



University-National Oceanographic Laboratory System ~UNOLS~

UNOLS SCOAR Meeting
NASA Ames – Moffett Airfield
August 22-23, 2018





UNOLS Report to SCOAR

- UNOLS Office Transition
- UNOLS Goals
- Civility at Sea
- Outreach and Early Career Activities
- Post Cruise Assessment Reports
- Upcoming Workshops



UNOLS Office Recompetition

2018	
March 16	Proposals due (to UNOLS Chair or UNOLS Office)
April 1 – July 1	Evaluation of Proposals
July 15	Evaluation Committee recommendation to UNOLS Council
Late July	Notify Agencies of Evaluation Committee recommendation
August 1	Recommendation circulated to UNOLS membership for concurrence
August 15	Notify Institution selected as the UNOLS recommendation University of Washington selected as the next Office with Doug Russell as UNOLS Ex. SEcretary
October 15	Recommended Host Institution submits proposal to NSF and other Funding Agencies
May 1, 2019	UNOLS Office established at new host institution



2017/2018 UNOLS Goals

- Improve quality of life and morale at sea (food, exercise, internet)
- Ensure a smooth transition for the new UNOLS Office, including analysis of existing structure and suggestions for future changes.



Video Project: Shipboard Civility

- Collaborative effort between NSF, ONR, NOAA, and UNOLS
- Will be composed of three modules
 - Module 1 (~ 10 minutes) – *Shipboard Civility: Fostering a Respectful Work Environment*
 - NOAA is supporting production, produced by Maritime Training Services Applicable to all Research Vessels
 - Explains appropriate, respectful behavior and provides Scenarios as animations
 - Module 2 (10-12 minutes) – Fleet-Specific Video
 - Issues/information/practices that apply to all UNOLS ships
 - MTS is under contract to produce the videos.
 - We will own the videos and they can be shared openly (e.g., YouTube)
 - Module 3 – Ship specific information regarding policies and reporting. In the form of posters or PPTs



UNOLS video – draft scenarios

MERAS committee- Maintaining an Environment of Respect Aboard Ships

- **Discrimination-** Assuming someone’s knowledge or ability based on how they look (Beginning of cruise/ Loading ship)
- **Cornered/ trapped/ stalked** (shipboard laboratory scene)
- **Bullying** (on deck)
- **Unwanted sexual advance / harassment** (off-ship at end-of-cruise party: an abrupt change in environment and perceived relationship)



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UNOLS Outreach and Early Career Investigator Initiatives

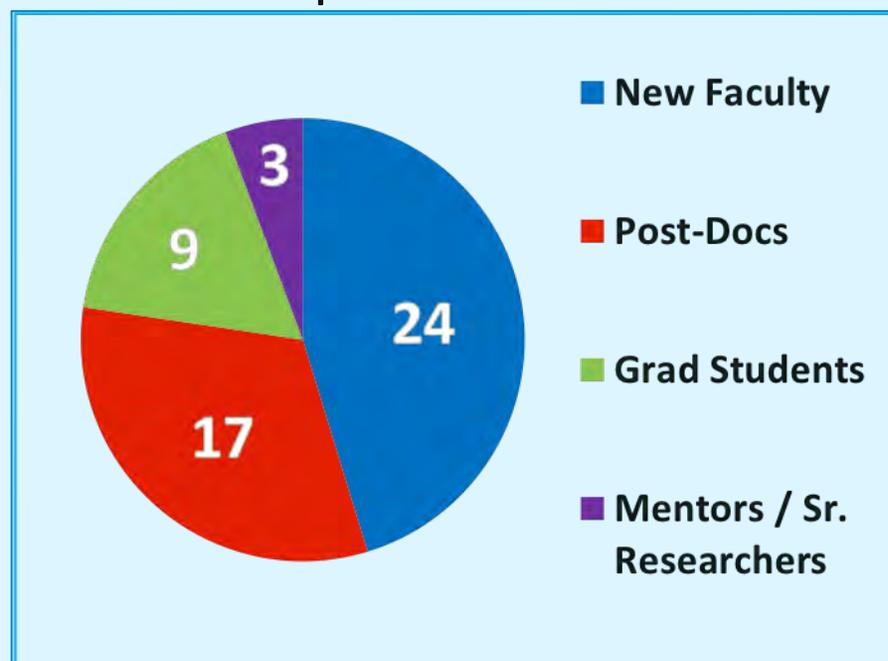




2018: Chief Scientist Training Workshop R/V Atlantis with Alvin/Sentry, Dec 3-21 East Pacific Rise: 9N

