

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

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OCEAN SCIENCE NEWS

MORI - Modular Ocean Research Infrastructure

From the [MEOPAR press release](#)

Canadian scientists have a vast amount of ocean real estate to explore and limited access to the vessels that can get them there. MEOPAR's possible solution to this challenge is Modular Ocean Research Infrastructure (MORI)—an alternative pathway to sophisticated vessel-based research and an opportunity for scientists and the private sector to work together to advance our understanding of the ocean.

The MORI concept imagines a modular system of transportable, interoperable laboratories and research infrastructure that can be used in various combinations on a range of non-specialized vessels. This portable equipment can temporarily transform industry workhorse vessels, like the Atlantic Condor, into complex research vessels, combining custom scientific infrastructure with the extensive offshore expertise of industry crews. MORI's creative approach also has the potential to be more flexible, economical and scalable than purchasing or building a new fleet of specialized research vessels.



Irving Shipbuilding is supporting the construction of the portable MORI marine labs with \$2 million in funding as part of the company's Industrial and Technical Benefits commitment under the National Shipbuilding Strategy. To date, Irving Shipbuilding has committed more than \$20 million in Value Proposition investments toward creating a sustainable marine industry across Canada. In addition to this funding, MEOPAR has committed a \$1 million contribution to research cruise support.



Amongst the technology and equipment mobilized onboard the Atlantic Condor is a custom A-frame assembly designed and manufactured by a team of 75 at Hawboldt Industries in Chester, Nova Scotia. Typically used for launching and recovering remotely operated vehicles (ROVs) in the deep ocean, this unit was modified by Hawboldt to specifically accommodate the unique scientific requirements of the research mission. During the voyage, the A-frame was used extensively for deploying several highly sophisticated

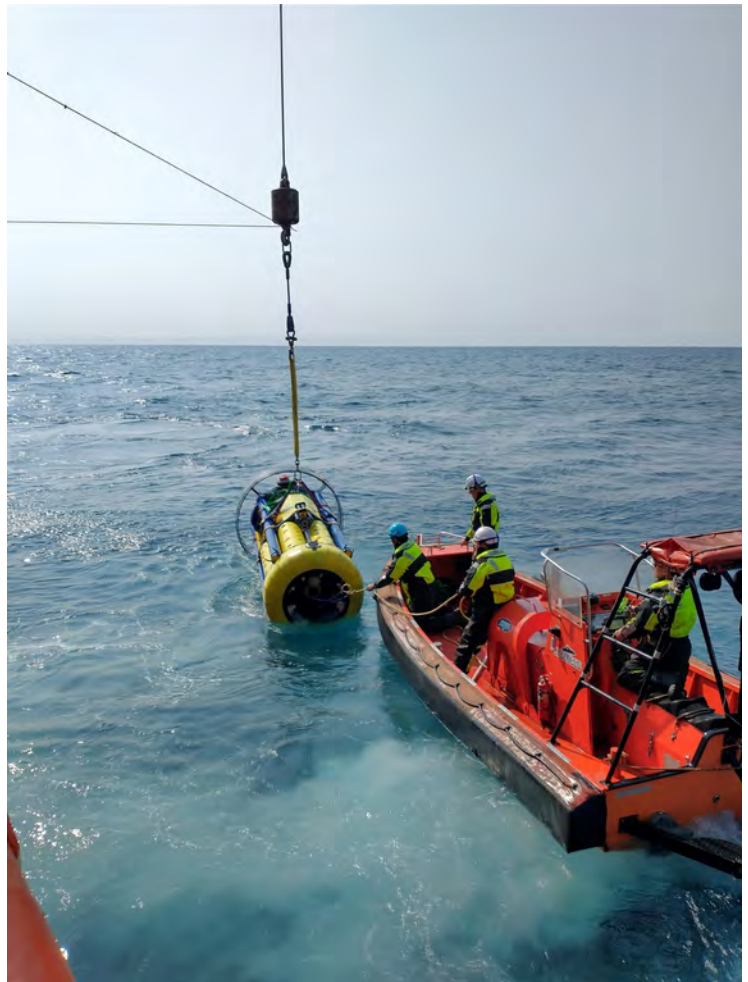
oceanographic instrumentation packages that will help scientists better understand our dynamic ocean environment.

