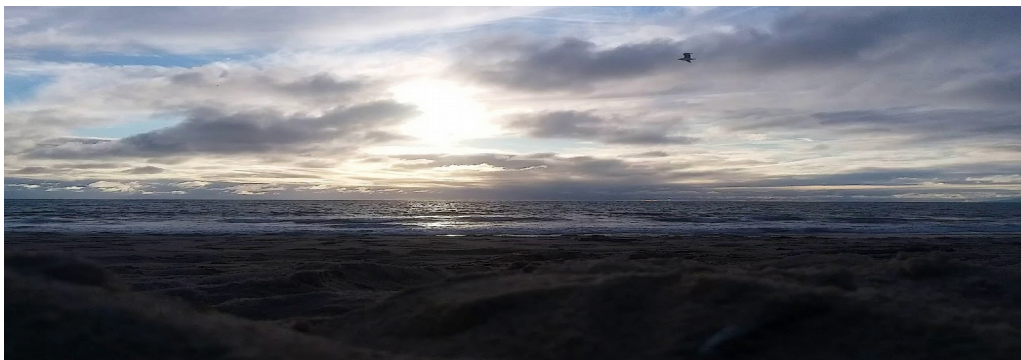


**CANADIAN OCEAN SCIENCE NEWSLETTER
LE BULLETIN CANADIEN DES SCIENCES DE L'OcéAN**

**Newsletter Number 117, March 2021
Bulletin numéro 117, mars 2021**

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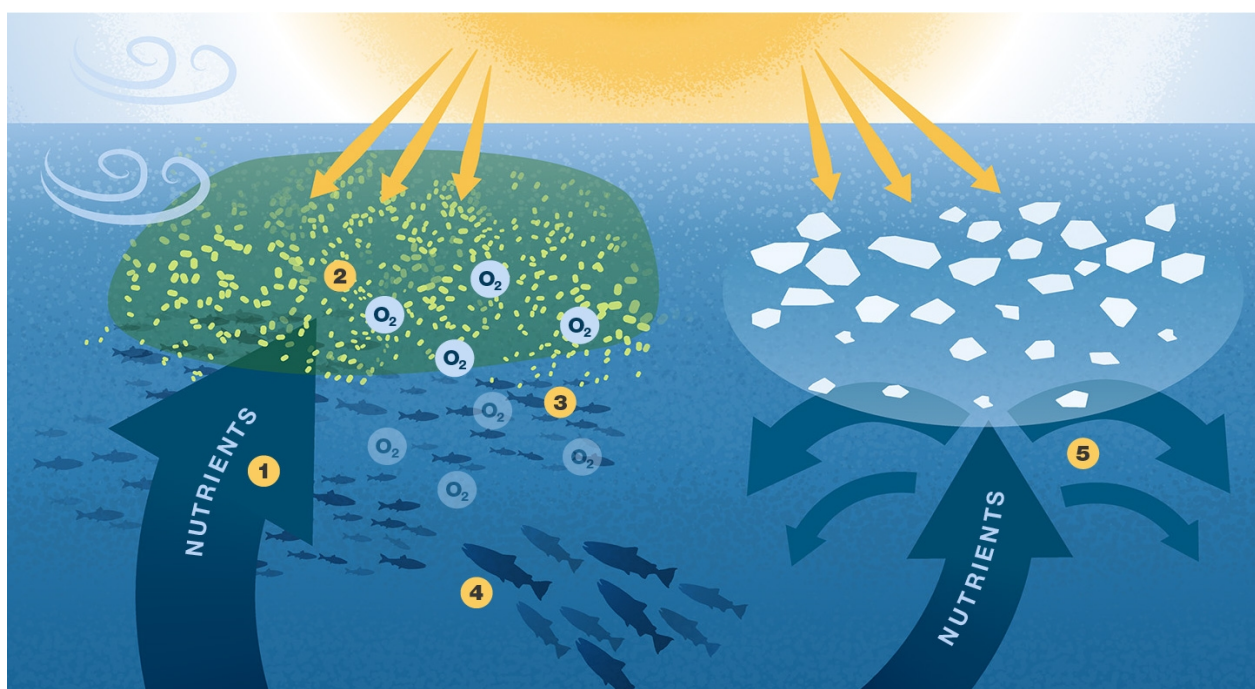
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As part of the Government of Canada's ongoing commitment to inform its citizens on the current state of its oceans, Fisheries and Oceans Canada produces a series of reports entitled Canada's Oceans Now. Each four-year series features an annual report summarizing the current status and trends for the Pacific, Atlantic, and Arctic oceans followed by a national synthesis. Reports provide highlights and examples of the multitude of influences and changes affecting these dynamic ocean systems.