Berths available: 10
Applications received: 53
Institutions: 44
Disciplines: 5
Microbiology, (Macro)biology,
Chemistry, Geology,
Physics/Engineering

Participant Career Level



Cruise funded by the NSF (OCE #1834797)

Organized by: Dr. Daniel Fornari (WHOI), Dr. Patricia Gregg (U. Illinois Urbana-Champaign), Dr. Dorsey Wanless (Boise State), and Dr. Michael Perfit (U. Florida)



Chief Scientist Training Workshops Statistics

Tracking the Participants:

- 215 Participants in CSTW over 7 years (2011 – 2017)
- 50 Participants submitted a total of 280 STRS Requests (114 as PI, 166 as Co-PI)*
- 68 Requests funded = ~24% (18 as PIs and 50 as CoPIs)

Papers featuring data collected on Chief Scientist Cruises have been published in *PNAS*, *Deep-Sea Research Part II*, and other journals

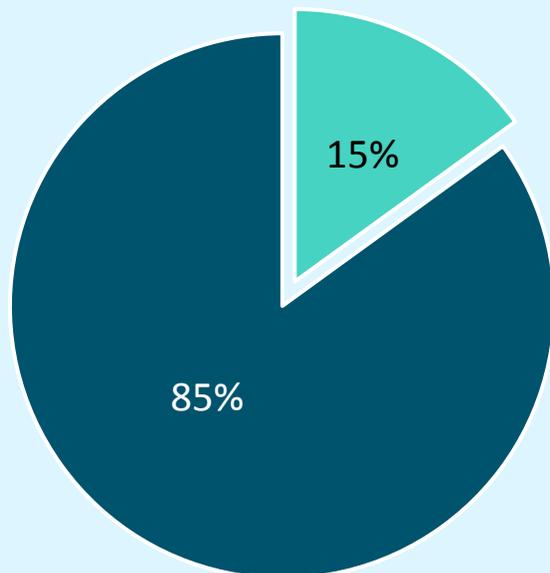
* Statistics based on STRs submitted after participation in training workshop



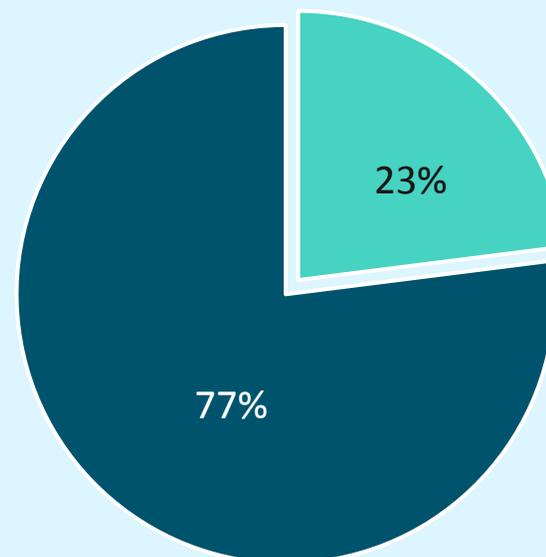


STR Submission Rate by CSW Participants

Percentage of people who submitted STRs **before** taking part in an CSW



Percentage of people who submitted STRs **after** taking part in an CSW



Submitted

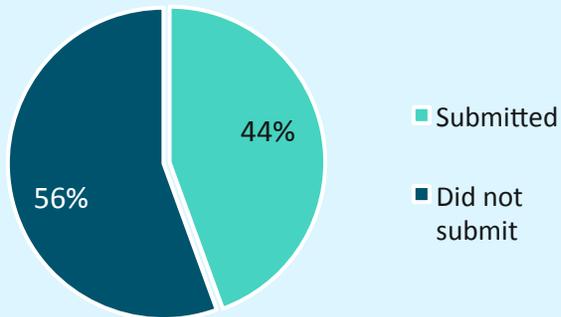
Did Not Submit

Thanks to Hannah Dallas, Caitlin Mandel, & Morgan Haldemon for the data!

