



National Science Foundation Update to National Association of Marine Laboratories

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Division Director, NSF/OCE

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New composition and structure of the Division of Ocean Sciences

- **Old:** Three **sections** led by Section Heads, Integrated Programs Section (IPS), Oceans Section (OS), and Marine Geosciences Section (MGS)
- **New:** Administrative model of Division Director and Deputy Division Director that is more in-line with the Foundation.
- Science Programs:
 - Biological Oceanography
 - Physical Oceanography
 - Chemical Oceanography
 - Marine Geology & Geophysics
- Integrated Programs:
 - Ship Operations
 - Facilities & Equipment Support
 - Postdoctoral Fellowships
 - Cyberinfrastructure & Security
 - OTIC (Ocean Technology)
 - NDSF (Deep Submergence)
 - IODP (Ocean Drilling)
 - RCRV (Vessel construction)
 - OOI (Ocean Observatories)



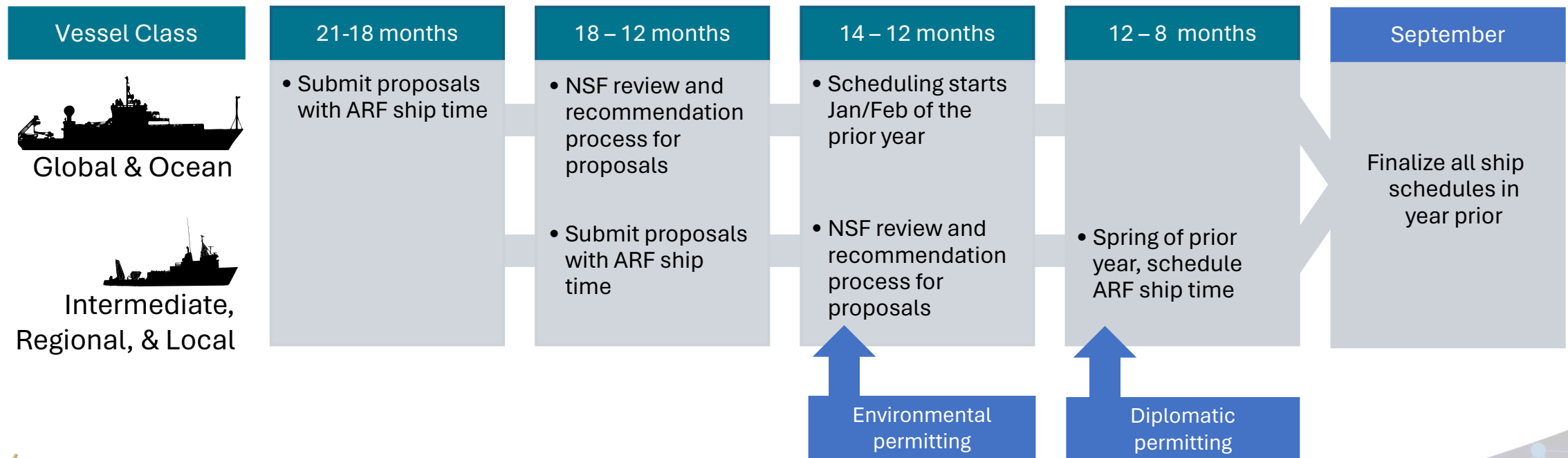
Regional Class Research Vessels (RCRV)

- Delivery: **July 2025 *R/V Taani*, January 2026 *R/V Narragansett Dawn*, June 2026 *R/V Gilbert R. Mason***
- Duration minimum of 24 days
- Dynamic positioning and multibeam capabilities
- 13 crew and 16 science berths
- 199' long with much larger deck space than the ships they are replacing



