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United Nations Decade
of Ocean Science
for Sustainable Development

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CANADA'S OCEAN DECADE NEWSLETTER

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Ocean Decade

Community of Champions Feature

The Ocean Decade Community of Champions was created with one champion for each of the seven **Decade Outcomes**. The Champions aim to mobilize the Canadian ocean community and foster the creation of innovative and transformative science-based actions. Kent Smedbol, Champion for A Productive Ocean and Lisa (Diz) Glithero, Champion for An Inspiring and Engaging Ocean, explain their role and vision for their respective thematic networks:

Lisa (Diz) Glithero, Champion for An Inspiring and Engaging Ocean



Dr. Lisa (Diz) Glithero, Ocean Decade Champion for An Inspiring and Engaging Ocean, National Lead of the Canadian Ocean Literacy Coalition.

Through the Canadian Ocean Literacy Coalition - an alliance of organizations, institutions, networks, and communities across regions, sectors, and scale - we will advance ocean literacy in the Ocean Decade by leveraging the implementation of the co-developed national ocean literacy strategy. This includes, for example, strengthening ocean-climate education in schools, teacher education, and non-formal learning spaces; growing Ocean Week Canada; raising

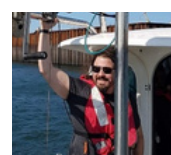
awareness and access to ocean-related career opportunities and training; strengthening ocean knowledge exchange through media, storytelling, and the Arts; and supporting Indigenous-led conservation and community restoration projects. It is going to take all these things and more to really transform society's relationship with the ocean.

Kent Smedbol, Champion for A Productive Ocean

"Canadian coastal and Indigenous communities from coast to coast to coast benefit from sustainable harvest and sustainable use of ocean spaces. In the face of a changing ocean climate, ensuring sustainability of our activities is a shared responsibility of all those who collect food or make their living from the ocean. Our group will focus on promoting development of science networks, partnerships, collaborations and informal relationships among Indigenous communities, harvest organizations, academics, and other ocean experts to help promote and advance sustainable ocean use for a more productive ocean under the umbrella of the Ocean Decade initiative."



Dr. Kent Smedbol, Ocean Decade Champion for A Productive Ocean, Senior Director of Collaborative Lobster Science at Fisheries and Oceans Canada (DFO).



Fifteen Canadian-led Projects Endorsed as Ocean Decade Actions

The Ocean Decade momentum continues to grow. Globally, the Ocean Decade now comprises 44 programs, 193 projects, and 62 contributions that are endorsed as Ocean Decade Actions by UNESCO's Intergovernmental Oceanographic Commission (IOC).

Recently, a new series of Decade Actions received endorsement. These include fifteen Canadian-led projects focusing on a variety of themes, including oceanography, fisheries, climate change, ecosystem health, biodiversity and monitoring, marine biogeochemistry, and hydrography. For Canada, these endorsements celebrate leadership in the Ocean Decade by Tula Foundation, University of British Columbia, University of Calgary, McGill University, the British Columbia Ministry of Agriculture, Food and Fisheries, the Canadian Commission to UNESCO, Fisheries and Oceans Canada, as well as their respective partners.

To learn more, read the [news release](#) and view the [full list of newly endorsed Ocean Decade Actions](#)

Waves breaking, Maldives. ©Ariph Rasheed / Ocean Image Bank

The IOC's Fourth Call for Decade Actions is Now Open

The IOC's Fourth Call for Decade Actions (No. 04/2022) is now open for submissions until **January 31, 2023**. The IOC launches Calls for Decade Actions every six months. These Calls are an open invitation for project leads worldwide to collaborate on transformative and innovative initiatives that contribute to achieving the Ocean Decade vision. The current Call is seeking new programs on Ocean Decade [Challenge 6 – Increase Community Resilience to Ocean Hazards](#) and Ocean Decade [Challenge 8 – Create a Digital Representation of the Ocean](#). It also seeks to identify new projects on a variety of thematic.



Wave ©Jeff Hester / Ocean Image Bank

Submit your initiatives to be considered for Ocean Decade endorsement and to gain access to a global community that is contributing to enhancing ocean sustainability.

For more details on the Call, see the [news release](#) or visit the [Ocean Decade's Global Stakeholder Forum](#).



Over \$4M Awarded in Funding for Canadian Arctic Research led by ArcticNet

ArcticNet, Canada's national hub for Arctic and northern research, partnered with DFO, UNESCO's IOC, Mitacs, and the Weston Family Foundation to fund 21 projects supporting a self-determined and sustainable Canadian North. With more than \$4 million over two years, the new projects will improve understanding in key priorities for the North, including climate change, human health, socioeconomic and cultural systems, biodiversity, resource management, and policy impacts.



Four of the new projects identified through this Call for proposals align with the Marine Systems priority and received official endorsement as Ocean Decade Actions from the IOC. These projects address key priorities in ocean and Arctic marine science, including anthropogenic impacts on cetaceans, ecosystem dynamics of the last ice area, mobility and sea-ice safety of coastal communities, and support greater understanding of underwater noise, ocean observation, and climate modelling, all of which are very important given the impact of climate change.

For more information, read [ArcticNet's press release](#).

ArcticNet will hold its Annual Scientific Meeting on December 4-8, 2022 in Toronto, ON

The ArcticNet Annual Scientific Meeting (ASM) is a meeting ground for world-class Arctic research. Every year, Arctic research leaders from across Canada and worldwide, along with their partners from Inuit organizations, northern communities, federal and provincial agencies, and the private sector, convene to share knowledge, build relationships, and foster a strong Arctic research network. Learn more on the [conference webpage](#).



