

Ocean Hackathon® 2025

An International Hackathon on Ocean Data

Date: October 17 – 19, 2025

Location: COAST Ocean Innovation Hub (in-person only)

517 Herald Street, Victoria, British Columbia

Invitation

We invite all ocean lovers, technology enthusiasts, and innovators to join Ocean Hackathon® 2025, a 48-hour ocean data marathon that will take place
October 17 - 19, 2025, in Victoria, BC.

Using real data related to the ocean and coastal environments, teams will develop creative solutions and prototypes, aimed at the preservation and smart use of marine resources.

Teams from around the world participate in the event.

VICTORIA
(CA)

RIMOUSKI
(CA)

BREST (FR)

TOULON (FR)
PENICHE (PT)
CÁDIZ (ES)

SPLIT (HR)

POINTE
NOIRE (CG)

SALVADOR (BR)

CAPE TOWN (ZA)

KUALA
LUMPUR (MY)



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DECADE OF OCEAN SCIENCE FOR
SUSTAINABLE DEVELOPMENT AS A
DECADE ACTIVITY

What is Ocean Hackathon®?

Ocean Hackathon® is an international, 48-hour challenge where multidisciplinary teams come together to develop innovative solutions for ocean preservation. Participants gain exclusive access to vast marine databases and receive expert guidance from experienced mentors and industry professionals.

During the hackathon, teams collaborate to tackle real-world, pre-determined challenges using digital tools and cutting-edge technologies. The event culminates in a pitching competition, from which the winning team will advance to the Grand Finale in Brest, France for a chance to win prizes from our Ocean Hackathon® Ambassadors.

Q&A

- **Who are the hosts for the Canadian West Coast location?**
 - COAST Centre for Ocean Applied Sustainable Technologies and Ocean Networks Canada.
- **Where and when does it take place?**
 - October 17 - 19, 2025
 - At the COAST Innovation Hub in downtown Victoria — 517 Herald Street, Victoria.
- **Who will be competing?**
 - 4 teams of 5 to 8 participants from diverse areas of expertise, including marine science, oceanography, AI/ML, data analysis, business, and more!
- **What is the top prize?**
 - A trip to Brest, France in December 2025, to join the final award ceremony and meet the teams from around the world.

Q&A

- **Is the event in person or virtual?**
 - Ocean Hackathon 2025 – Victoria is an in-person-only event, allowing participants to collaborate on-site.
- **How do I register for the event?**
 - Please submit an expression of interest to your university representative by end of day on **September 15th, 2025**. We will then send follow-up email with a link to the registration platform, and accept participants on a first-come, first-serve basis.
 - Registration links will be sent before or on September 20th.
- **What is the registration deadline?**
 - Registration deadline is October 1, 2025.
- **How much does it cost to participate?**
 - To prevent no-shows, the participation fee is \$25 CAD and will be refunded at the end of the challenge (minus a \$5 administration fee).

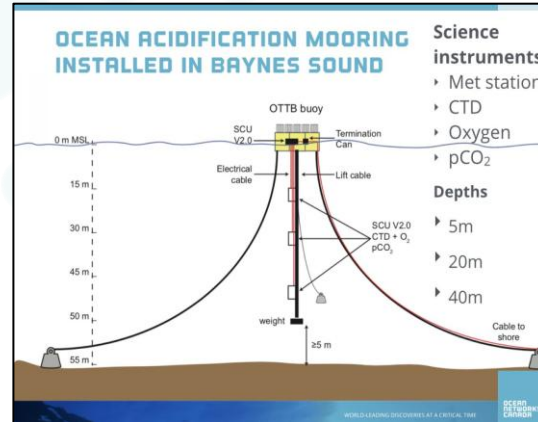
Overview of the Challenges

VIC01: What's That Ship?



With a dataset of hydrophone recordings of different types of ships, train a model that classifies unlabeled recordings into 1 of 4 categories.

VIC02: Ocean Acidification Prediction Model



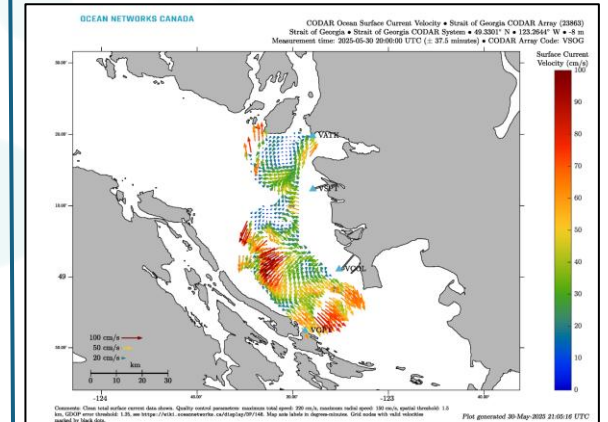
Build a model that uses data from ONC's ocean acidification mooring to predict when low pH is more likely.

VIC03: Image Analysis of Boat Traffic



Use machine learning to count boats from thousands of shore camera images.

VIC04: Surface Current Drivers in the Strait of Georgia



Use AI to figure out whether tides, winds or river flow are driving current patterns in the Strait of Georgia.

Contact

- **Who can I contact if I have questions about the event?**

- For questions relating to the day, venue, registration etc. contact

Camille Ruest (cruest@canadacoast.ca)

- For questions relating to the challenges, data etc. contact

Dwight Owens (dwowens@oceannetworks.ca)

- University representatives should contact

Tom Roemer (troemer@canadacoast.ca)

CAMPUS
MONDIAL
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2021 United Nations Decade
of Ocean Science
for Sustainable Development
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DECADE OF OCEAN SCIENCE FOR
SUSTAINABLE DEVELOPMENT AS A
DECADE ACTIVITY



OCEAN
NETWORKS
CANADA

9TH EDITION

OCEAN HACKATHON®

17-19 OCTOBER 2025

REGISTER IN VICTORIA, BC
JOIN A TEAM
TACKLE A CHALLENGE





We will see you there!