

Revised: August 9, 2017

Agenda
Scientific Committee for Oceanographic Aircraft Research (SCOAR)
Scripps Institution of Oceanography
Martin Johnson House
La Jolla, CA
August 16-17, 2017

For Participants who cannot attend in person: Webex Log in information:

To join the online meeting, go to:

<https://unols.webex.com/unols/j.php?MTID=m5a98a7b5497731adc9c97c0ad52e0476>

Meeting number: 805 359 228

Meeting password: air2017

Join by phone: 1-877-668-4490, Access code: 805 359 228

Day 1, Wednesday, August 16th:

0830 Welcome and Introduction

- Welcome by SCOAR Chair – Luc Lenain
- Introduction of participants
- Review the Meeting Agenda

0845 Agency and UNOLS Reports

- **ONR** – Tim Schnoor (10 min)
- **NSF /PLR** – UAS Antarctic Operations – Tim McGovern (10 min)
- **ICCAGRA** – (10 minutes)
- **USCG Report** – Phil McGillivray (10 minutes)
- **NOAA Aircraft Facilities and Operations** – Jim McFadden (10 minutes)
- **NOAA's UAS Program** – JC Coffey (10 minutes)
- **National Science Foundation's Center for Unmanned Aircraft Systems Industry Advisory Board (IAB) meeting** hosted by NOAA's UAS Program – JC Coffey (10 min)
- **UNOLS report** – Annette DeSilva (10 minutes)
- **Airborne research developments (both unmanned and manned based) at NASA AMES** – Ved Chirayath (NASA CS) (10 Min)
- **Discussion/Q&A**

1030 Break

1050 CIRPAS Report - UNOLS National Oceanographic Aircraft Facility – This has been a transition year for CIRPAS.

- **An overview of the CIRPAS Transition – Tim Schnoor**
- Future CIRPAS Operational Plans – Bob Bluth
- Should the CIRPAS-developed capability remains a UNOLS Facility should be an agenda topic discussed and adjudicated by the Committee.

1150 Lunch Break

1300 Manned and Unmanned Oceanographic Aircraft Development/ Operations at Institutions - (Non-NOAF):

- UAF UAV Operations – Cathy Cahill (UAF) (15 min)
- WHOI Unmanned Aircraft Vehicle Operations – Report on WHOI UAV systems, operations, and planned activities – David Fisichella (15 min)
- UAS Activities at LDEO – Chris Zappa (15 min)
- Activities at Lone Star UAS FAA test site related to coastal mapping – Michael Starek (TAMUCC) (15 min)
- SOI’s plans for UAS operations from R/V *Falkor*– Stian Alesandrini (SOI) (15 min)

1415 Break

1435 Manned and Unmanned Oceanographic Aircraft Development/ Operations at Institutions (Non-NOAF) (continued):

- MBARI UAS program – Eric Martin (20 min)

1455 Technology Developments:

- CAsPeR MÛRI - Qing Wang (NPS) (20 min)

1515 SIO UAS Facility Tour

1615 Adjourn Day One

1630 SCOAR Executive Session

SCOAR Meeting, Day 2, Thursday, August 17th:

Web/Phone Log-In is the same as Day 1.

0830 Day-2 Opening Remarks – Luc Lenain

0840 Technology Developments (continued from day-1):

- CIRPAS Twin Otter CTV - Djamel Khelif (UCI) (20 min)
- Update on APL-UW Airborne Remote Sensing: Mountain Snow and Coastal Processes – Chris Chickadel (APL/UW) (20 min)

0920 Policies, guidance and training for aircraft operations

- 0920 - Review draft guidance document on use of UAS from UNOLS Ships – The document would assist both the research community who are interested in using airborne assets in support of their research as well as the ship operators – Luc Lenain (30 min)
- 0950 - Should SCOAR develop a UAS point of contact list for every UNOLS institution – Luc Lenain (10 min)
- **1000 - Break** (15 min)
- 1015 - UNOLS *Research Vessel Safety Standards (RVSS)* Chapter on UAS Operations (Chapter 19) – Is review and update needed?
https://www.unols.org/sites/default/files/RVSS_Edition_10_July2015.pdf (15 min)
- 1030 - Develop pilot training for UAS operations from ships (10 min)
- 1040 - Chief Scientist Training Program (10 min)
- 1050 - Draft a UAS 101 Handout with a list of Top 10 UAS Dos and Don'ts. (10 min)

1100 Future Business and Direction for SCOAR - Brainstorming on future activities.

1130 SCOAR Outreach Activities:

- Ocean Sciences Meeting: February 11-16, 2018, Portland, OR
- Eos Article – Status of draft an Eos article about oceanographic aircraft and SCOAR - Phil McGillivray
- Discussion on future outreach activities and venues

1200 Other Business:

- Discussion on SCOAR Membership including Ex-officio members – Luc Lenain
- OOSC Liaison Report and OOIFB – Raphael Kudela and Annette DeSilva
- AICC Liaison Report – Steve Hartz
- Next meeting, dates and location

1215 Closing Remarks

1220 Adjourn meeting