Les océans du Canada maintenant, 2020 consiste en un examen et en une mise à jour à l'échelle nationale des trois océans du Canada fondés sur de précédents rapports techniques et publics relatifs aux océans Pacifique, Atlantique et Arctique. De nouvelles connaissances ont également été intégrées à partir de données actualisées. Une recherche scientifique a été menée, principalement par Pêches et Océans Canada et Environnement et Changement climatique Canada (oiseaux de mer); certaines données sont également fondées sur les connaissances des communautés et des Autochtones ainsi que sur des travaux d'universités et d'organisations non gouvernementales.

From the report / Du rapport:



Upwelling

Upwelling is an important physical process supporting life in the oceans

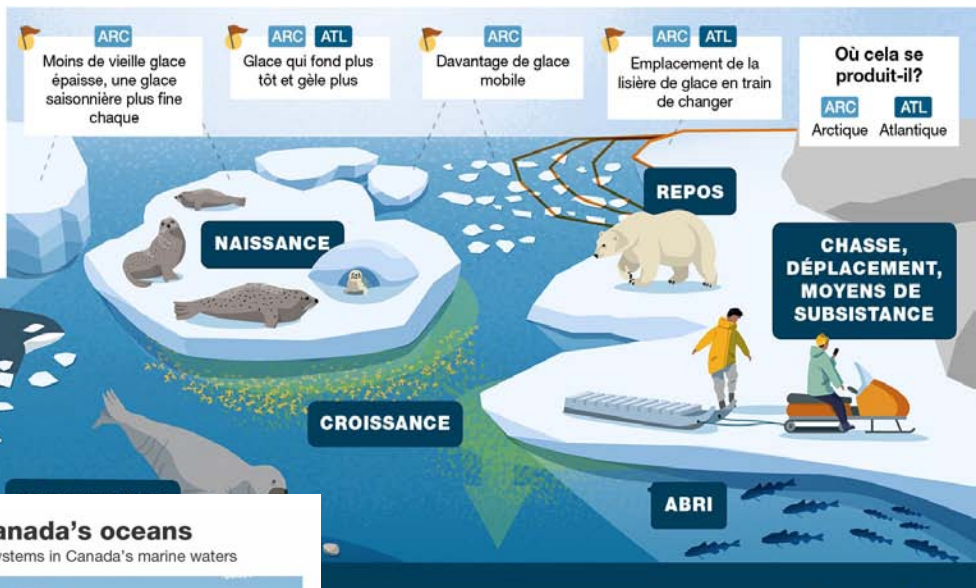
- 1** Upwelling brings nutrients from deep water to the sunlit upper layers at the ocean's surface
- 2** Nutrients and sunlight are needed for phytoplankton to grow
- 3** Like other plants, phytoplankton use carbon dioxide (CO₂) and produce oxygen (O₂)
- 4** Phytoplankton growth, known as primary productivity, provides food for many species and supports the entire food web
- 5** Freshwater on the surface, for example from melting ice, can prevent deep water from mixing upwards

Canada's Oceans Now, 2020

Changements dans l'habitat de glace de mer

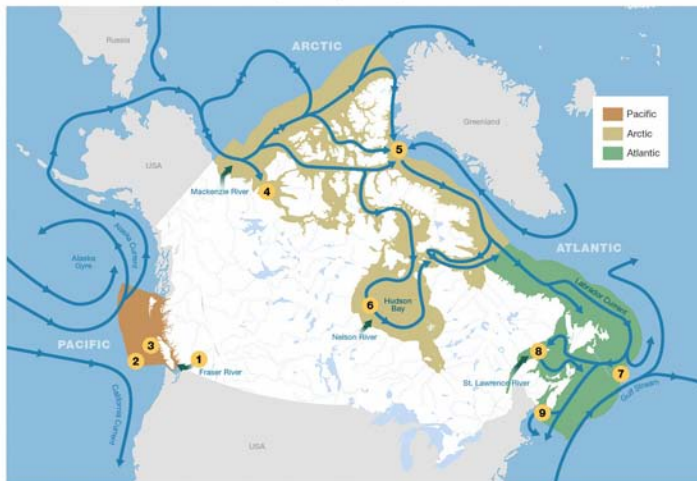
Dans les océans Arctique et Atlantique, des événements de vie majeurs de nombreuses espèces se produisent sur la glace de mer

Agent de stress



The ins and outs of Canada's oceans

There is an incredible diversity of unique ecosystems in Canada's marine waters



PACIFIC

- 1 The Fraser River Estuary supports a wide diversity of plant and animal life, including seven salmon species
- 2 Hydrothermal vents are huge chimney-like structures that release plumes of hot, chemical-rich water that support one of the highest levels of microbial diversity on earth
- 3 The upwelling of deep ocean water brings nutrients to coastal waters supporting phytoplankton growth and ecosystem health, attracting migratory species

ARCTIC

- 4 Anguniaqvia niqiyuam Marine Protected Area provides important habitat for many Arctic marine species and is near a bowhead whale feeding area
- 5 The North Water Polynya has areas of open water all year, providing needed resources for many species
- 6 Estuaries in western Hudson Bay attract nearly 30% of the global population of beluga whales

