSF Technology update (Carl Kaiser)
- 1200 Lunch Break**
- 1300 2018 Early Career Scientist Training aboard R/V *Atlantis* with *Alvin/Sentry*** (Elizabeth Trembath-Reichert)
- 1315 New Equipment Idea - A Versatile Microbial Manifold** (Elizabeth Trembath-Reichert)
- 1320 Fixed Focus high resolution imaging on NDSF vehicles** (Dan Fornari)
- 1325 Optimizing *Alvin's* Use and NDSF Outreach** Discussion on how *Alvin's* use can be optimized and then convey that to the community. Suggested strategies:
- Publish an Eos Article.
  - Tandem use of *Sentry* and *Alvin*
  - Identify programs that need *Alvin*. Engage the community.
  - Create a users guide that compares the capabilities of the platforms so users will understand what vehicle is optimal for their research operations.
  - NDSF Boot-camp and Outreach in General – Adam Soule
- 1355 *Alvin's* Science Verification Cruise**  
Plans for science verification after *Alvin* Upgrade (Anna Louise Reysenbach)
- Deeper Capability *Alvin* Workshop
- 1415 Emerging technologies and Broader Activities**
- Ocean Observing Initiative (Brian Midson; 5 min)
  - Autonomous Surface Vehicle tender for *Sentry* (Andy Bowen; 5 min)
  - *Nereid* Under Ice, *Nereid* Hybrid Tether (Andy Bowen; 5 min)
  - ROV Operation Updates:
    - U. Hawaii ROV *Lu'ukai* (Brian Glazer remotely)
    - Canadian Scientific Submersible Facility ROV *ROPOS* (Keith Tamburri, ROPOS)
    - Schmidt Ocean Institute, ROV *Subastian* (Errol Campbell remotely)
- 1500 Break**
- 1515 Brainstorm Session 1: DESCEND-2 Implementation** - Follow-up from Fall DeSSC meeting suggestions:

- Recap the community suggestions from the Fall DeSSC meeting (Anna-Louise Reysenbach)
- Deep Submergence Science RCN (Mandy Joye)
- Start work on implementation
- Deep Submergence Summer/Winter School – Discuss strategies for moving forward (Anna-Louise Reysenbach)
  - Examples
  - Seek foundation support
  - Ideas

**1615 *Adjourn Day 1***

**1630 DESSC Working Session**

- DeSSC Membership Review
- DeSSC Positions and Assignments:
  - Vehicle friends – Alvin (Amanda), Jason (David – term ending), Sentry (Scott)
  - New User Program – Brian Glazer, Vicki Ferrini, and Karyn Rogers
  - Data Management – Scott White
  - Outreach / Facebook –
  - Vice Chair Position and Assignment
  - Early career champion
- Discussion on DESCEND-2 Implementation

---

**Day Two: Thursday, May 30<sup>th</sup>**

**0800 Coffee**

**0830 Day-2 Introductory Remarks** (Anna-Louise Reysenbach)

- Recap of Day 1, including the working session

**0840 Imagery Training** - Training is needed on how to take imagery from *Jason*. Form a small subcommittee that provides instructions/tips for video. Suggestions:

- Create a cheat-sheet on how to make a good video.
- Training/Educate: Have a workshop?
- Make a YouTube video.

**0855 DeSSC Activity Reports**

- DeSSC Subcommittee on Telepresence-Enabled Science Missions Report (Chris German – via Webex; 10min)
- Video Standards and Data Management (Scott White; 10min)
- NDSF Coordinating with Polar Scientists (Andrew Thurber; 10min)
- USBLs on UNOLS Vessels (Alice Doyle; 10min)

**0935 Brainstorm Session 2 - DESCEND-2 Implementation** - Follow up from Day-1 (Anna-Louise Reysenbach)

**1105 Other business**

- Winter DESSC Meeting – Discussion on date, venue, session themes, format, DeSSC member attendance
- DESSC members and meeting participants are welcome to report on items of interest

**1200 *Adjourn***