



ASL Newsletter Spring 2026. This issue:

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Introducing ASL's EdgeAZFP

ASL Environmental Sciences is pleased to announce a new collaboration with [Open Ocean Robotics](#), as part of the Air-Sea Ocean Monitoring System (ASOMS) project partially funded by [Canada's Ocean Supercluster](#). As part of this joint effort, ASL's Acoustic Zooplankton Fish Profiler (AZFP) has been integrated into Open Ocean Robotics' solar-powered surface vehicle, the DataXplorer, to unlock new possibilities in autonomous ocean monitoring with onboard, AI-powered processing and real-time insights to the environment.

The AZFP is a calibrated, scientific echosounder that is often deployed on moorings, providing a multifrequency time series lasting 12 months or longer. Combining ASL's AZFP with Open Ocean Robotics' innovative uncrewed DataXplorer platform demonstrates a more efficient, environmentally friendly, and safer approach to collecting oceanographic data in diverse and remote marine environments.

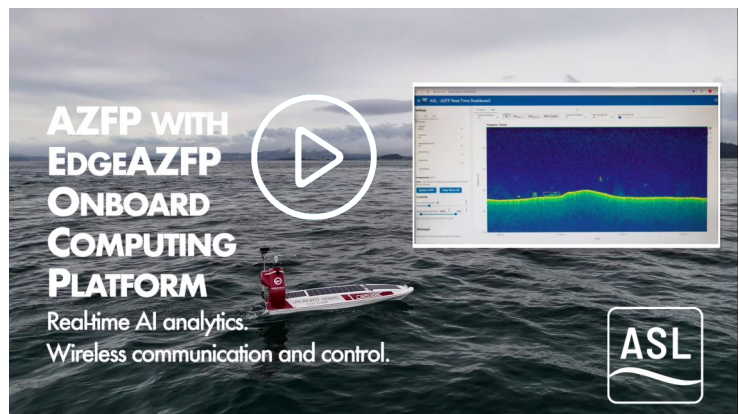


EdgeAZFP launch. Victoria, BC.

Watch video here:



Dr. Steve Pearce examines AZFP transducer.



New product release video.

ASL Supports Connecting Kativik Communities to High-speed Internet



ADCP mooring prepped for deployment (top). Mooring recovery off the aft of the RV Coriolis (bottom).

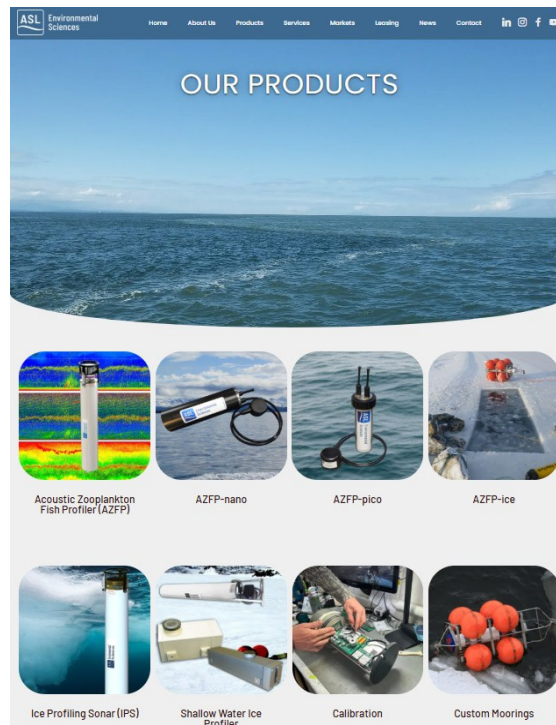
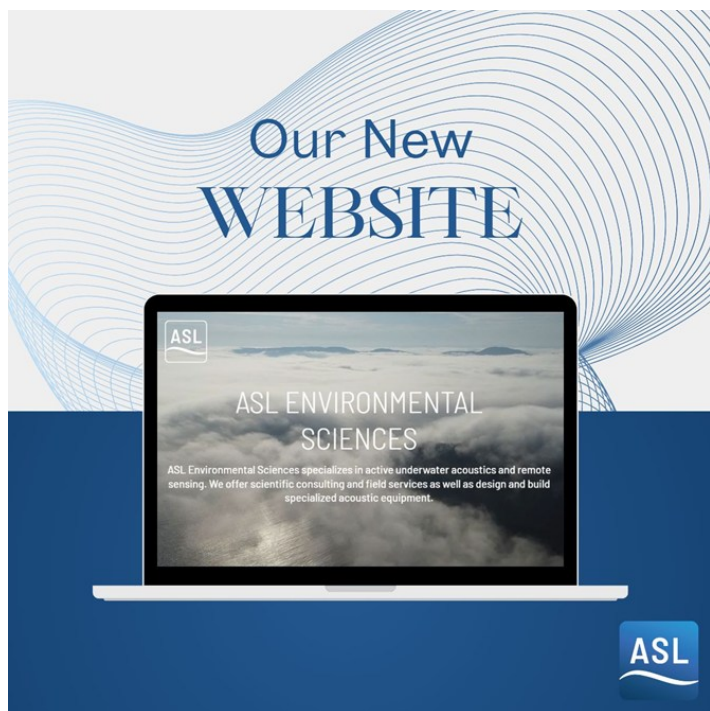
ASL is pleased to announce that it has recently completed a tidal current survey for the Kativik Government, in support of the Eastern Arctic Undersea Fibre Optic Network (EAUFON-3). ASL was delighted to work alongside [Seaforth Geosurveys](#) who led the campaign and conducted onshore and subsurface surveys, and [Sulmara](#) who collected 3D sub-bottom data using the eBOSS system. The project is currently in its final phase to bring fast and reliable internet to all seven Ungava Bay communities, from Kangiqsujuaq to Kangiqsualujjuaq.