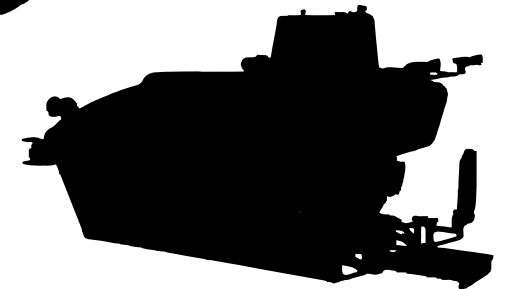
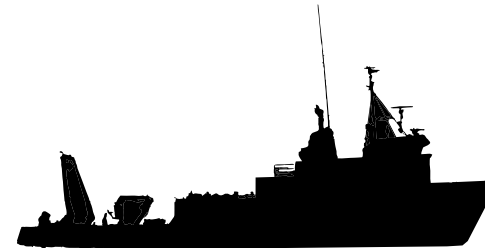
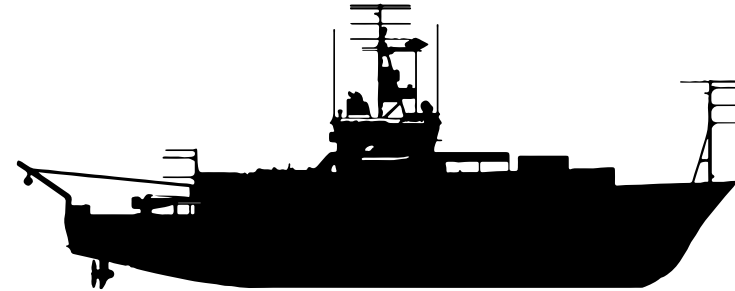
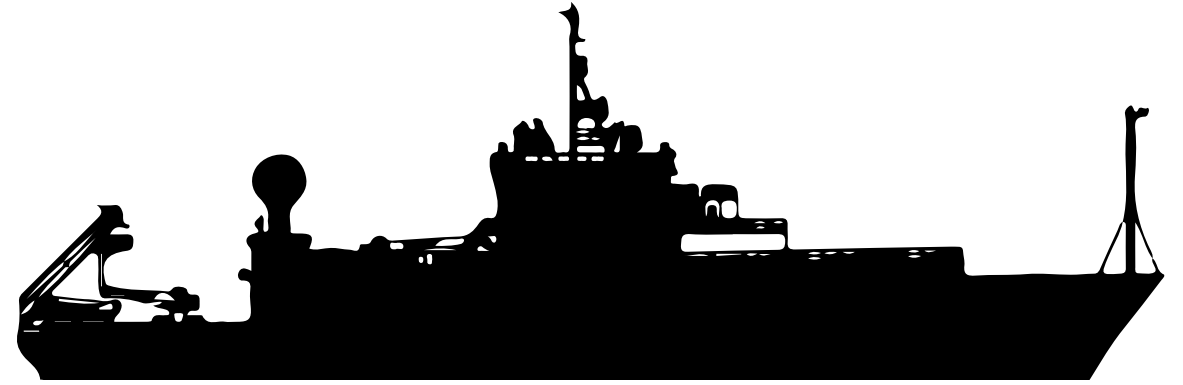
U.S. ARF Scheduling Timeline for NSF Proposals

- Keeping in mind that we have OCE programs with and without target dates, **please allow up to 21 months following proposal submission for ship time requests**



Fleet Challenges & Opportunities

- Cybersecurity/cyberinfrastructure
- Heavy use of NDSF assets and their impact to scheduling
- Equipment availability
- Fewer available bunks
- Underutilization of local/regional class vessels versus heavy pressure on larger ships.
- Opportunities for greening of the fleet by 2050 with targets by 2030



Safe and Inclusive Fieldwork (SAIF)

- **All** proposals submitted to the NSF with off-campus or off-site research (as of 30 January 2023) must certify that the organization has a project-specific plan in place for safe and inclusive research.
- Several NSF solicitations issued by the Directorates for Biological Sciences and Geosciences (BIO/GEO) are included **in a pilot that will require submission of a SAIF Plan for consideration as part of the merit review process** *in lieu* of the organizational plan specified in the PAPPG.
- The SAIF Plan is a project-specific 2-page Supplementary Document that will be considered under the Broader Impacts review criterion for any proposal with off-campus or off-site research submitted to a solicitation participating in the BIO/GEO pilot.



Setting future priorities in the Ocean Sciences

- The Decadal Survey **needs your input** by March 15
- DCL's vs. Solicitations
- Early career training cruises

DEADLINE: MARCH 15, 2023

DSOS Virtual Town Hall - Input Submission

The National Academies' Decadal Survey of Ocean Sciences (DSOS) committee seeks your input on research and infrastructure needs to advance the understanding of the ocean's role in the broader Earth. To provide feedback on this project, please complete this survey by March 15, 2024.

