



UNOLS Office <off

messages

UNOLS Office **office unols.org**
 Reply-to **unols news owners unols.org**
 To **unols news unols.org, unols representatives unols.org**

Fri, Oct , 2 25 at AM



UNOLS News

Extending uppodra tUeNsO LfS & thes echn dmiect R

October 0210u2n5e N-3 9,4

Community Updates

University of Washington
 Office of Naval/VR eAstel aarncthi's
 Featured in Recent News



University of Washington Oceanographic Institute (OI) and the Office of Naval Research recently highlighted infrastructure featured in the Ocean Observatories Initiative (OOI) National Oceanic and Atmospheric Administration (NOAA) Array.

During the summer field deployment of the OOI Research Vessel (R/V) *Albatross* off the coast of Oregon to monitor the Seamount—an active underwater volcano—and to replace critical sensors and instruments of the Regional Ecosystems Deployment (RED) time data on, the deployment activities assess potential signs of an imminent volcanic eruption.



R/V *Langseth* at the coast of the Galapagos.

Upcoming Events

[UNOLS 2025 RVTEC Meeting](#)
 3-7 November 2025
 Scripps Institution of Oceanography
 La Jolla, CA

[UNOLS 2025 OOI Meeting and Annual Meeting](#)
 12-13 November 2025
 National Oceanic and Atmospheric Administration
 Alexandria, VA

[UNOLS 2025 Fall MSROC Meeting](#)

13-14 December 2025
 Woods Hole Oceanographic Institution
 Woods Hole, MA

[UNOLS 2026 OOI Meeting](#)
 5-7 March 2026
 Woods Hole Oceanographic Institution
 Woods Hole, MA

[UNOLS 2026 RVOC Meeting](#)
 7-9 May 2026
 Woods Hole Oceanographic Institution
 Woods Hole, MA

[UNOLS 2026 RVOC Meeting](#)

7-9 May 2026
 Woods Hole Oceanographic Institution
 Woods Hole, MA

[UNOLS 2026 RVOC Meeting](#)

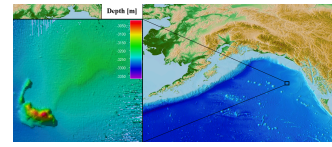
7-9 May 2026
 Woods Hole Oceanographic Institution
 Woods Hole, MA

[UNOLS 2026 RVOC Meeting](#)

In the report, they provide a guided tour of the R/V Albatross, showcasing its advanced scientific capabilities and sophisticated control room used to operate the vehicle (ROV).

👉 [\[atch the full video here\]](#).

👉 [\[earn more about the educational ability here\]](#).



Passing of Bob Knox

Robert Knox, a pioneer in oceanography and a visionary who helped steer the seagoing sciences into the 21st century, died at home in Del Mar, California, on September 22, 2025.

SPONSORS



Bob received his doctorate from the University of California, San Diego, in 1971. He joined Scripps Institution of Oceanography in 1971, where he studied circulation and dynamic sea level sensing to measure the ocean's response to climate change.

The long-time member of the American Meteorological Society and the American Society of Oceanographers, Knox was a pioneer in marine technical capabilities, serving as the director of the University of California, San Diego, from 1998 to 2000. He was a member of the 1980s ASOAS advisory committee for research vessels and the necessary world-class research infrastructure. His work in design and construction of oceanographic vessels, including the R/V Albatross, is well known.

A respected author, his book "Oceanography: A History" is a classic. He was a leader in his field, serving as president of the American Society of Oceanographers in 2008 and as a member of the National Academy of Sciences in 2009.

Bob was preceded by his wife, Mary, in 2015. He is survived by his wife, Mary, and his children, Jami and John Calvin, Linnea, Phoebe and F. He is also survived by his grandchildren, including his son, Roger, and his daughter, Rebecca.



h t re itcri s nstituti n cean gra h

MATE's 25th Anniversary



Happy 25th Anniversary!

UNOLS is proud to announce that the Marine Technical Internship Program has been coordinating internships aboard the Research Fleet (ARF) and its supporting facilities. Since its inception, the program has placed more than 300 at-sea and shore-based marine technical inter

These experiences have exposed participants to a range of cutting-edge marine technologies, ocean instruments, shipboard equipment, and field protocols. Interns post weekly updates about their unique experiences on the [UNOLS blog](#).