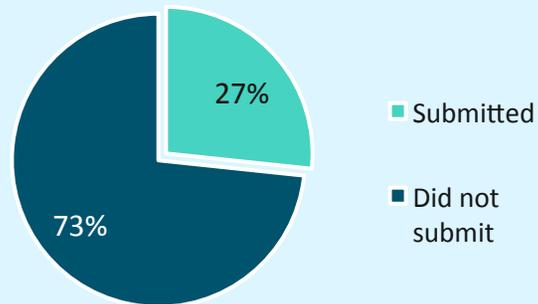


Percentage of CSW Participants that Submitted STRs Post Cruise

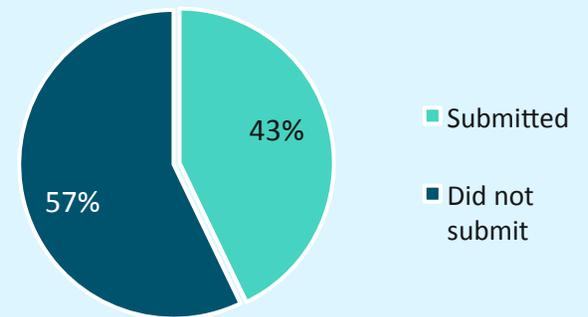
% 2011 participants



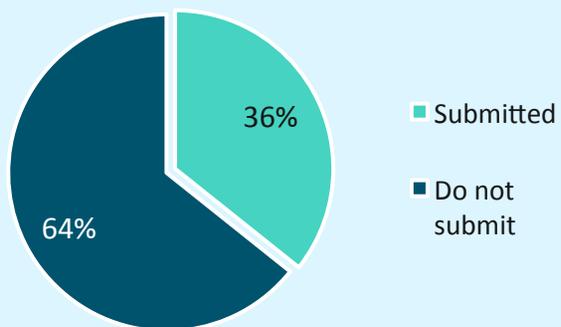
% 2012 participants



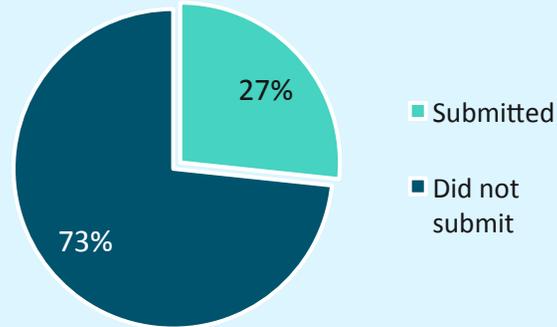
% 2013 participants



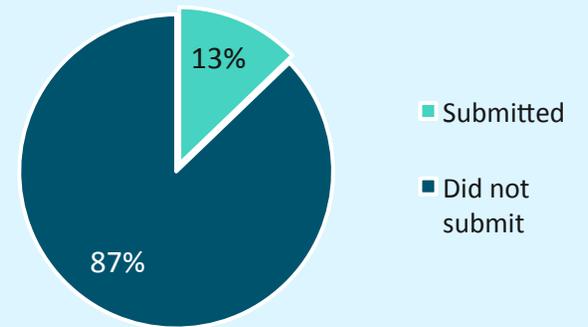
% 2014 participants