A shining example of collaboration in action, MORI's demonstration and development phase is bringing together partners from industry, academia and government—and supporting scientific research from across Canada. It's a glimpse of how the national coordination of access to sea-going research infrastructure could benefit people spanning sectors, disciplines and regions.

Dalhousie University's Dr. Dariia Atamanchuk relies heavily on access to research vessels to answer the questions that drive her work. Since 2016, she and the CERC Ocean group at Dalhousie have been studying interactions between atmosphere, sea surface, and deep ocean in the North Atlantic, using an underwater profiling platform called the SeaCycler to measure the chemical, physical, and biological properties of seawater.

Motivated by the need to better understand what is responsible for massive carbon dioxide uptakes in the region—a process that regulates the Earth's climate—the group recently added new sensors to the SeaCycler and designed a new carbon-focused mooring, which will allow it to exchange information acoustically and send data to shore via satellite. And they needed to test them.

As part of MORI's inaugural season, Atamanchuk was able to lead a 10-day cruise on the Atlantic Condor, where the team collected water samples and deployed moorings on the Scotian Shelf as part of the Ocean Frontier Institute's Northwest Atlantic Biological Carbon Pump project. Their ability to test the SeaCycler's capabilities in these conditions was crucial to its future success, and the data collected will help prepare them for an upcoming deployment in the Labrador Sea.



[More](#) about [the Atlantic Condor](#)

