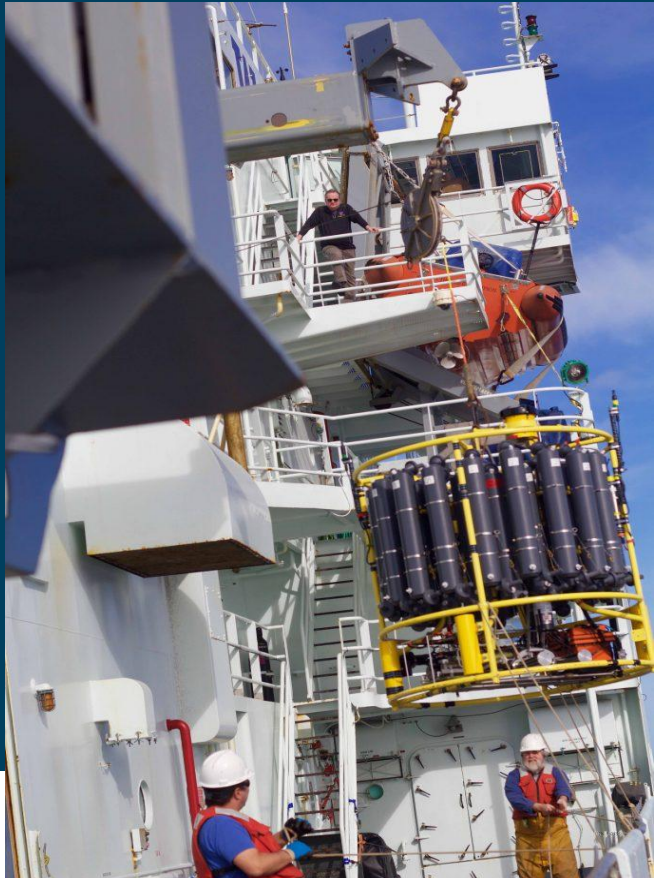


UNOLS Overview



Doug Russell
UNOLS Executive Secretary

What is UNOLS?



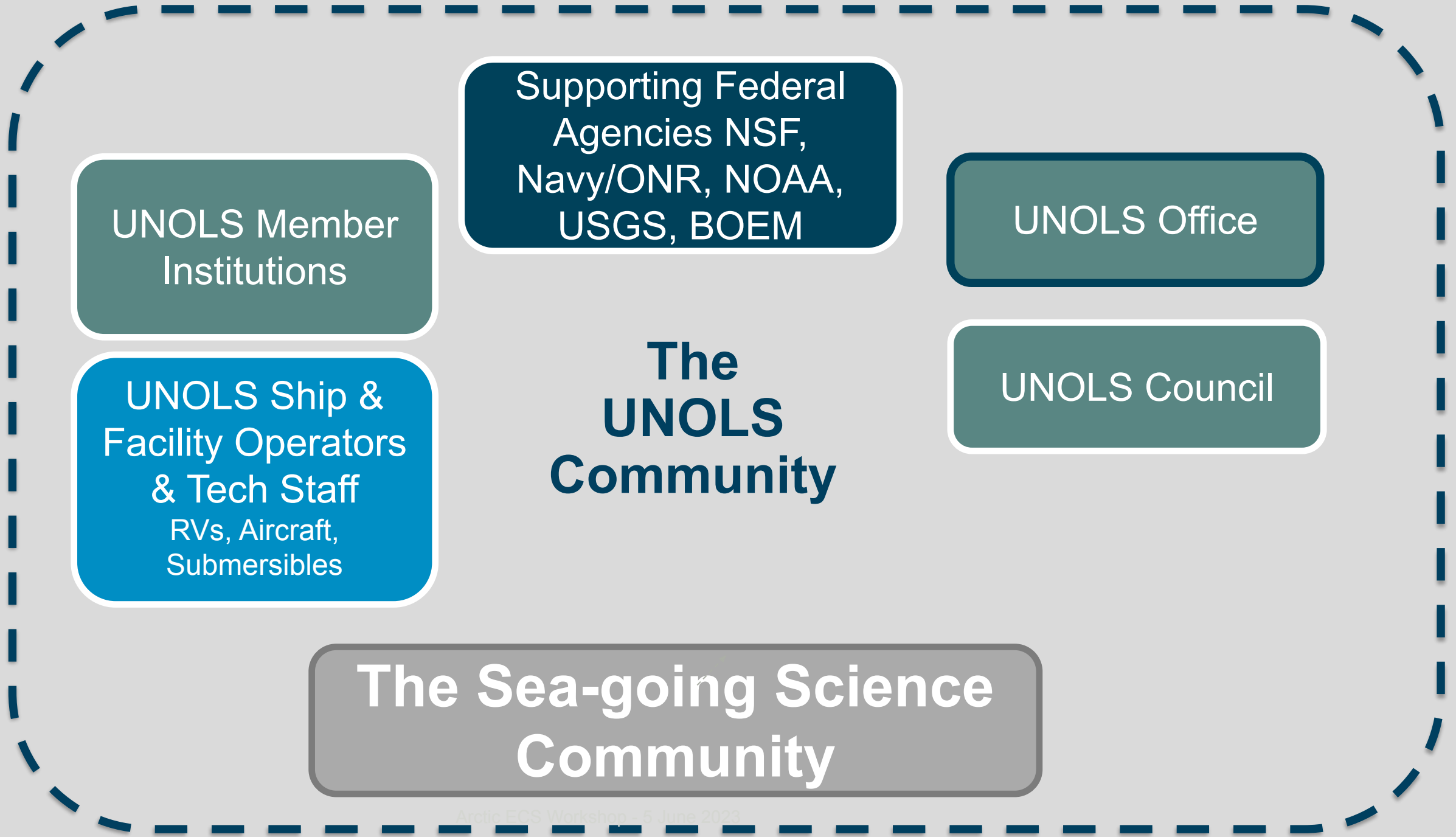
University-National Oceanographic Laboratory System (UNOLS)

