



# UNOLS Year in Review

UNOLS Office

2019 UNOLS Annual Meeting

Hilton Alexandria Old Town



# UNOLS 2019 Highlights

May 2019 -

UNOLS office  
moves to  
UW!





# Regional Class Research Vessels (RCRVs)

- RV *Taani* – OSU – Begin Ops August 22
- RV *Resolution* – ECOC – Begin Ops Feb 23
- RV *Gilbert R. Mason* – GCOC – Begin Ops Jul 23



**RCRV Webcams - <http://webcam.oregonstate.edu/rcrv3>**

## Fleet Renewal

# Global Mid-life Refits Extending Service for 15-20years



*RV Thomas G Thompson*  
University of Washington (UW)  
Service Life Extended to 2036



*RV Roger Revelle* - Current Retirement - 2026  
UCSD - Scripps Institution of Oceanography  
Testing Trials starts Jan 2020



*RV Atlantis* - Current Retirement - 2027  
Woods Hole Oceanographic Institution (WHOI)  
Shipyard planned for 6/20 – 6/21 planned



# MERAS

(Maintaining an Environment of Respect Aboard Ships)

- Promotion of civility, respect, inclusion
- Prevention of harassment, discrimination, bullying
- Pregnancy policy facilitation

~fostering a safe, productive, and positive experience at sea for all~

## **Committee Membership:**

- Debbie Steinberg/VIMS (Co-Chair)
- Mark Brzezinski/UCSB (Co-Chair)
- Craig Lee/UW
- Clare Reimers/OSU
- Emily Shimada/WHOI
- Brandi Murphy/UNOLS Office /UW

# UNOLS and Shipboard Civility

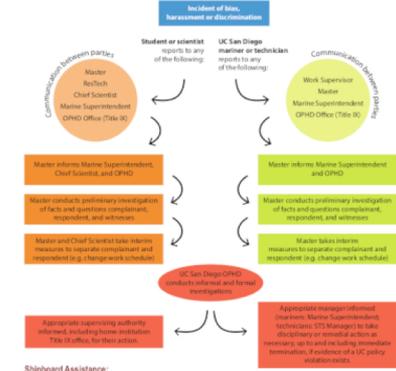
The National Science Foundation and the Office of Naval Research, in conjunction with UNOLS, are striving to improve civility and eliminate harassment in the workplace, in particular those places associated with the performance of shipboard oceanographic research. A three module program has been created aimed at ensuring that all parties involved in research aboard the vessels of the U.S. Academic Research Fleet (ARF) are treated with respect and civility and have the resources for when things don't go as planned.

Modules one and two are a two part video series *Shipboard Civility: Fostering a Respectful Work Environment*. These videos are available to stream or download and are required viewing before participating in any research at sea aboard a UNOLS designated vessel.



## Preventing Harassment & Discrimination at Sea: Complaint Resolution Flow Chart

We support UC San Diego's Principles of Community, and our mission reflects the University's commitment to maintaining a climate of fairness, cooperation, and professionalism. We join others at UC San Diego in embracing diversity, equity, and inclusion as essential ingredients of academic excellence in higher education.



**Shipboard Assistance:**  
Contact the captain, reestech, chief scientist or your work supervisor

**Off-Ship Assistance:**  
Marine superintendent: Zoltan Kality - zkality@ucsd.edu - 858-534-1543  
OPHD Title IX Officer: (858) 534-8298 or ophd@ucsd.edu  
To report bias, harassment or discrimination: reportbias.ucsd.edu  
Sexual Assault Resource Center: sarr.ucsd.edu

UC San Diego

The third module is intended to provide operator-specific resources and information to cruise participants should they need assistance with a work place issue. This third module will be included in the cruise planning documentation prior to boarding a vessel and posted prominently on board. It is also a good practice to be aware of the contacts and process at your own institution before you need it.



For details visit [www.unols.org/shipboard-civility](http://www.unols.org/shipboard-civility)





# CyberSecurity

- Importance of Cybersecurity
  - Regulations, general safety, data integrity, etc
- Engagement with the Trusted CI (<https://trustedci.org/>)
  - Vessel site visits
  - RVTEC
- US ARF is very unique as a Large Facility
- Report due out early in January 2020



# STRS & PCAR Replacement

- **Marine Facilities Planning (MFP)** – see <https://maas-se.nl/mfp/>
  - Developed for NIOZ & NERC, since implemented for GEOMAR, being implemented by CSIRO
  - Modular, Cloud Based system that supports in integrated fashion:
    - Scheduling
    - Cruise Planning
    - Post Cruise Assessment
    - Equipment management
    - Supply management
    - Crew resource management
    - And more!
  - Development & Implementation supported by NSF & ONR



# RVSS Update

- RVSS is now 4 years old and due for a refresh
- Working with Safety Committee Chair Jeff Garrett on a rewrite/refresh plan
- Examples of some key areas that require attention:
  - **Chartering non-UNOLS Vessels / Chapter 18**
    - Draft of new guidance submitted for concurrence
  - **Aviation Operations / Chapter 19**
    - UAS Guidelines
    - No Helicopter capable ships
  - **Rope & Cable Standards / Appendix A**
    - Synthetic line?

