

Revised: May 30, 2014

Tentative Agenda
Deep Submergence Science Committee
Woods Hole Oceanographic Institution
Carriage House – Quissett Campus
Woods Hole, MA
June 19-20, 2014

MEETING BEGINS AT 8:30 AM

Thursday, June 19, 2014 – Carriage House

0800 Coffee and Pastries

0830 Introductory Remarks, Meeting Logistics, Introductions (Peter Girguis)

- Participant Introductions
- Review meeting agenda

0845 Agency and UNOLS Reports

- NSF (Brian Midson)
- NOAA (John McDonough)
- ONR
- UNOLS (Annette DeSilva)

0915 National Deep Submergence Facility (NDSF) Operator's Report

- Introductory Remarks and Announcements (Andy Bowen)
- Meet the new Chief Scientist for Deep Submergence (Adam Soule)
- NDSF Vehicle Operations Summary (Rick Chandler)
 - *Alvin, Jason, and Sentry*
 - NDSF Support Ships

0945 NDSF Deep Submergence Vehicle Scheduling: 2015 and Beyond (Eric Benway)

1000 Break

1020 NDSF Vehicle Debrief Interviews

- Summary of issues identified in *Sentry, Jason, and Alvin* debrief interviews (Vicky Ferrini, Wiebke Ziebis, and *Alvin* friend)
- Summary of WHOI's Response to debriefs (Carl Kaiser, Matt Heintz, and Bruce Strickrott)
- The debrief process – How can the process be optimized?

1120 UNOLS Post Cruise Assessment Reports (PCAR) for NDSF vehicles – It was recommended that a post cruise reporting mechanism for NDSF vehicles be implemented similar to the UNOLS R/V PCARs. Review and discuss draft PCAR for NDSF vehicles (Pete Girguis)

1140 Upgrades to National Deep Submergence Facility (Andy Bowen)

- *Jason*
- *Sentry*

1210 Lunch Break

1300 Follow-up on Recommendations and Activities from Previous DESSC Meetings -

- Sentry Report - DESSC recommendations and questions to WHOI's report on Sentry's first year of operations were sent to WHOI in September 2013. WHOI's response to questions. (Carl Kaiser)

1320 NDSF Data Management Update (Vicki Ferrini)

1350 NDSF Tool Recommendations:

- Precision multi-sampler for use with deep-submergence vehicle – WHOI's evaluation and recommendation to DESSC regarding including the sampler as a third party tool. (Matt Heintz)
- Mobile Pumping System – DeSSC has been asked to consider recommending the Mobile Pumping System designed by Jim Cowen et al. as a possible third party tool for the *Jason/Alvin* assets. (Pete Girguis)

1415 Break

1435 Alvin Upgrade Project:

- Introduction (Susan Humphris and Brian Midson)
- Science Verification Cruise – Products, best practices, and other follow-on activities (Pete Girguis)
- Update on status of issues identified during the SVC (e.g. video recording, data recording) (WHOI rep)
- Phase II Plans – Battery technology status, timeline, funding (Brian Midson and Susan Humphris)

1535 Open Discussion

1600 Adjourn Day 1

1610 - DESSC Executive Session

Day Two: Friday, June 20 – Carriage House

0800 Coffee and Pastries

0830 Day-2 Introductory Remarks (Pete Girguis)

0840 DeSSC's Early Career Scientist/Student Program – Open discussion on future plans, leadership, etc. (Pete Girguis)

1000 *Mid Morning Break*

1020 Emerging technologies related to the NDSF

- UNOLS Ship-to-Shore Communications Subcommittee Recommendations – Dwight Coleman (15 min)
- NSF-INSPIRE "Telepresence" project – Chris German (15 min)
- Report on the Loss of *Nereus* – Andy Bowen (15 min)
- *Nereid* Under Ice Update – Andy Bowen (5 min)
- Full Ocean Depth HROV - Schmidt Ocean Institute Development Project – Victor Zykov and Eric King (15 min)
- Deep Discoverer ROV – John McDonough (10 min)
- Ocean Observing Initiative – Brian Midson (10 min)
- U. Hawaii's new deep ROV – John Wiltshire (10 min)
- Deep Sea Challenger Vehicle – Andy Bowen (5 min)

1200 Other business

- Future DESSC Meetings
 - Winter meeting date, venue, session themes, format
- DESSC members and meeting participants are welcome to report on items of interest.

1215 *Adjourn*