Overall, the program has been very successful. Interns define their career goals and develop technical, troubleshooting, critical thinking skills required to succeed in the marine work environment. After completing their internships, many participants offered positions as marine technicians, engineers, or working as fellows, as well as with other marine industries, ocean science and engineering organizations throughout the country. Many former interns about their career goals, employment and how their internships contributed to their career development. Below are results from 138 survey respondents after their internships:

| Table 1: Participant Tracking Results (n=138) | | | |
|---|---|---|---|
| Obtained work as Marine Technician or in closely related ship-based job | Obtained work on an ARF vessel or supporting facility | Continued studies and/or found work in Marine /Ocean Science/ Engineering Field | Continued studies and/or found work in STEM Field |
| 80 | 47 | 106 | 136 |
| 58% | 34% | 77% | 99% |

While the program primarily owes its success to support from the National Science Foundation and collaboration between UNOLS and the Center for Ocean and Earth System Science (COESS) (which the program originated) and the UNOLS program manager (since 2023), many others listed below have contributed to making this a participant-centered program that prepares the next generation of ocean technicians and engineers.

The program has developed relationships with advisors from colleges and universities throughout the country who play an important role in recruitment of these representatives run marine technical engineering programs at their educational institutions. They attend UNOLS meetings and meet with the internship program manager to learn about the Fleet, the internships, and to understand the program application procedures and qualifications for top candidates. They provide program information with their students, write recommendations, encourage their students to apply throughout the process. Many design courses for their students develop competitive skills and a potential placement in the internship program.

One of the most important components of this ongoing collaboration with the Marine Engineers, Scientists, and their teams, who are on board research vessels at-sea, in the shipyard-based laboratories and working professionals dedicate time reviewing applications, interviewing and selecting the top candidates, and participating in internship meetings to help interns prepare for. During the internships, they provide ongoing supervision and training, while at the same time managing their own demanding shipboard responsibilities. They serve as professional role models who go above and beyond to provide interns a positive learning experience, networking opportunities that will jump-start their career in the marine technical workforce.

One of the highlights of the program is the growing involvement by former interns as mentor professional career advisors. Many former interns, now working as marine professionals, contribute by promoting the program at various professional events, sharing their experiences on social media, as well as recruiting new applicants and the interns selected. They help new interns prepare for their journey when internships start and mentoring them during the process, offering professional career advice after the internship, and helping develop mentor training resources.

UNOLS is looking forward to creating new opportunities for interns and growing this incredible professional network. Applications for the 2026 program are being accepted. (pending funding approval) on form and instructions are available on the [UNOLS website](#) and we will announce them as soon as possible.

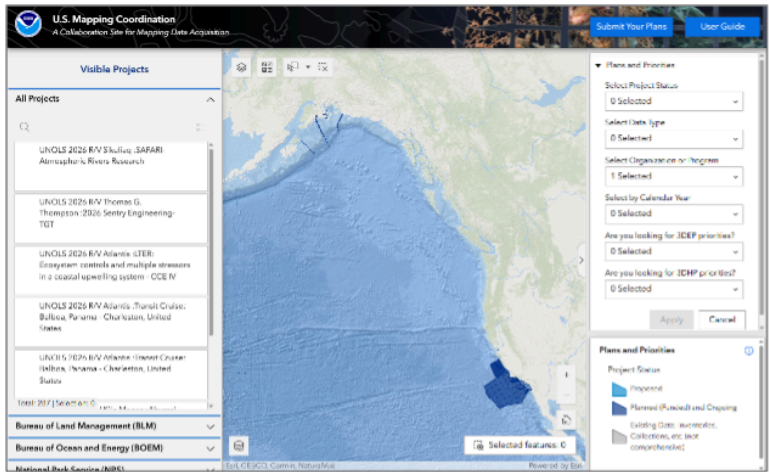


To assist with survey coordination, IOCM migrated [appin](#) [oor](#) [ination](#) [ite](#) from a third party to an in house tool at the beginning of 2025. footprints of prioritized, planned, and recently completed coastal data collection areas, as well as ref showing data that is available in public repo move, additional utility has also been built including increased ease of data access, data the ability for site users to add their own r the map. As partnerships continue to grow and strengthen between AWE and IOCM, the external stakeholders, IOCM is looking to further expa infrastructure to better support ocean and co coordination and for coastal lian osreartviiocne off the [ational](#) [trate](#) [y for](#) [appin](#) [plorin](#) [an](#) [haracteri](#) [in](#) the nite tate clu ive conomic one.