- Established 1972
- Consortium of 58 research institutions
- Coordinates the US Academic Research Fleet (ARF) schedules and research facilities



<https://www.unols.org>

Arctic ECS Workshop - 5 June 2023



UNOLS Chair & Office

Hosted by the University of Washington
School of Oceanography



Dr. Deborah Bronk
Bigelow Laboratory
UNOLS Chair



Doug Russell
Exec Secretary



Alice Doyle
Deputy Exec Secretary



Jonathan Gutoff
Risk Manager



Meegan Corcoran
Crewing Support
Manager



Brandi Murphy
Technical Support
Manager



Bridget Harrell-Donze
Program Operations
Specialist

UNOLS Standing Committees

Report to UNOLS Council

Ship Scheduling Committee (SSC)

RV Operators' Committee (RVOC)

RV Technical Enhancement
Committee (RVTEC)

Fleet Improvement Committee (FIC)

Arctic Icebreaker Coordinating
Committee (AICC)

Deep Submergence Science
Committee (DESSC)

Scientific Comm. for Oceanographic
Aircraft Research (SCOAR)

Marine Seismic Research
Oversight Committee (MSROC)

Maintaining an Environment of
Respect at Sea (MERAS) Committee

Safety Committee

U.S. Coast Guard Polar
Icebreakers (Healy, Polar Star)

Nat'l Deep Submergence
Facility – Alvin, Jason,
Sentry (WHOI)

Naval Postgraduate School
(NPS) Twin Otter

Ocean Bottom Seismometer
Instrument Center -
Operations Sub-Committee

Academic Research Fleet

- 17 oceanographic vessels
- Size range Global class to Coastal/Local class
- Vessels owned by NSF, the Office of Naval Research (ONR), and U.S. universities and laboratories
- Operated by 14 different institutions
- UNOLS coordinates access to ARF vessels and vehicles
- Adhere to the UNOLS Research Vessel Safety Standards (see: <https://www.unols.org/document/research-vessel-safety-standards-rvss>)

Global Class Vessels



R/V Atlantis / WHOI



R/V Thomas G. Thompson /
UW



R/V Sikuliaq / UAF



R/V Roger Revelle / SIO



R/V Marcus G. Langseth /
LDEO

Ocean/ Intermediate Class Vessels



R/V Atlantic Explorer /
BIOS



R/V Kilo Moana / UH



R/V Endeavor / URI



R/V Neil Armstrong / WHOI



R/V Sally Ride / SIO

Regional Class Vessels



R/V Hugh R. Sharp / University of Delaware



The RCRVs (in progress)