ATLANTIC

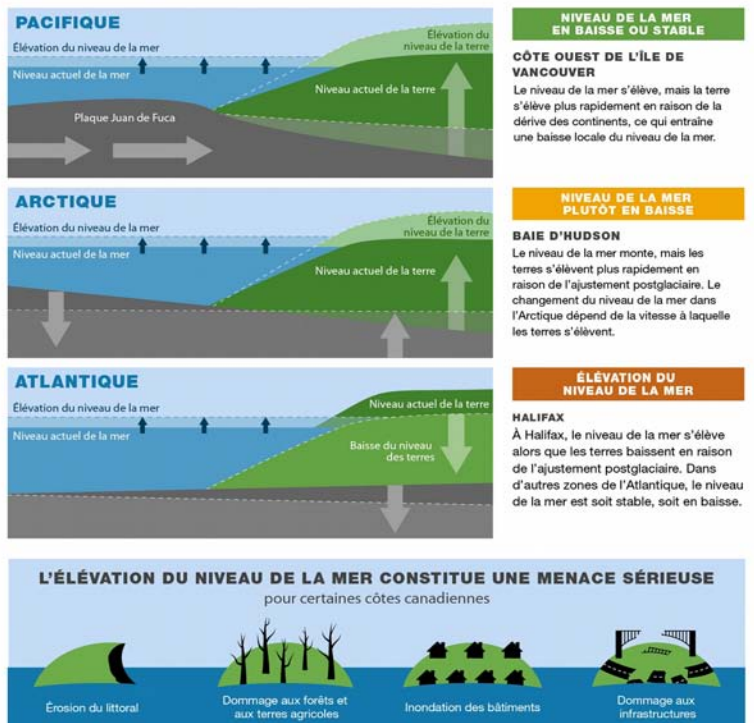
- 7 The Grand Banks of Newfoundland, where the warmer Gulf Stream meets with the cooler Labrador Current, is a highly productive area for marine life
- 8 The St. Lawrence River meeting the Atlantic Ocean forms a rich and diverse estuary ecosystem
- 9 The Bay of Fundy's massive tides and strong currents cycle nutrients and concentrate plankton, resulting in an abundant food supply for whales, seabirds, and other marine species

Canada's Oceans Now, 2020

Les océans du Canada maintenant - 2020

Le niveau de la mer change

Au Canada, l'élévation du niveau de la mer dépend de l'endroit où vous vivez



Les océans du Canada maintenant - 2020

Canada in the International Ocean Discovery Program



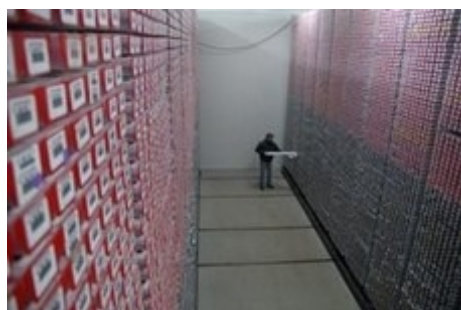
Thanks to a new partnership between Ocean Networks Canada and the Canadian Consortium for Ocean Drilling (CCOD), Canada's membership in the International Ocean Discovery Program (IODP; formerly

Integrated Ocean Drilling Program) will continue until at least 2023. The International Ocean Discovery Program (IODP) is a 23 nation research collaboration that uses ocean-going research platforms to explore Earth's history and dynamics by collecting data recorded in sub-seafloor sediments and rocks. Drill cores, borehole imaging, observatory data, and related geophysical imaging are obtained from beneath the ocean floor using two specialized drill ships



and other mission-specific platforms.

The scientific drilling vessel JOIDES Resolution, has been an integral part of IODP since 1985. (Photo: William Crawford, IODP/TAMU)



Sample requests for all DSDP, ODP, and IODP cores are submitted using the [Sample and Data Requests Database \(SaDR\)](#).

For over 50 years, IODP drilling expeditions have led to many fundamental breakthroughs in the understanding of our oceans, climate, and Earth evolution, including significant leaps in our understanding of plate tectonics, climate change, circulation of fluids through Earth's crust, the limits of life on and within Earth. The program is arguably the most successful international geoscience research initiative to date, and Canadian-based researchers have published over 800 articles in peer-reviewed scientific journals using data collected during IODP expeditions. The program also builds intellectual capacity through the promotion of international collaboration, education, and training, including workshops and summer schools.

Canada's participation in IODP dates back to 1985. The CCOD coordinates Canada's participation and is composed of 10 universities and Natural Resources Canada. More information on the CCOD, including participating members, and IODP can be found at www.iodpcanada.ca. Questions regarding the program can be directed to iodpcanada@gmail.com.

This section of your newsletter provides an opportunity to highlight your research programs to the Ocean Science Community.

*Your are invited to send contributions to David Greenberg,
davidgreenberg@alumni.uwaterloo.ca*

Mettez en valeur vos programmes de recherche en publiant un article dans cette première section de votre bulletin.