ThARF is uniquely positioned to bolster data efforts because of their geographically dispersed vessels equipped with world-class scientific equipment. UNOCM has begun working with UNOLS to build out a new function on the site that will integrate existing data (i.e., bathymetric, hydrographic, and spatial priorities).

The new function will include a map of the U.S. Mapping Coordination site) into a report that can assist project planners and principal investigators in finding data-poor areas in existing planned projects. The reporting feature will also assist in identifying potential project or funding collaborators with scheduled projects, and provide information on areas with white space in proximity to data-poor areas.

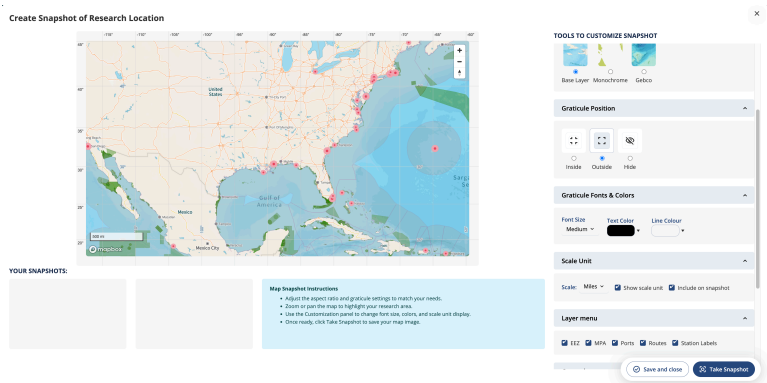
As a first step, the U.S. Mapping Coordination included current planning footprint for multibeam echosounders on the map where they can be viewed in conjunction with plans and priorities from federal and external partners. Development on the report is underway and expected to be available by February.



A screenshot of the U.S. Mapping Coordination site showing the current planning footprint for multibeam echosounders in

MF P Updates

the current mapping footprint

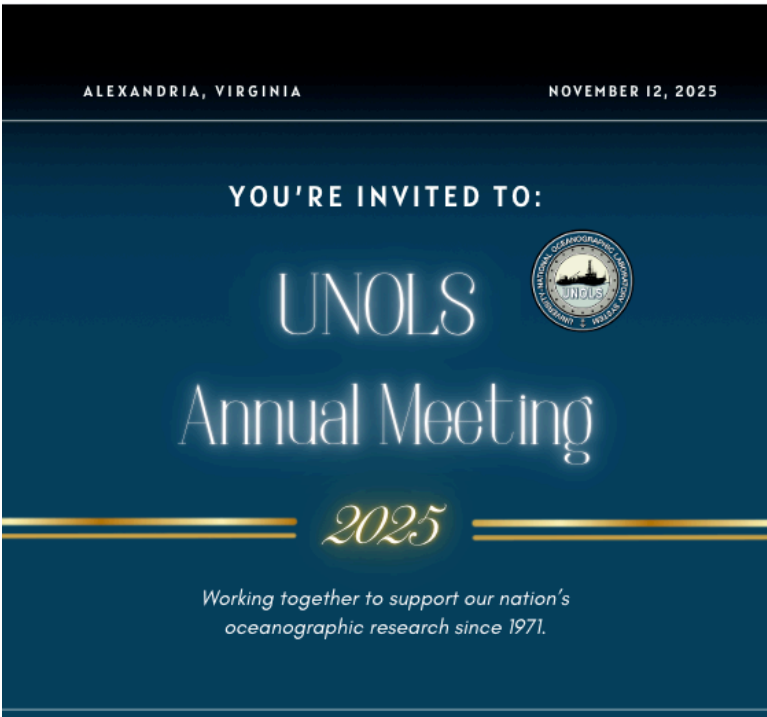


MF P Research Planner now includes a new Capture Snapshot feature. You can access it by clicking the camera icon on the right side of the toolbar. This allows you to easily capture and save the location of your waypoints. You can also upload coordinate files, change the aspect ratio, select the map type, adjust the toggle layers, and more.