R/V Taani/ Oregon State University

R/V Narragansett Dawn / East Coast Oceanographic Consortium

R/V Gilbert R. Mason / Gulf-Caribbean Oceanographic Consortium

Coastal/ Local Class Vessels



R/V Pelican / LUMCON



R/V R.G. Sproul / SIO



R/V Savannah / Skidaway
Institute of Oceanography



R/V Rachel Carson / UW



R/V Blue Heron /
University of MN, Duluth

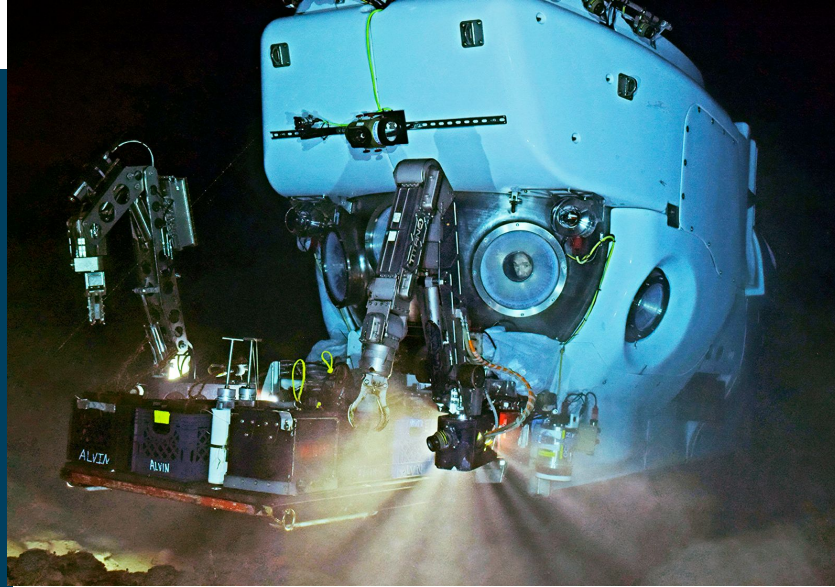


R/V F.G. Walton Smith /
University of Miami

Pooled Equipment & Technical Support

- NSF/UNOLS Laboratory Van Pools
- NSF/UNOLS Winch Pools
- NSF/UNOLS Wire Pool
- UNOLS Technician Pool
- Ocean Bottom Seismic Instrument Center (OBSIC)
- OSU Marine Sediment Sampling Group (MARSSAM)
- WHOI Mooring Facilities & Services
- Multidisciplinary Instrumentation in Support of Oceanography (MISO) and Potential Fields Pool Equipment (PFPE)

National Deep Submergence Facility (NDSF)



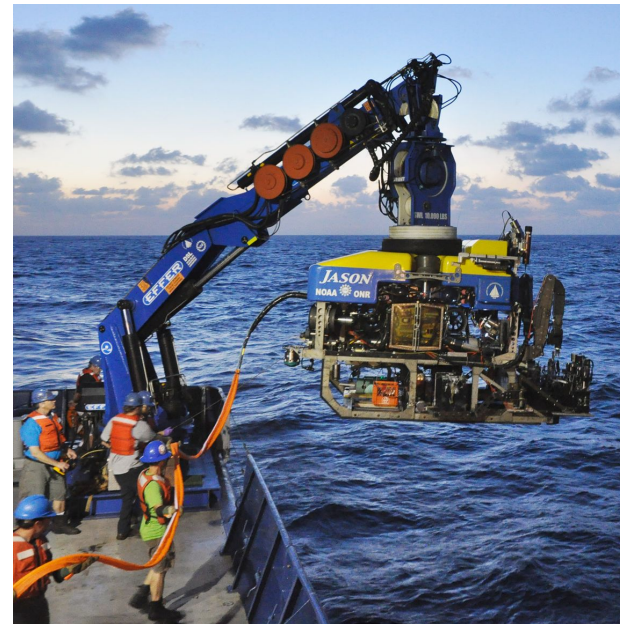
HOV Alvin

Operated by Woods
Hole Oceanographic
Institution (WHOI)

<https://ndsf.who.edu/>



AUV Sentry




ROV Jason

Instrumentation & Data Support

- Multibeam Advisory Committee (MAC)
- Ocean Data Facility (ODF)
- Operation SWAB - Enhanced Isotope Testing
- Rolling Deck to Repository Program (R2R) / Underway Data Support
- University of Hawaii Currents Group / ADCP Support
- UNOLS Satellite Network Advisory Group (SatNAG)

Early Career Opportunities

HOME / NODE / JOB / EARLY CAREER PROGRAMS



The 2013 Chief Scientist Training Cruise Aboard the R/V Endeavor

FEATURED INFORMATION

Our Early Career Programs aim to nurture the next generation of sea going scientists.