*Faites parvenir vos contributions à David Greenberg,
davidgreenberg@alumni.uwaterloo.ca*

Dr. John R. N. Lazier November 1, 1936 – March 9, 2021

We were saddened to learn of the passing of Dr. John Lazier on March 9, 2021. John was one of the original employees hired in 1960 during the establishment of the Bedford Institute of Oceanography (BIO), which opened in October 1962. He completed his M.Sc. on the physical oceanography of the Jervis Inlet system at the University of British Columbia in 1963. In the late 1960s, John moved to Southampton, UK to pursue his Ph.D. involving studies of internal waves. He returned to Halifax and BIO in October 1970 as a research scientist. John retired in 1994 after 34 years of service and continued to contribute to the broad scientific community as a DFO Emeritus Scientist until 2008.

Early in his career, John was the Chief Scientist on the winter survey of the sub polar North Atlantic Ocean. This work provided the science community with the first truly winter survey of the entire subpolar gyre. The survey data was published as an atlas and was well regarded by international scientists. This also resulted in a classic paper by John on the formation of Labrador Sea Water, which is still being referenced today.

During his career, John made major contributions to our modern understanding of the Labrador Sea and surrounding areas, including the role and variability of deep convection, and the structure and variability of the Labrador Current. These are very important to both Atlantic Canadian waters downstream, and the broader North Atlantic subpolar gyre and global ocean overturning circulation. Through his ongoing and congenial leadership of many BIO ocean expeditions, often involving visiting scientists from other leading oceanographic institutes, John made a key contribution to one of BIO's most significant programs pertaining to ocean and global climate variability (including programs like the World Ocean Circulation Experiment, WOCE).

John also co-authored a widely respected book with Ken Mann entitled “Dynamics of Marine Ecosystems” which provides a comprehensive overview of the effects of biological-physical interactions in the oceans from the microscopic to the global scale. This book was first published in 1991 and was updated in two more editions over the following fifteen years. The authors received the Government of Canada Merit Award for this work.

John was awarded the J. P. Tully medal in 1997 for his scientific contributions to Canadian oceanography. In addition to his scientific achievements, he is fondly remembered as congenial colleague and mentor of young scientists, many of whom sailed with him as Chief Scientist.

John was truly a BIO pioneer and a major force in ocean climate studies and we would encourage you to read more about his life at: <https://www.dignitymemorial.com/obituaries/halifax-ns/john-lazier-10094304>



John Lazier (left) accepting the J. P. Tully Medal from Peter Zwack at the 31st CMOS Congress in Saskatoon, SK.

Blair Greenan, Allyn Clarke and John Loder

MEETINGS

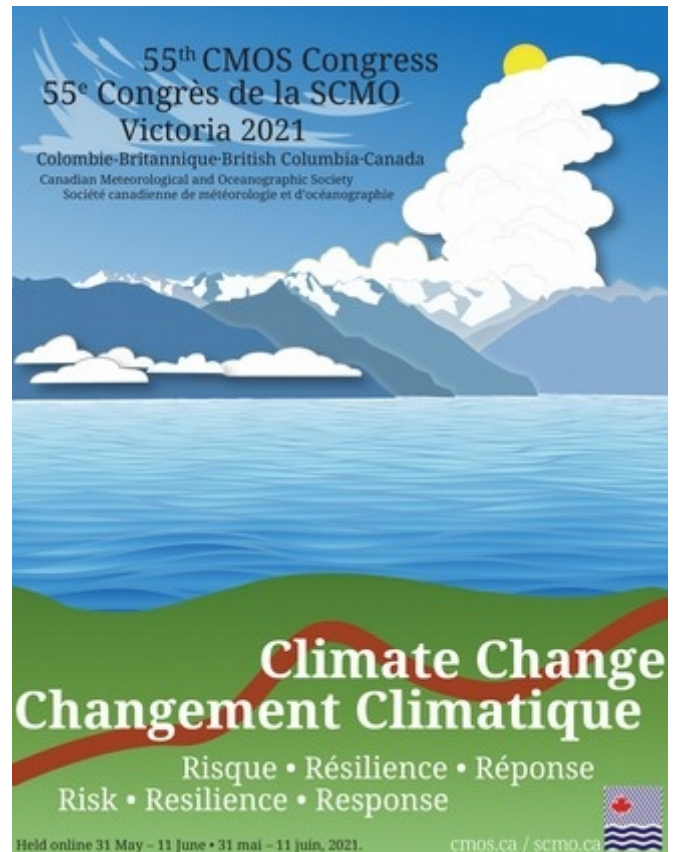
CMOS Congress 2021 - Update

31 May - 11 June, Online from Victoria, BC

[Congress 2021](#) will be presented online from May 31 to June 11, 2021. To facilitate sharing live presentations across the five time zones within Canada, the core scientific program activities will be provided from 11:30 AM to 4:00 PM Eastern Time (8:30 AM to 1:00 PM Pacific Time) each day. A Welcome Session for each day will start at 11:00 AM and on some days special events, involving networking and social interactions will continue until 6:00 PM Eastern Time.

