

Revised: May 20, 2017

**Agenda**  
**Deep Submergence Science Committee**  
**Woods Hole Oceanographic Institution**  
**Carriage House**  
**Woods Hole, MA**  
**June 6-7, 2017**

Tuesday, June 6<sup>th</sup>

**0800 Coffee**

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

- Participant Introductions
- Review meeting agenda

**0845 Agency and UNOLS Reports**

- NSF (Brian Midson)
- ONR (Tim Schnoor)
- NOAA (Alan Leonardi)
- UNOLS (Annette DeSilva)

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

- Introductory Remarks and Announcements (Rob Munier)
- NDSF Vehicle Operations Summary (Lisa Smith)
  - *Alvin, Jason, and Sentry*

**1000 NDSF Deep Submergence Vehicle Scheduling**

- 2018 and Beyond (Kerry Strom)
- NDSF Vehicle Utilization Discussion

**1015 Break**

**1030 NDSF Vehicle Debrief Interviews & Post Cruise Assessment Reports (PCAR)**

- Discussion on format and content of debrief summary report at December meeting (this will be revisited after the vehicle upgrade reports)
- Summary of issues identified in *Sentry, Jason, and Alvin* debrief interviews
  - *Sentry* (Scott White; 10 min)
  - *Alvin* (Amanda Demopoulos; 10 min)
  - *Jason* (David Emerson; 10 min)

**1110 Upgrades to National Deep Submergence Facility** and corrective actions to issues identified in the debriefs (Andy Bowen)

- *Jason*
- *Sentry*
- *Alvin*

**1140 Open discussion of morning topics.**

**1200 Lunch Break**

**1300 USBLs on UNOLS Vessels** – Many ships have a permanent USBL system installed, but they are all operated in slightly different ways and sometimes have hardware from different providers. This may be problematic for the use of those systems by NDSF. NDSF is asked to develop a summary of the landscape of USBL systems to facilitate a broader discussion within UNOLS/FIC. – Adam Soule & Andy Bowen

**1320 NDSF Video and Data Management Update** – Adam Soule and Jon Howland

**1340 WHOI Study on Engineering Use of Telepresence** – Jon Howland

**1400 DeSSC Subcommittee on Telepresence-Enabled Science Missions Report** – Chris German

**1420 Break**

**1435 Brainstorm Session 1: Future New User Programs, Outreach, and Community Engagement/Collaborations:**

- 2017 New User Program at AGU (Annette DeSilva) – 5 min
- Establishing Mentor Programs for New Users (Pete Girguis) – 10min
- Small Breakout Groups for focused discussions (45 min)
- Plenary – Reports from each breakout group and general discussion. (30 min)

**1605 Adjourn Day 1**

**1620 - DESSC Executive Session**

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

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**Day Two: Wednesday, June 7th**

**0800 Coffee**

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

- Recap of Day 1, including the executive session

**0845 InterRidge – Selection of US Steering Committee members** – Anna-Louise Reysenbach

**0900 Emerging technologies and Broader Activities**

- Ocean Observing Initiative (Brian Midson & Brian Glazer; 10 min)
- NDSF Coordinating with Polar Scientists (5 min)
- Deep Ocean Observing Strategy (Adam Soule; 5 min)
- Autonomous Surface Vehicle tender for *Sentry* (Andy Bowen; 5 min)
- *Nereid* Under Ice, *Nereid* Hybrid Tether (Andy Bowen; 5 min)
- ROV Development and Operation Updates:
  - MBARI Activities (Craig Dawe; 5 min)
  - U. Hawaii ROV (Brian Glazer; 5 min)
  - Scripps Institution of Oceanography ROV (TBD; 5 min)
  - Schmidt Ocean Institute 4500 m ROV (Allison Miller; 5 min)

**0950 Brainstorm Session 2: Deep Submergence Science – the next 5 years**

- DESCEND2 Workshop – Recommendations and Findings (Pete Girguis) (15 minutes)
- **Break** (15 minutes)
- Breakout groups to discuss strategies for implementing recommendations and findings. (45 minutes)
- Plenary – Reports from each breakout group and general discussion. (30 minutes)

**1135 Other business**

- Winter DESSC Meeting - date, venue, session themes, format (5 min)
- DESSC members and meeting participants are welcome to report on items of interest

**1200 Adjourn**

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