Construction on EAUFON-3 is planned to begin in 2027, with completion in 2028. Earlier phases of EAUFON connected other Nunavik communities by laying fibre from James Bay to the Hudson Strait and replacing older satellite links.

The field study measured directional currents at four sites located near the communities of Kuujuaq and Tasiujaq in exceptionally challenging environments where extremely strong tidal currents interact with river discharge. The datasets collected from this program will be used to support engineering design and cable laying operations. This information will also contribute to routing decision-making processes intended to respect hunting areas near Quaqtuaq.

ASL is proud to support preliminary front-end engineering design (PRE-FEED), construction, and operations and maintenance assessments of new and existing marine subsea infrastructure. Once finished, the network will support stronger education, better healthcare through telemedicine, and more opportunities for local businesses and families.

ASL Launches a New Website



We're excited to share the launch of the newly redesigned ASL Environmental Sciences website: www.aslenv.com.

Our goal with this update was simple—create a more modern, accessible, and user-friendly experience for our clients and collaborators.

The new site features:

- A fully mobile-friendly design that works seamlessly in the field or office
- Cleaner navigation to help users quickly find services and technical expertise
- Improved layout and visuals to better showcase our work in environmental monitoring and applied science
- Streamlined content focused on clarity and usability

This redesign reflects how we work today: responsive, practical, and focused on delivering clear, science-based solutions.

We'd love for you to take a look and let us know what you think.



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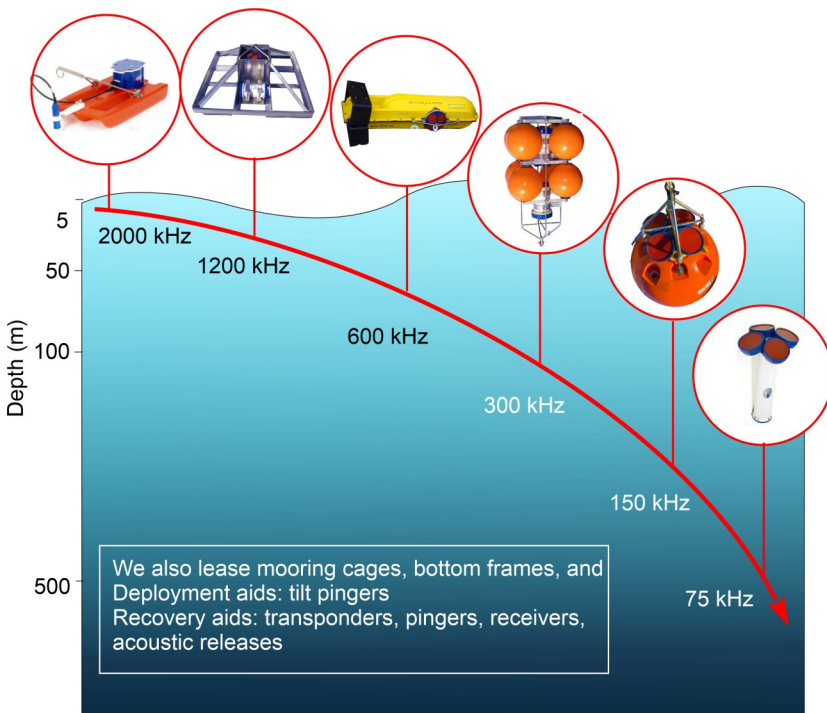
ASL Joins Marine Renewables Canada Trade Mission at WindEurope 2026 in Madrid