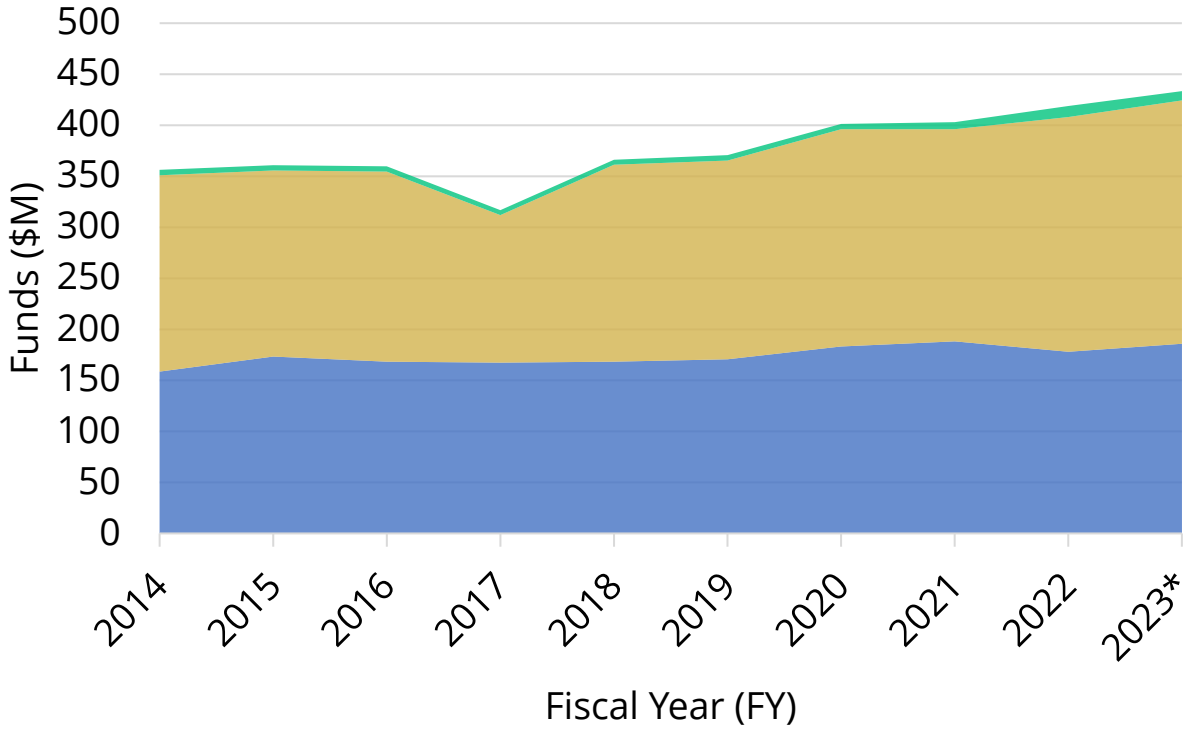
PROVIDE INPUT



Budget

OCE Appropriations, FY 2014 - 2023

■ Research ■ Infrastructure ■ Education



- During first 4 years following last decadal survey, **major** facilities averaged ~46% of OCE’s total budget
- During the subsequent 5 years that number averaged ~50%.
- Stay on the look-out for opportunities for cross-directorate and cross agency opportunities, including with the TIP directorate.

Source: NSF Annual Budget Requests to Congress

*Estimated values from FY 2024 Budget Request



GEO & Agency Priorities: Build a Resilient Planet

- A DCL of DCLs:
 - Extreme, Compound, and Cascading Hazards
 - Novel Approaches to Critical Minerals Research in the Geosciences
 - Catalyze Collaborations on Climate Change Impacts on Human Health
 - Geosciences and Human Health Intern Program
 - Technologies to Enable Observations in Remote-Extreme Environments
 - CO₂ Removal and Solar Radiation Modifications Strategies
 - GEO-EMBRACE: Empowering Broader Academic Capacity and Education



The U.S. Global Change Research Program
2022–2031 Strategic Plan



Consider joining NSF as a rotator!

- GEO Announces Open Positions for Program Directors
- IPA appointment type: two years with possible two-year extension
- Reach out to your Program Director with any questions
- See NSF/GEO Career page for job posting and details