If you have any questions, please reach out to Martyn stefano@unols.org.

Committee News

2025 UNOLS Annual Meeting



The 2025 UNOLS Meeting is just around the corner. Come join us in Alexandria on 12 November 2025. This meeting will be followed by a ½ day C meeting on the morning of 13 November. Although there will be both in-person and

components, we encourage folks to come in person as a great opportunity to network and out more about our initiatives. More information about the meeting, including agenda, can be found [here](#)

Whether you want to attend virtually or in person, we look forward to seeing you and sharing UNOLS activities over the past year.

2025 UNOLS allot

Are you a UNOLS Member Institution representative? If so, don't forget to vote! You should have received an email from the UNOLS Office. If you have not, check your SAM folders. Voting is a key responsibility for UNOLS representatives. Please contact bridget@unols.org with any questions.

New DeSSC Member

Welcome to the new members of DeSSC:

- Victoria Preston Olin College
- Shawn Arellano WWU
- Adam Starke MS State

Fleet Highlights

Farewell to a Floating Legacy: The National Science Foundation's *R/V Endeavor* Retire After 50 Years



Photo courtesy of the University of Washington

After nearly five decades of service, the National Science Foundation R/V Endeavor, a cornerstone of oceanographic research, has officially retired. Operated by the University of Rhode Islands Graduate School of Oceanography and owned by the National Science Foundation, the vessel completed its final mission on September 1, marking the end of an era in marine science.

Since its launch in 1975, National Science Foundation R/V Endeavor carried out over 1,000 scientific missions, traversed more than one million miles, and hosted thousands of scientists, students, and educators. From oil spill response off Nantucket to deep-sea exploration across the Atlantic and Pacific, the ship's legacy is rich with discovery and impact.

The retirement is bittersweet. While the vessel's contributions will be celebrated, its absence will be felt deeply by the ocean science community.

To explore the full history of the National Science Foundation R/V Endeavor, including its most memorable missions and milestones, visit the [archive](#) [tribute](#).



Exploring the hidden Currents of
the Atlantic Ocean
Maureen Lang et al.



This summer, an international team of scientists embarked on an expedition in the Galápagos Marine Reserve aboard the research vessel *R/V Marcus Langseth*. Led by researchers from the Galapagos Science Center and the University of North Carolina, the mission focused on understanding oceanographic processes—like internal tides and upwelling—that shape plankton communities and influence the region's rich marine ecosystem.

What makes this expedition especially notable is that the *R/V Marcus Langseth*, a vessel typically known as an "M/G vessel," successfully carried out approximately 90 CTD casts, 40 GoFlo deployments,

Bongo net and seawater pump operations—many of the U/W camera. In addition, the team maintained continuous EM122 multi-beam sonar surveying with full coverage. A Dredge was deployed 33 times throughout the week. A large number of Wire W mooring and other mods were made to all the vessel spaces to support the variety of tasks being

[Rea the flla t cle he e](#)



i co e Small Re ea c Ve el it t e
Non Academic Re ea c Fleet n ento y

The [on ca emic e earch leet on e el mall](#)

[Inventory](#) is a resource that highlights small research vessels operated by UNOLS member institutions. It supports a wide range of scientific and educational research, often in coastal and nearshore environments. The interactive map makes it easier than ever to locate vessels by region and explore their capabilities. If your institution operates a small vessel, it can be included, [please contact us](#) to learn more and explore [the map](#).



Ne f e U i e i N i Oce ic L S e UN
Ne e e c tps: unols.org ocu ents unols-newsletters
e e c weba c in@unols.org e i c i e

Tue, Feb 22 at AM !

https://mail.google.com/mail/u/0/ik/15fc0c0ee0/view_pt/search/all/permid/thread-f:1847509985724308422/simpl/msg-f:1847509985724308422/simpl 13/13