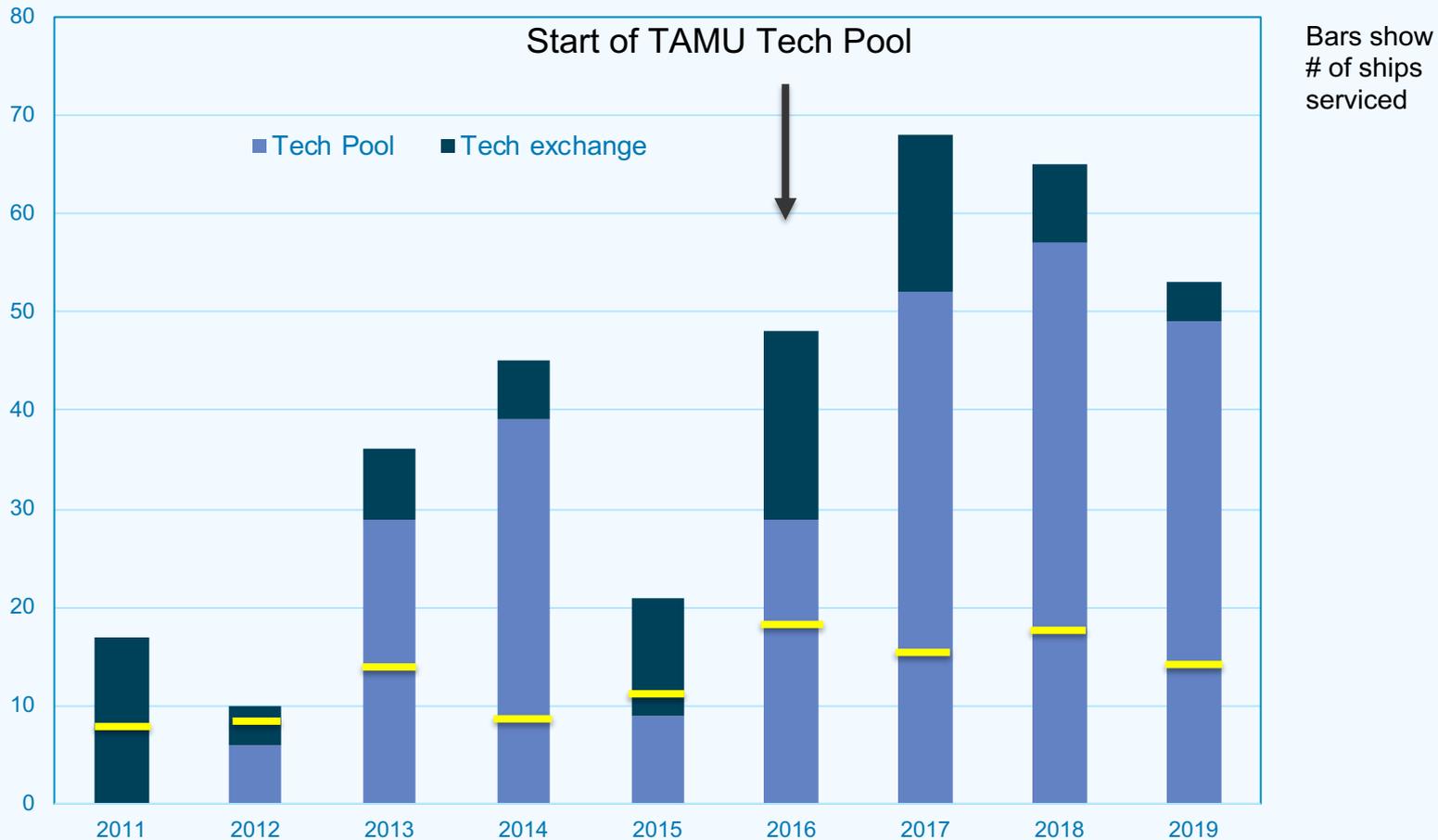


# UNOLS Cruise Planning Application

- An information sharing portal for
  - Scientists
  - Marine Technicians
  - Crew
  - Support Staff
- Coupled with the Ship Time Request System
- Developed in 2017
- 2019 – ENDEAVOR, OCEANUS, KILO MOANA
- Actively maintained at URI/GSO by Erich Gruebal



# Tech Pool Update: Cruises supported 2012-2019





# Pre-cruise Considerations for Successful Dredging Operations

## What's the problem?

- Disconnect on what are safe dredging operations
- Disconnect on what equipment can/should be used
- Lack of detailed enough planning





# Discussion group

1. NSF Representatives
2. Tech managers
3. Experienced and New PIs
4. Equipment providers/managers (some overlap with tech managers)

## Goal

Create a list of considerations to cover in the pre-cruise planning process that will ensure operators, technicians and PIs are on the same page in regards to operation and expectations before getting underway



# UNOLS Outreach



- 2 Chi Sci Training Workshops
  - RV KILO MOANA/UH
  - RV BLUE HERON/UMinn
- Annual DeSSC New User Program
- STEMSEAS program
- MATE Internship Program
- UNOLS Cruise Opportunity Program
- Participate in RV SALLY RIDE AGU Open House
- 2020 Ocean Sciences Meeting Booth



# UNOLS Office & Social Media



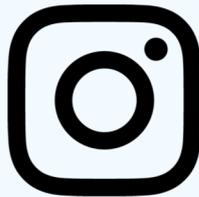
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We want to hear what's new with you!



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