ASL recently joined the [Marine Renewables Canada](#) trade mission to attend WindEurope 2026 in Madrid, with the objective of strengthening transatlantic partnerships in support of offshore wind development initiatives across Canada, Europe, and the United Kingdom.



We would like to extend our sincere gratitude to Marine Renewables Canada, the Embassy of Canada to Spain and Andorra, the Canadian Trade Commissioner Service, Atlantic Canada Opportunities Agency, and Invest Nova Scotia for their leadership and support throughout the mission. We would also like to express special thanks to Aberdeen International Associates for their diligence and professionalism in preparing delegates through comprehensive market intelligence briefings, regional market overview sessions, and highly valuable business-to-business matchmaking activities.



Go Deep or Go Home

Do you need to measure currents in deep-water but don't want to blow your budget on an ADCP? ASL has deepwater rated oceanographic equipment available for lease, including 75, 150 and 300kHz ADCPs, syntactic foam flotation, beacons and acoustic releases.

See our [extensive collection of high quality oceanographic equipment](#) for lease, a list of [used equipment](#), or contact [Rick Birch](#).



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Recent Events and Highlights

ASL Environmental Sciences had a busy and productive start to 2026, participating in and contributing to a wide range of international conferences, technical forums, and academic initiatives.



Alaska Marine Science Symposium—Anchorage

January 26-30, 2026

ASL participated in AMSS 2026, where ASL's Julek Chawarski presented on the "Subtidal mixing and plankton exchange flow in an ice-covered Arctic lagoon."



Ocean Sciences Meeting—Glasgow

February 22-27, 2026

ASL's president Jan Buermans and Dr. Julek Chawarski attended the AGU/ASLO OSM 2026, connecting with the scientific community and sharing ASL's expertise in ocean monitoring technologies.

ASL presented a poster on the [AZFP](#).



Oceanology International—London

March 10-12, 2026

ASL was part of a strong Canadian presence at Oceanology International 2026, led by ABCDMI and ACOA, engaging with global partners and participating in industry events alongside the BlueTech Cluster Alliance.



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Recent Events and Highlights



Metocean programming and data analysis



Mathew Asplin
Director, Consulting Business Development
Adjunct Assistant Professor, University of Victoria

Guest Lecture—University College Cork

March 12, 2026

ASL's Dr. Mathew Asplin delivered a guest lecture for the Micro-credential in Metocean Programming and Data Analysis at University College Cork. The session explored the link between Arctic science and offshore wind, highlighting advanced data collection and analysis techniques.



WGFASST Meeting—Netherlands

April 20-24, 2026

ASL took part in the ICES WGFASST meeting hosted by Wageningen University. The team contributed presentations, supported a new mentorship initiative, and connected with international experts in fisheries acoustics.



WindEurope 2026—Madrid

April 21-23, 2026

ASL participated in the Marine Renewables Canada trade mission to WindEurope 2026 in Madrid. The event provided an opportunity to connect with global offshore wind leaders and showcase Canadian expertise in metocean and environmental monitoring.