Hydrophone-equipped Slocum gliders are listening for the calls of large baleen whales across the Scotian Shelf and the Gulf of St. Lawrence. ©Nicolas Winkler

The Ocean Tracking Network receives \$38.5M from the Canada Foundation for Innovation

The **Ocean Tracking Network (OTN)** has been awarded a grant of \$38.5 million from the Canada Foundation for Innovation's (CFI) Major Science Initiatives (MSI) Fund, the only one in Atlantic Canada, bringing the total amount awarded to OTN from the Government of Canada to \$65.6 million. The MSI Fund supports unique operating and maintenance needs of some of Canada's leading research facilities — both physical spaces and virtual networks — to serve researchers as they continue driving science and innovation.

Since 2008, OTN has been deploying innovative ocean monitoring equipment and marine autonomous vehicles (gliders) in key aquatic locations around the globe and has since expanded to include remotely operated vehicles and side scan sonar technology while fostering international collaboration. Read the full [media release](#).

Introducing the New Ocean Networks Canada Website and Oceans 3.0 Data Portal

Ocean Networks Canada (ONC) has recently released its new [website](#) and the **Oceans 3.0 Data Portal**, which has attracted more than 32,000 global users who can search, download, and visualize data received from over 12,000 sensors on ONC's cabled observatories, mobile platforms, and autonomous instruments on all three coasts of Canada. The website offers new tools and features including [interactive maps](#) of observatory sites; [data dashboards](#) to visually analyze, track, and display both live and 16+ years of data; [learning modules](#) to provide experiential learning for middle to high school students; a new [expeditions interface](#) to connect live with at-sea ONC expeditions; a [media kit](#) for ONC information; a [multimedia library](#) to access live and archived underwater videos and much more!

Learn more about ONC and the broad range of services and solutions they offer by reading the newly released 2021-22 ONC Annual Report 'Advancing New Frontiers', available in [PDF](#) and [ISSUU](#) formats.



Join the ORCA Pod! Call for New Members

The **Oceans Research in Canada Alliance (ORCA)** was established to improve the coordination of ocean science and technology (S&T) in Canada. ORCA brings together Canada's ocean S&T community to increase collective knowledge, align efforts, and forge stronger collaborative ties. Membership reflects the diversity of Canada's ocean S&T community, and includes academic institutions, government departments, granting agencies, non-governmental organizations, Indigenous groups, and industry.

Join the ORCA Pod! Membership is free and provides you access to the ORCA Community Platform which facilitates coordination and collaboration between ORCA members. Send an email to the ORCA Secretariat ORCA.AROC@dfo-mpo.gc.ca to join the more than 500 members from over 155 organizations that are already part of ORCA. Together we can advance our collective understanding of the ocean!

CONTACT US!

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Email: ORCA.AROC@dfo-mpo.gc.ca

Website: [United Nations Decade of Ocean Science for Sustainable Development \(2021-2030\)](#)

Website: [Oceans Research in Canada Alliance](#)

Twitter: [@CanOceanSci](#)



Fisheries and Oceans
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Upcoming Events

November 7-10, 2022	Ocean Tracking Network (OTN) Symposium	Virtual and Halifax, NS
November 7-11, 2022	Small Pelagic Fish Symposium 'New Frontiers in Science and Sustainable Management' *	Lisbon, Portugal
November 7-18, 2022	UN Climate Change Conference 2022 (UNFCCC COP 27)*	Sharm El-Sheikh, Egypt
November 9, 2022	GOOS, MTS and NOAA Dialogues with Industry: User Driven Ocean Information Services: Core and Downstream Services*	Virtual
November 14-16, 2022	Canadian Women in Ocean Industries Leadership Conference	St. John's, NL
November 14-18, 2022	Annual BlueTech Week	San Diego, USA
November 21-23, 2022	4th World Small-Scale Fisheries Congress	Cape Town, South Africa
November 22, 24, 28 & 30, 2022	MEOPAR Annual Meeting	Virtual
November 23-24, 2022	Advancing Indigenous Partnerships in Ocean Science for Sustainability (West Coast)	Virtual
December 4-8, 2022	ArcticNet Annual Scientific Meeting	Toronto, ON
December 6-8, 2022	Hydrographic Conference HYDRO 2022 'Towards Enhanced Responsibility'	Monaco
December 7, 2022	GOOS, MTS and NOAA Dialogues with Industry: Looking Ahead: New Technology for the Ocean Decade*	Virtual
December 7-19, 2022	UN Biodiversity Conference (Fifteenth meeting of the Conference of the Parties (COP-15) to the Convention on Biological Diversity (CBD))	Montreal, QC
January 9-11, 2023	10th Annual World Congress of Ocean	Sapporo, Japan
February 3-9, 2023	IMPAC5 Fifth International Marine Protected Areas Congress*	Vancouver, BC
February 14-16, 2023	Oceanology International Americas (OiA)	Virtual and San Diego, USA
February 22-25, 2023	Canadian Conference for Fisheries Research (CCFFR)/Society of Canadian Aquatic Sciences (SCAS) Conference 2023	Montreal, QC
February 28-March 2, 2023	10th Annual World Ocean Summit & Expo	Lisbon, Portugal

***Endorsed Ocean Decade Action**



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