Response to The Call for Scientific Papers resulted in a very large response of nearly 440 abstracts. This response represents the largest number of papers received for a CMOS Congress over the past several years. A detailed Scientific Program is now being prepared by Ken Denman, Scientific Program Chair, which will be posted within the next few weeks. The program will feature over 75 individual scientific sessions for Oral Papers, with five papers to be presented within 90 minute time slots along with time for questions and answers. Up to four scientific sessions will be presented concurrently in each time slot, with two such time slots each day over the 10 weekdays from May 31 to June 11, 2021. About 100 poster papers will also be presented, which will be all be available online at the start of the Congress, and brief oral presentations will be made, in two 90 minute time slots on May 31 and June 2 along with time for questions and answers to the presenters.

Congress 2021 will celebrate 150 Years of Weather Services in Canada through Symposium events being organized by MSC/ECCC with the Congress.



Registration for Congress 2021 is now open, [register here](#).

Early registration deadline **May 10, 2021**

AGU Fall Meeting 2021

December 13-17 2021, New Orleans LA USA and Online

AGU Fall Meeting 2021 is planned to be a hybrid in-person and online meeting that is based on feedback from our virtual #AGU20 and past meetings. We are actively watching advice on gathering and travel and working with local, national and international advisory groups. If



conditions and advice change and warrant a reduced in-person event, or fully virtual event again, we will inform conveners and the AGU community as soon as possible. We expect to have further updates at least by the time abstracts open for submission in mid-June

General scientific session types are based on a hybrid meeting model to reflect the location, not the type, of the session since all will include moderated discussions. If #AGU21 is a fully virtual, or reduced in-person event, all sessions will become discussion sessions, including virtual posters and will include a live virtual discussion/Q&A portion.

Call for proposals **deadline April 14.**

[Details](#)

ACCESS 2021

13-14 May 2021, online



The ACCESS Executive and 2021 organizing committee now invite you to submit your abstracts.

Registration Information

The cost for the 2021 ACCESS Virtual Conference will be \$40 for students and \$65 for professionals who register before the early bird deadline on 14 April.

The Atlantic Canada Coastal and Estuarine Science Society (ACCESS) has a proud history of offering a collegial opportunity for students and professionals in aquatic science to network and share their research. We received over 100 submissions for the 2020 conference, which was unfortunately cancelled due to the ongoing

COVID-19 pandemic. This year, we are hosting an online conference to provide a forum for connecting emerging and established scientists to share their aquatic research in the safest way possible. Pre-recorded slideshow presentations should be submitted in .mp4, .wmv, or .mov format, and are not to exceed 12 minutes. The recording should include your presentation, with your slides, voice, and any on-screen indications you would like to include (i.e. virtual laser pointer) only; please do not include video of yourself speaking. Poster submissions should be formatted with a 16x9 aspect ratio and exported as a PDF at 300 DPI.

ACCESS is a non-profit organization that is organized and operated exclusively for educational purposes. The Society is an affiliate of the Coastal and Estuarine Research Federation (www.erf.org), an international federation that has seven affiliate societies that encompass all of the coastal regions that border the United States, Canada and Mexico. The Society's membership is composed of: researchers from government, universities and colleges, and industry; graduate and undergraduate students; representatives from non-government organizations; resource managers; and individuals committed to the science of studying and managing coastal and estuarine habitats in Atlantic Canada. ACCESS covers the 5 eastern Canadian provinces: New Brunswick, Nova Scotia, Prince Edward Island, Newfoundland and Labrador, and Quebec.



Early registration **Deadline 14 April**

[Details](#)

Global OCEANS 2021

September 20-23, 2021, San Diego - Porto & virtual

OCEANS is the bi-annual event for global marine technologists, engineers, students, government officials, lawyers, and advocates. These industry thought leaders gather for four days to highlight relevant topics and current trends, while creating a community of learners and influencers who consistently advance research, practices, and policies for the marine field.



The [Marine Technology Society](#) and the [IEEE Oceanic Engineering Society](#) partner to present OCEANS, and this prestigious conference and exhibition draws an audience of more than 2,000 attendees

[Abstract submission](#) **deadline April 19 2021.**

[Details](#)

Postponed, Rescheduled

Ocean Heat, Freshwater Storage and Transports in Observations and Climate Models

Given the constraints on global travel, the workshop organizers have agreed to postpone the workshop so that we can hold the workshop in-person rather than hosting a smaller virtual meeting. Since the

GCOS • GOOS • WCRP



CoP26 will take place in Glasgow from 1-12 November 2021, we suggest aiming to hold the workshop during

Ocean Heat and Freshwater Storage

either the week off 11-15 October or 18-22 October 2021 at the UK Met Office. [Latest information.](#)

Future Directions in Basin and Global High-resolution Ocean Modelling

Ocean models are an integral part of today's ocean and climate research. Advances in high-resolution ocean modelling provide opportunities but also challenges for simulating the ocean climate system,



Helmholtz Centre for Ocean Research Kiel



particularly with the growing availability of observational measures. Due to COVID-19 the event has been postponed from 2020 to: 29.9.-1.10.2021. The new deadlines will be announced later.