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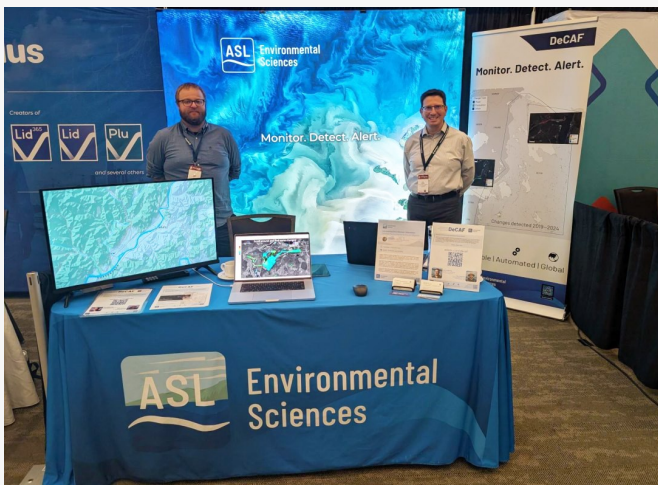


Association of
British Columbia
Defence and
Marine Industries

Defense Innovation Forum—ABCDMI

April 21-22, 2026

ASL attended the ABCDMI Defense Innovation Forum, where Jan Buermans presented on AI applications for uncrewed systems, focusing on real-time detection of water-column features using acoustic data.



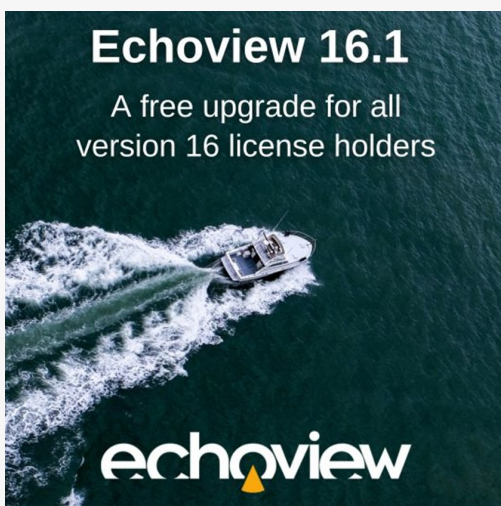
Geolgnite 2026—Ottawa

May 11-13, 2026

ASL's Kaan Ersahin and Matus Hodul attended Geolgnite in Ottawa. During this event, the Next-Generation Wide-Area Change Detection software "**DeCAF**" was introduced with live demos displaying its capabilities.

Echoview 16.1

A free upgrade for all
version 16 license holders



New Echoview Release

ASL is pleased to see the release of the new Echoview 16.1. This new version supports our latest AZFP file version and is a useful data viewing and analysis tool.

<https://echoview.com/>



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ASL's Annual Beach Cleanup



We had an enthusiastic turnout of ASL staff and families for the annual beach cleanup held at Island View Beach on Saturday May 9. Special thanks to the CRD for supplying cleanup gear and support.

“Thanks to all who participated in our beach cleanup. It was a small but tangible way to express our gratitude for being able to do the things we do in the ocean.”

(Keith Borg, Senior Oceanographer)

Conferences

Upcoming Conferences

UG2 Conference

May 18-20, 2026
St. Pete, Florida

CMOS Congress

June 1-3, 2026
Virtual

EnergyNL Conference

June 2-4, 2026
St. John's, NL

Indigenous Resource Opportunity Conference

June 3-5, 2026
Nanaimo, BC

H2O 2026

June 8-11, 2026
Halifax, Nova Scotia

Global Energy Show Canada

June 9-11, 2026
Calgary, Alberta

Maritime & Arctic Security & Safety Conference

July 13, 2026
St. John's, NL

Recent Conferences

23rd Annual BC Natural Resources Forum

January 20-22, 2026
Prince George, BC

Alaska Marine Science Symposium AMSS 2026

January 26-30, 2026
Anchorage, Alaska

Ocean Sciences Meeting OSM 2026

February 22-27, 2026
Glasgow, Scotland

WindEurope 2026

April 21-23, 2026
Madrid, Spain

ABCDMI Defense Innovation Forum

April 22-23, 2026
Vancouver, BC

Geolignite Conference

May 11-13, 2026
Ottawa, Ontario

Maritime Arctic Shipping Conference

May 13-15, 2026
Victoria, BC



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