% 2015 participants



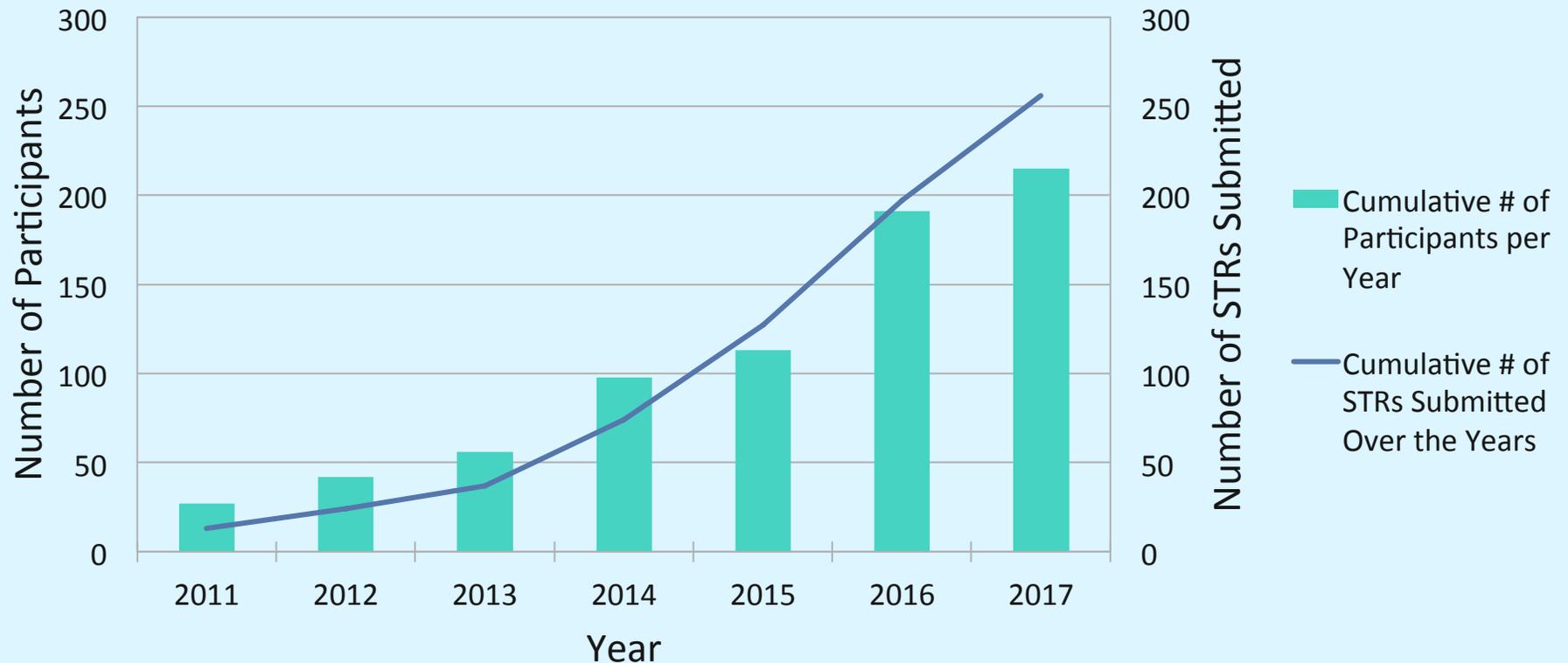
% 2016 participants





Cumulative Number of Participants and STR Submissions

Cumulative # of participants and STR submissions following years after the CSW





Social Media Engagement, May 7 – June 5, 2018

Twitter:

- 28 day total impressions (tweet views): 18,194 people (+42.9%)



Facebook:

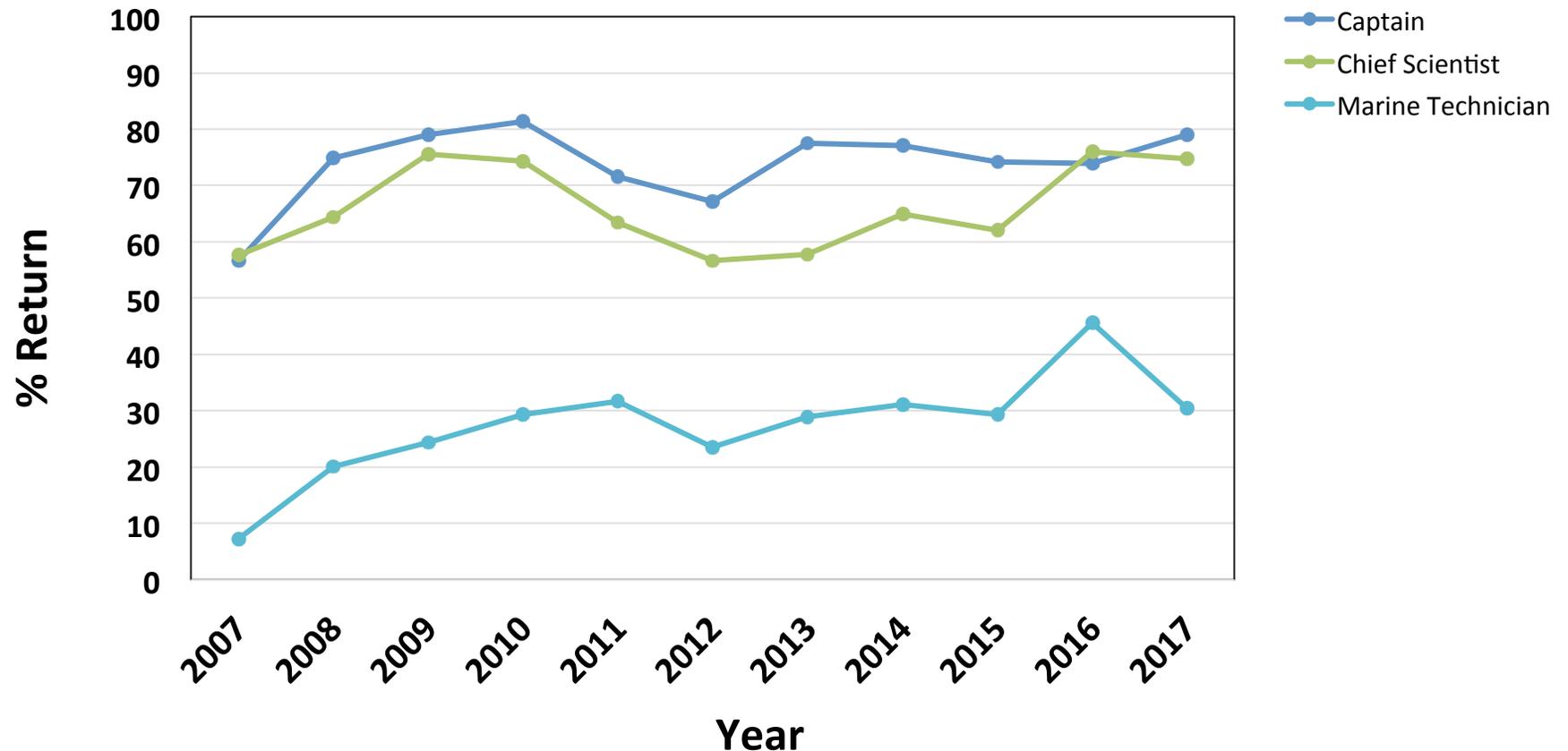
- 20 new followers (82% increase in likes)
- 28 day organic reach (post views): 20,666 people





Post Cruise Assessment Reports

Fleetwide Percent Return for Post Cruise Assessments 2007-2017



- PCAR Subcommittee has evaluated services that could be provided by a commercial vendor
- Can be integrated with the STRS to prefill relevant fields

Cruise Information

Ship	<input type="text"/>
Cruise Number	<input type="text"/>
Area of Operations	<input type="text"/>
Chief Scientist	<input type="text"/>
Cruise Date	<input type="text"/>

- Can be filled out on your computer, tablet, or phone

To what extent were the planned science objectives of this cruise met?