[Latest information](#)

Gordon Research Conferences

GRC organizes over 395 Gordon Research Conferences and Gordon Research Seminars per year, each highlighting the latest, cutting-edge research in fields ranging from physics to neurobiology, material science and engineering, to medicine.



The Board of Trustees will not resume in-person conferences until it is safe and appropriate to do so. After careful consideration, we have made the difficult but necessary decision to withdraw the 2021 summer conference season, originally scheduled for May through August. Check the [latest schedule](#).

Please send meeting announcements to
David Greenberg,
davidgreenberg@alumni.uwaterloo.ca

SVP faites parvenir vos annonces de réunion à
David Greenberg,
davidgreenberg@alumni.uwaterloo.ca

POSITIONS AVAILABLE

Assistant Professor, tenure Track, Physical Oceanography

Physics and Physical Oceanography Department, Memorial University NL

The Department of Physics and Physical Oceanography at Memorial University of Newfoundland invites applications for a tenure-track faculty position at the rank of Assistant Professor in experimental condensed matter physics or physical oceanography. The anticipated starting date is on or after September 1st, 2021. Applicants should have a doctoral degree in an area related to physics or physical oceanography, postdoctoral experience in a relevant area, and an established publication record. The successful applicant will be required to develop an internationally recognized and externally funded research program and to teach at the undergraduate and graduate levels.



Memorial
University of Newfoundland

The Department currently has externally funded research programs in quantum materials, magnetism, soft and biological materials, statistical mechanics, laser spectroscopy, sensors, photonics, numerical modeling and simulation, laboratory fluid dynamics, and physical oceanography. More information about the Department is available on the Department's web site: www.mun.ca/physics. The successful applicant's research program should complement the broad interests of the Department.

Deadline May 15, 2021

[Details](#)

Trois Professeures ou Professeurs

Institut des sciences de la mer de Rimouski (UQAR-ISMER)

Océanographie biologique avec spécialité en écologie du phytoplancton

La personne choisie devra être spécialisée en écologie du phytoplancton. Les domaines d'expertise recherchés sont l'écologie phytoplanctonique, les outils moléculaires, incluant les approches omiques, pour l'étude de la biodiversité, l'étude de la biodiversité phytoplanctonique marine, diversité spécifique et fonctionnelle et l'écologie marine. **Date limite 5 juillet 2021.** [Les informations](#)



Université du Québec à Rimouski
Institut des sciences de la mer de Rimouski

Océanographie chimique avec spécialité dans le développement des biomarqueurs

Les domaines d'expertise recherchés sont la chimie marine avec un intérêt pour les biomarqueurs et leur développement de l'échelle moléculaire à l'organisme, les outils moléculaires ou isotopiques, le continuum terre-mer, les changements environnementaux et climatiques à différentes échelles temporelles et spatiales. **Date limite 5 juillet 2021.** [Les informations](#)

Acoustique marine

La personne sélectionnée développera des travaux de recherche dans le cadre du projet de station de recherche en acoustique marine (projet MARS) récemment financé par Transports Canada, le ministère de l'Économie et de l'Innovation du Québec et plusieurs autres partenaires. Ce projet de recherche conjoint entre l'ISMER-UQAR et Innovation maritime (IMAR) consiste à implanter et à opérer une station de recherche acoustique sous-marine internationale sur le Saint-Laurent au large de Rimouski afin de documenter l'effet des navires sur l'environnement sonore du Saint-Laurent, mais aussi de proposer des moyens concrets pour diminuer le bruit des navires. **L'analyse des candidatures débutera dès maintenant** et se poursuivra jusqu'à ce que le poste soit pourvu. [Les informations](#)

Postdoctoral Fellowship Position

University of New Brunswick, Saint John NB

Applications of Passive Acoustic Monitoring for Dynamic Management of Whale-Vessel Strike Risk



The Davies Lab at the University of New Brunswick in Saint John, Canada, invites applications for a Postdoctoral Fellowship. Research in our lab is highly interdisciplinary, bridging oceanography, ecology and applied conservation science. Our lab is partnering with Transport Canada to study the application of autonomous underwater gliders equipped with real-time passive acoustic monitoring devices to monitor baleen whales, especially North Atlantic right whales, in shipping lanes, as well as study the performance of this system to trigger dynamic management protocols. We are seeking a Fellow with background, expertise and/or interest in marine bioacoustics, oceanography, statistics, physics or engineering to work with the Davies Lab on this project. The Fellow will have the opportunity to learn real-time whale passive acoustic monitoring tools and techniques, glider technologies, and cetacean management strategies. They will also have the opportunity to work with several partners in government, NGO and academic communities and contribute directly to the conservation and recovery of the North Atlantic right whale. **Review of applications will begin on April 15, 2021** and continue until a suitable candidate is found.