Jobs & Early Career

- Early Career Programs
- Job Opportunities
- UNOLS Cruise Volunteer Program
- Apply to the Fleet

UNOLS coordinates and hosts several Early Career Scientist Programs each year, on both land and sea!

If you'd like to be notified of upcoming Early Career Opportunities, [sign up for our Early Career Listserv!](#)


Our Early Career Programs include:

- NSF-UNOLS Chief Scientist Training Cruises**
 - The Chief Scientist Training Cruise program instructs early career marine scientists, including PhD students, on how to effectively plan for, acquire, and utilize time at sea for multi-disciplinary research and education.
- UNOLS Cruise Opportunity Program**
 - The primary goal of the UNOLS Cruise Opportunity Program is to provide graduate students currently completing a degree in a field of oceanographic research with the opportunity to participate in a research cruise. The participant will be a member of the scientific party and be involved in data collection and all other activities at sea.
- MATE Program**
 - At-Sea Technical Internship Program. Interns work as marine technicians aboard sea-going research vessels that are part of U.S. Academic Research Fleet and the United States Coast Guard.
- STEMSEAS Program**
 - The STEMSEAS project is an NSF-funded initiative aimed at addressing these issues, coordinated by the **U.S. Science Support Program**. STEMSEAS takes advantage of unused berthing capacity available during transits between expeditions on the federally funded research vessel network, the University National Oceanographic Laboratory System (UNOLS). These short (~5-12 day) transits offer a mobile classroom setting where undergraduate non-STEM, undecided-STEM, and geoscience majors can be exposed to geoscience professional practice and career exploration. [Click here](#) to learn more!
- DESSC Early Career Activities**
 - Learn about the capabilities of the National Deep Submergence Facility assets (including HOV Alvin!) and how to request use of these vehicles. Meet with senior scientists and hear about emerging technologies in the exciting field of deep sea research.
 - The DESSC Ocean Policy Interest Group hosts webinars with international leaders in the field of marine science, conservation, and policy. Past presenters have included Dr. Sylvia Earle and professor Craig Allen, Director of the University of Washington Arctic Law and Policy Institute.

UNOLS UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

Home Contact Email Signup Search

ABOUT SHIPS/FACILITIES SCHEDULES COMMITTEES MEETINGS FORMS & DOCUMENTS **JOBS & EARLY CAREER**



HOV ALVIN REACHES 6,453M BELOW SEA-LEVEL!
READ MORE ABOUT THE DIVE AND THE SCIENCE SEA TRIALS HERE.

UPCOMING EVENTS

- 2023 AICC Summer Meeting**
07/19/2023 Alexandria, VA...
- 2023 RVTEC Meeting**
10/23/2023 Aia Moana Hotel...
- 2023 Annual and Fall Council Meetings**
11/15/2023 Arizona State...
- 2024 AICC Winter Meeting**
01/19/2024 USCG Base...

[VIEW EVENTS CALENDAR](#)

Welcome to UNOLS

University-National Oceanographic Laboratory System (UNOLS) is an organization of 59 academic institutions and National Laboratories involved in oceanographic research and joined for the purpose of coordinating oceanographic ships' schedules and research facilities.