91-100%

81-90%

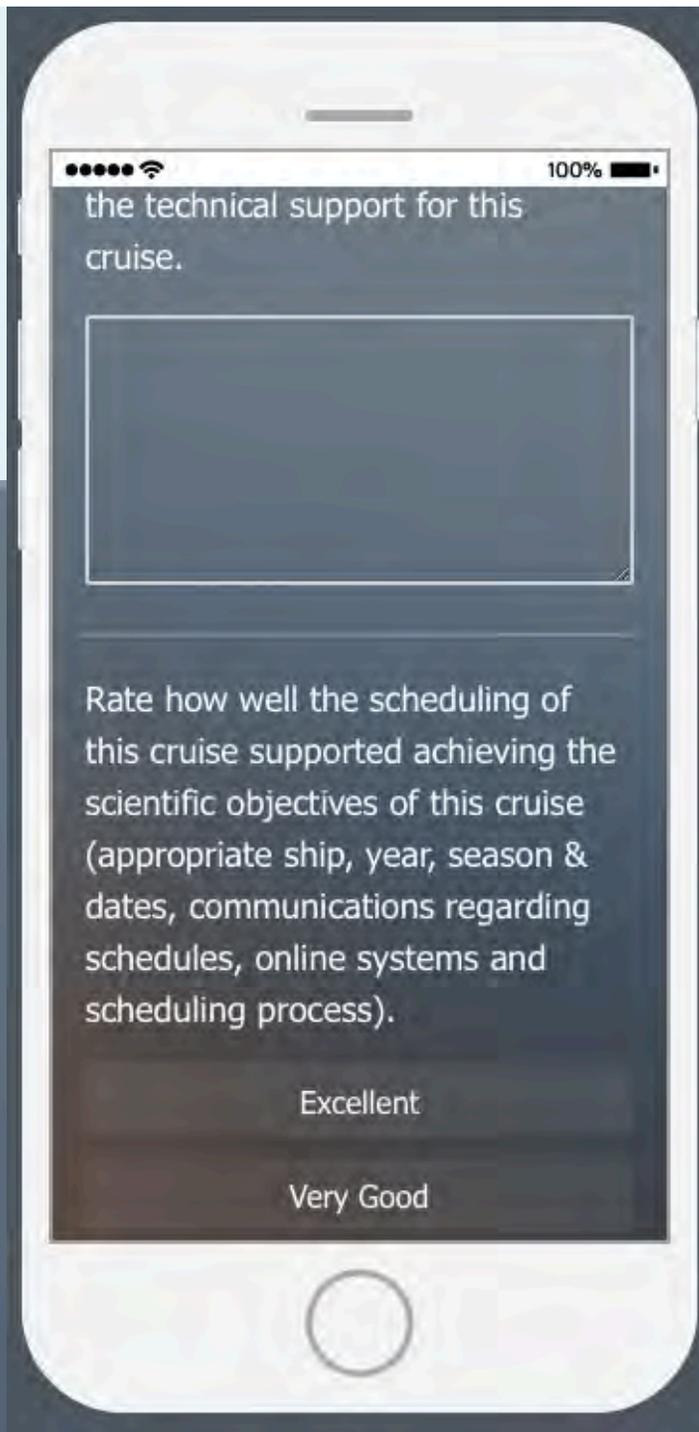
71-80%

61-70%

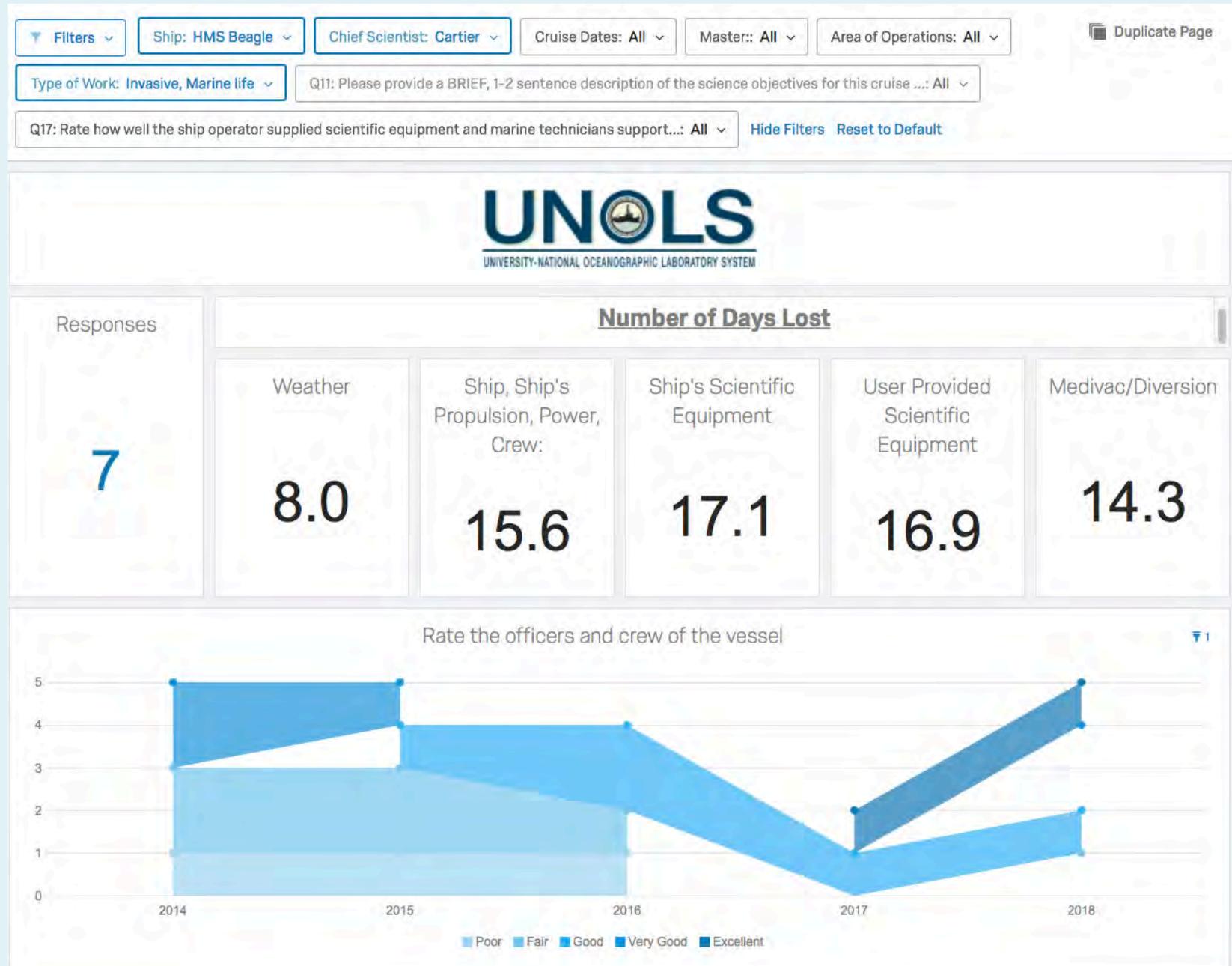
60% or
Below

N/A

Please provide a BRIEF, 1-2 sentence description of the science objectives for this cruise (ie. CTD casts, survey transects, mooring deployment, etc.). Please specify how the service and support of the ship contributed to the factors that affected the completion of the science objectives, especially if not all of the objectives were met (ie. weather, equipment failure, etc.).



- Returns data in filterable, searchable texts, graphs, and tables





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2018 Workshops and Symposiums





<https://www.unols.org/event/meeting/green-boats-and-ports-iv>

- | Organization | Topics |
|---------------------|---|
| • Green Marine | Third-Party Certification |
| • NOAA | Human side of environmental management |
| • Wylie Charters | Sail Assist Research Vessels |
| • ASV Global Green | Advantages of Autonomous Vessels |
| • Panolin | Environmentally Acceptable Lubricants |
| • Navis | Energy Mgt Solutions Clean Power, Quality, Energy management |
| • Jasco | Applied Sciences URN Measurement and Monitoring for Ports & Harbors |
| • SIO | Zero-V: A Hydrogen Fueled Research Vessel |
| • MBARI | <i>Re-Powering the R/V Rachel Carson</i> |
| • USCG | USCG Pollution Prevention Programs |
| • ARUP | Greening Initiatives |



INMARTECH Symposium - 2018



Registration is open!

Date: INMARTECH 2018 - October 16-18

- Tuesday, Wednesday, Thursday
- Friday (10/19) – training and tours of local facilities.
- RVTEC (10/15) – One day U.S. meeting

Venue: Woods Hole Oceanographic Institution (WHOI) and Sea Crest Beach Hotel: <http://www.seacrestbeachhotel.com>

- Plenary sessions and meals at the Sea Crest Beach Hotel.
- Breakout Sessions, tours, exhibits at WHOI



Thank you!