[Details](#)

Kimberley Davies is the 2017 CNC-SCOR [Early Career Ocean Scientist Award winner](#).

Principal Engineer

Monterey Bay Aquarium Research Institute, Moss Landing CA USA

MBARI seeks a Principal Engineer (PE) to advance collaborative projects that meet the objectives set forth in the Technology Roadmap and Strategic Plan. Focal areas include the definition and development of technologies to observe and characterize marine chemical, biological, and geological systems. The development of novel observation, analytical, and computational methods that advance an understanding of the interplay between abiotic and biotic components in marine ecosystems is of interest. Located in Moss Landing, California, the heart of the Monterey Bay National Marine Sanctuary, MBARI offers ready access to the open ocean and deep-sea, and embodies a balanced emphasis on science and engineering. Ongoing research programs range across autonomous and remotely operated underwater vehicle systems, control technologies, ocean physics, chemistry, geology, biology, ocean instrumentation, and information management.



[Details](#)

Looking for work? Try the CMOS site ([click](#)).

Vous recherchez un emploi? Visitez le site SCMO ([click](#)).

GENERAL

Call for SCOR Working Group Proposals

SCOR working groups are established to promote international collaboration in interdisciplinary ocean science. Among the suggested guidelines:

- SCOR WG proposal can be in ANY field of ocean science.
- The topic should be global in scope. Some past working groups have focused on regional topics but, when they do, the regional topic has global consequences.
- The topic should represent novel science or scientific activities that are unlikely to be supported through national sources.
- The group's membership should include no more than 10 Full Members and 10 Associate Members, with no more than two from a single country and no more than one from a single institution. SCOR pays specific attention to gender balance and inclusion of members from developing and countries with emerging economies. The proposed membership should include at least one Full Member who is an early-career scientist (less than 10 years post-Ph.D. and under 40 years of age).
- The group's work is intended to be completed in 4 years or less.

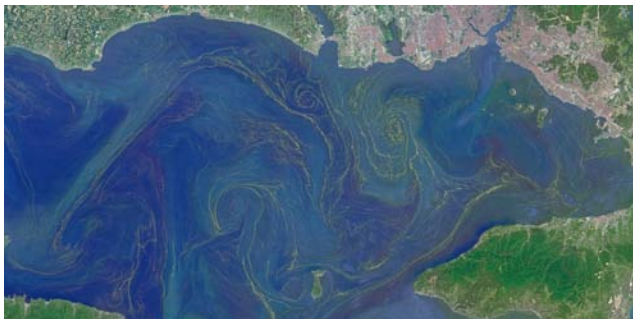


The SCOR Secretariat will accept proposals for new working groups from now until 12:00 p.m. UCT on 30 April 2021. The guidelines, a template, and word limits are available at http://www.scor-int.org/SCOR_WGs_Proposal_Instructions.htm, including a PowerPoint presentation explaining the proposal process. Each proposal will be evaluated by national SCOR committees in terms of scientific merit and quality, timeliness, and achievability of the proposed terms of reference. National SCOR committees are an important aspect of SCOR's operation and play a key role in reviewing working group proposals and in seeking new funds to support working group activities. In addition, the review of working group proposals is open worldwide to partner organizations and individuals who would like to provide comments.

Questions about the working group process can be addressed to Patricia Miloslavich - patricia.miloslavich@scor-int.org.

About SCOR

The International Council for Science (ICSU) formed the Special Committee on Oceanic Research (SCOR) in 1957 to help address interdisciplinary science questions related to the ocean. SCOR was the first interdisciplinary body formed by ICSU. SCOR's name was later changed to "Scientific Committee on Oceanic Research" to reflect its more permanent status. SCOR is an international non-governmental non-profit organization. The SCOR Secretariat is SCOR is incorporated in the State of Maryland (USA) and the Secretariat is hosted at the University of Delaware.



SCOR activities focus on promoting international cooperation in planning and conducting oceanographic research, and solving methodological and conceptual problems that hinder research. SCOR covers all areas of ocean science and cooperates with other organizations with common interests to conduct many SCOR activities. SCOR also conducts several different activities to build the capacity for ocean science in developing countries and every SCOR activity includes members from developing countries. Scientists from thirty-two nations have formed national SCOR committees as a foundation for international SCOR. Approximately 250 scientists from 38 countries currently participate in SCOR activities.

Besides [Working Groups](#), SCOR activities include [Large-Scale Ocean Research Projects](#), [Support of Ocean Science Infrastructure](#), [Capacity Development](#) and [Publications](#).

The Steacie Prize - Le Prix Steacie

The Steacie Prize is a Canadian award of \$10,000 presented once a year to a scientist or engineer of 40 years of age or less for outstanding scientific research carried out in Canada. To compete for this prize, a person must be nominated by a colleague. The winner is selected by a distinguished panel appointed annually by the E.W.R. Steacie Memorial Fund, a private foundation dedicated to the advancement of science and engineering in Canada.