Arctic ECS Workshop - 5 June 2023

UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

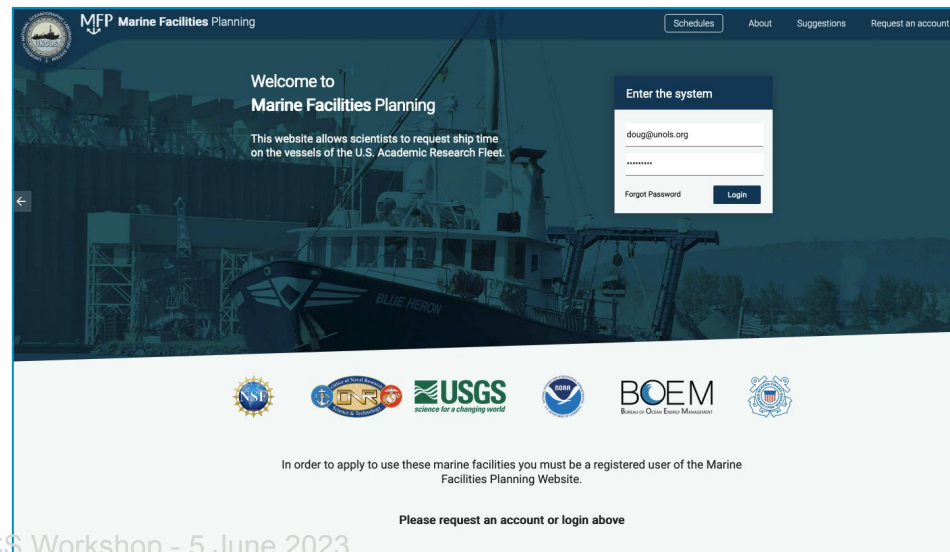
Ship Scheduling Process

<https://mfp.us>

- Starts with Shiptime & Marine Equipment (SME) requests
- Ship Scheduling Committee works to develop ship schedules with funded projects
- Process starts early in the Calendar Year for the following year (i.e. Feb 2023 for 2024 scheduling)
- Regular scheduler meetings / reviews
- Schedules generally start to firm up in the summer
- Notify Pis for early in year cruises so clearance requests can be prepared
- Publish schedules in September for the next year
- Key points:
 - Communications with ship schedulers
 - Prioritization (deferred projects, time series, multiple cruise projects, major integrated projects (OOI, GO-SHIP, GEOTRACES))
 - Submit requests at least 18 months in advance of desired time for Global and Ocean class ships

Marine Facilities Planning

- <https://mfp.us>
- Multi-Module system for requesting ship time, scheduling, cruise planning, personnel and inventory management.
- Developed in the Netherlands for NIOZ and NERC
- Now used by ~11 other countries + more
- Integrated ship time/marine equipment requests, ship schedules, cruise planning, inventory management, personnel management, & reporting
- Coming: "supply agreements" or "contracts" for cruises



- Schedule
- Research Planning
- Inventory Management
- Mooring Application
- Personnel Capabilities
- Personnel Planning
- Schedule Construction
- Project Management
- Reporting
- Scientist Portal
- User Management

Where do you go to get help with MFP?

The screenshot shows the UNOLS website interface. At the top left is the UNOLS logo with the text "UNIVERSITY-NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM". To the right of the logo is a navigation bar with links: "ABOUT", "SHIPS/FACILITIES", "SCHEDULES", "COMMITTEES", "MEETINGS", "FORMS & DOCUMENTS", and "JOBS & EARLY CAREER". The "SCHEDULES" link is circled in red. A dropdown menu is open under "SCHEDULES", listing four options: "CURRENT SCHEDULES - MARINE FACILITIES PLANNING (MFP)", "MARINE FACILITIES PLANNING (MFP) USER GUIDE", "HISTORIC SHIP SCHEDULES", and "CRUISE PLANNING INFORMATION". The "MARINE FACILITIES PLANNING (MFP) USER GUIDE" option is also circled in red. Below the navigation bar is a large banner with the text "UNOLS COVID-19 UPDATE AND CONSIDERATIONS" and a link "CLICK HERE FOR MORE INFORMATION". To the right of the banner is a "COMING EVENTS" section listing several meetings: "2024 AICC Summer Meeting", "2024 AICC Winter Meeting", and "2024 DeSSC New User Program". At the bottom of the page is a "Welcome to UNOLS" section with a brief description of the organization.

MFP User Guides



Schedules

Current Schedules - Marine Facilities Planning (MFP)

▶ Marine Facilities Planning (MFP) User Guide

Historic Ship Schedules

Cruise Planning Information

View Edit Delete Revisions

Marine Facilities Planning (MFP)

Marine Facilities Planning is the new system designed to replace the old Ship Time Request System (STRS). This website allows scientists to request ship time on the vessels of the U.S. Academic Research Fleet and then update their funding. Eventually the fleet's cruise planning will also be accomplished through this portal.