Nomination deadline: June 30, 2021

Details: <https://www.steacieprize.ca>



Le Prix Steacie est une récompense canadienne de 10 000 \$ remise une fois l'an à un scientifique ou un ingénieur âgé d'au plus 40 ans pour son recherche scientifique exceptionnel effectué au Canada. Pour être admissible à ce prix, il faut être mis en nomination par des collègues. La ou le récipiendaire est choisi par un comité de spécialistes nommés à chaque année par la Fondation E.W.R. Steacie, une fondation privée qui se consacre à l'avancement des sciences et du génie au Canada

La date limite pour les nominations: 30 juin 2021

Détails: <https://www.steacieprize.ca>

Huntsman Medal Nominations Open

The A.G. Huntsman Medal is awarded to those men and women, of any nationality, who have had and still have a significant influence on the course of marine scientific thought; for unequalled excellence in their respective fields; for the influence of their work on the course of scientific thought in their respective fields; and for their continuing and current activities at the forefront of their respective fields.

The A.G. Huntsman Award reflects the multi-faceted nature of research in the world's oceans. From 1980 to 2013, the Award was presented annually in one of three categories – Marine Geoscience, Physical/Chemical Oceanography, and Biological Oceanography and Fisheries Science – except in its inaugural year when recipients were honoured in all three. To mark its 25th Anniversary in 2005, the Award was again presented in all three of the above categories, as well as in the category of Interdisciplinary Marine Science. Since 2014, the category distinctions have been dropped in recognition that many facets of marine science are multi-disciplinary or interdisciplinary in character.

The **deadline** for receipt of letters-of-intent is **March 31, 2021**. For details, please visit www.HuntsmanAward.org, the [nomination page](#) and the [nomination form](#) in printer-friendly format.



The 2021 Call for POGO-SCOR Fellowships is open!

The Partnership for Observation of the Global Ocean (POGO) and Scientific Committee on Oceanic Research (SCOR) are pleased to announce that the POGO-SCOR Visiting Fellowship programme for 2021 is now open for applications.

The deadline for applications is 30 April 2021.

The scheme is designed to promote training and capacity development, leading towards a global observation scheme for the oceans, and is aimed at scientists, technicians, graduate students (preferably PhD) and post-doctoral fellows involved in oceanographic work at centres in developing countries and countries with economies in transition.



Priority is given to applicants in the early stages of their career development. The fellowship offers the opportunity to visit other oceanographic centres for a short period (1 to 3 months) for training on aspects of oceanographic observations, analyses, and interpretation. It provides financial support to cover the return airfare from the fellow's home country to the host institution, and a contribution towards accommodation and subsistence for the period of the visit.

For more information and details on how to apply please see:

<https://pogo-ocean.org/capacity-development/pogo-scor-fellowship-programme/>

All applications should be made via the marine training.eu website:

<https://marinettraining.eu/node/4613>

Please [e-mail pogoadmin@pml.ac.uk](mailto:pogoadmin@pml.ac.uk) should you have any queries and feel free to circulate this announcement to anyone you think might be interested.

Canadian Ocean Science Newsletter Le Bulletin Canadien des Sciences de l'Océan

Previous newsletters may be found on the [CNC-SCOR](http://www.cncscor.ca) web site.

Newsletter #118 will be distributed in **May 2021**.

Please send contributions to David Greenberg
davidgreenberg@alumni.uwaterloo.ca

Subscribing and Unsubscribing

If you wish to subscribe to this newsletter or cancel your subscription, please visit the website:

<http://www.mailman.srv.ualberta.ca/mailman/listinfo/cnc-scor>

Les [bulletins](http://www.cncscor.ca) antérieurs se retrouvent sur le site web du [CNC-SCOR](http://www.cncscor.ca).

Le Bulletin #118 sera distribué en **mai 2021**.

Veuillez faire parvenir vos contributions à David Greenberg, davidgreenberg@alumni.uwaterloo.ca

Abonnement et désabonnement

Si vous souhaitez vous abonner à cette newsletter ou annuler votre inscription, veuillez visiter le site web:

<http://www.mailman.srv.ualberta.ca/mailman/listinfo/cnc-scor>

CNC-SCOR

Members/ Membres

Paul Myers – Chair (U Alberta)
Rob Macdonald – Past Chair (DFO-IOs)
David Greenberg – Secretary (DFO-BIO)
Markus Kienast (Dalhousie)
Michael Scarratt (DFO-IML)
Paul Snelgrove (Memorial)
Stephanie Waterman (UBC)
David Fissel (ASL)

Le Comité national canadien du Comité scientifique de la recherche océanographique (SCOR) favorise et facilite la coopération internationale. Il reflète la nature multidisciplinaire de la science océanique et de la technologie marine.

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