Please click on the links below to learn more about each topic. You can find the MFP website here: <https://www.mfp.us>

Navigating MFP

- MFP Home page ([mfp.us](https://www.mfp.us))
- Navigating the system

Viewing Schedules

- Timeline View
- Map View
- Hybrid View

The Science Portal

- The Science Portal Screen
- Finding Scheduled or declined SMEs

Submitting requests for ship time

- The Ship-time and Marine Equipment (SME) form
- Project Information tab
- Editing Sampling Stations in the SME
- To Save or to Submit your SME?
- Editing an SME
- Canceling an SME

Updating/Confirming Funding Status

Adding Cruise Participants

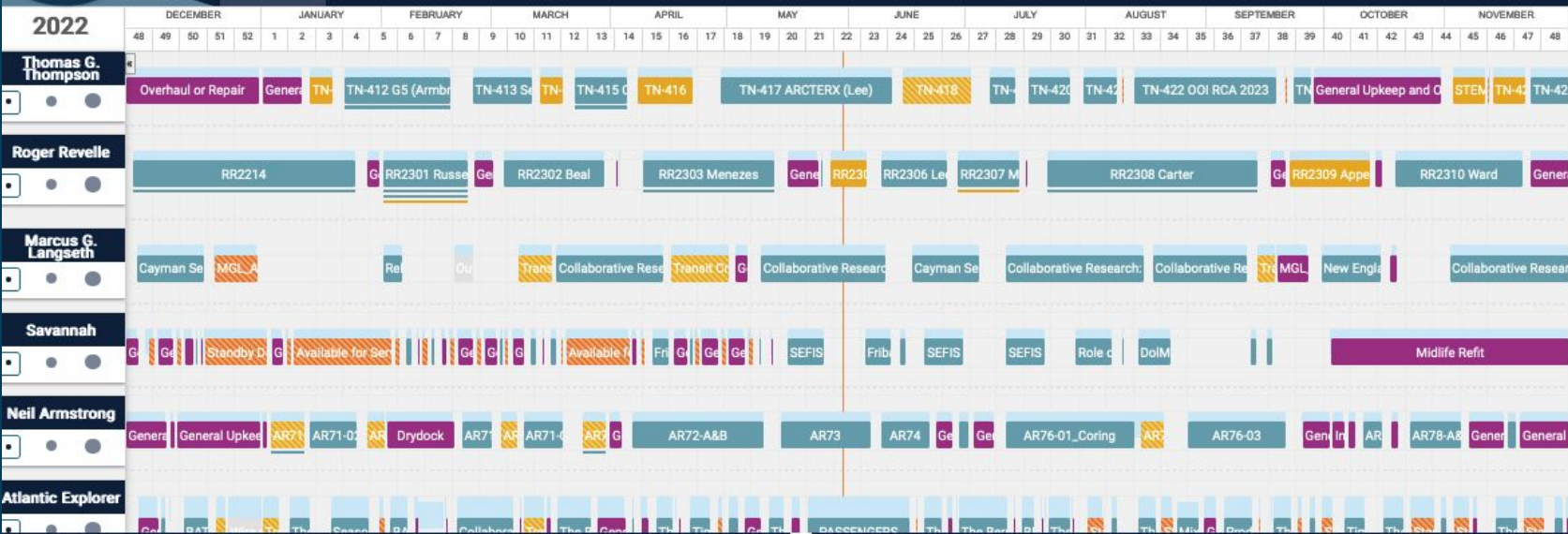
- Multi-Leg cruise

Planning Your Cruise Track

- The Research Planner Module
- Saving your cruise plan
- Recalling your cruise plan

The Cruise Planning Module

Downloading XLS Version of a Vessel's Schedule



Legend

- At Sea for Science
- Barter
- Charter
- Passage
- Standby Days
- Available for Service
- General Upkeep and Outfitting
- Inspection
- Out of Service
- Outreach
- Overhaul or Repair
- Transit Cruise

Cruise Filters

Equipment Usage

Funding Source

Grant or Project number

Current Cruises

- Transit Cruise
- The Bermuda Atlantic Time-series Study: Sustained Biogeochemical, ...
- Hydrostation S - 2022
- Hydrostation S - 2022
- PASSENGERS



DEMO

- Schedule Module –
 - Click on a cruise
 - see the Cruise Planning info
 - Go to the workflow

If you have additional questions, please contact:

Doug Russell – doug@unols.org
Alice Doyle – alice@unols.org