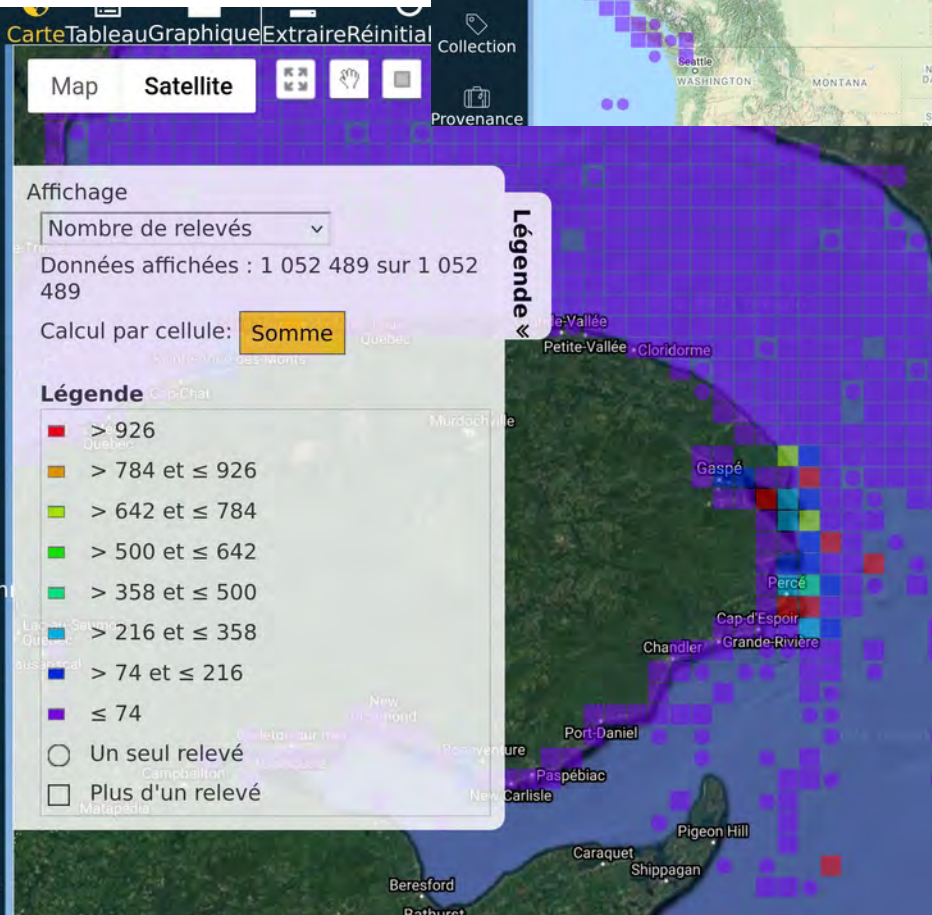
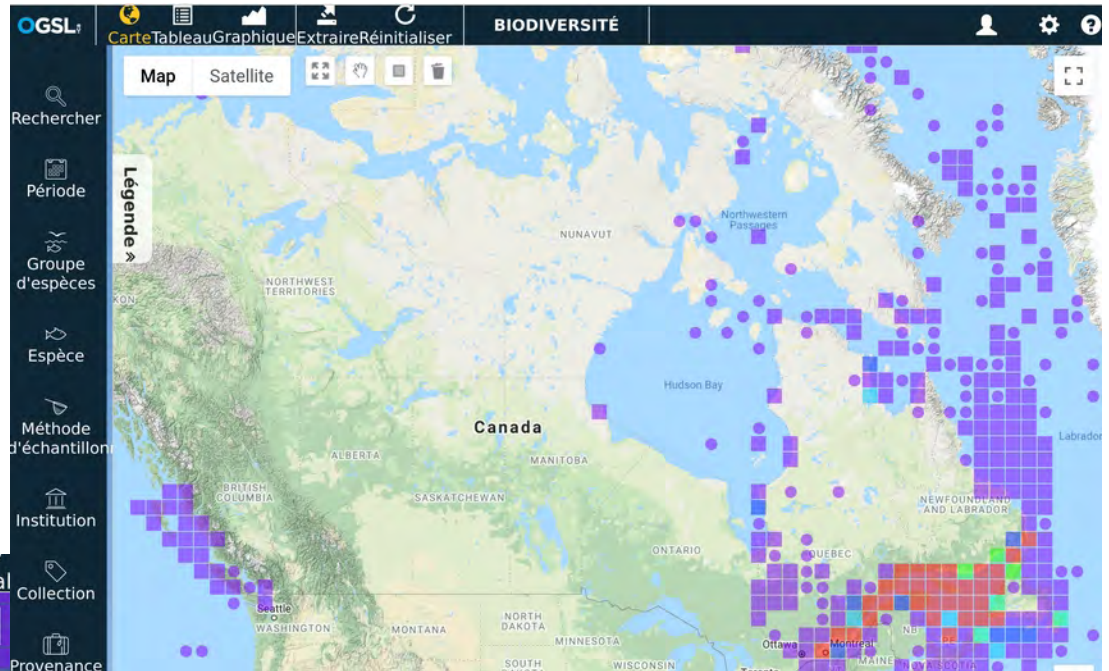
L'OGSL - Les données ouvertes du Saint-Laurent

L'OGSL oeuvre à dresser un portrait multidisciplinaire du Saint-Laurent, grâce à son riche réseau de plusieurs partenaires.

L'Observatoire global du Saint-Laurent (OGSL) est une plateforme web ouverte, rendant accessible à tous les données et informations nécessaires à la compréhension et à la gestion efficace de l'écosystème du Saint-Laurent, des Grands Lacs au Golfe. L'OGSL accompagne ses membres, de la gestion des données à leur diffusion dans des outils de visualisation spécialisés.

Parmi les outils de visualisation spécialisés:

Biodiversité - La présence, l'abondance et la distribution d'espèces vivantes du fleuve, de l'estuaire et du golfe du Saint-Laurent. [Explorer la biodiversité du Saint-Laurent](#)



OGSL | Carte | Tableau | Télécharger Centre Contrôle | **CONDITIONS MARITIMES** | [User Icon] [Settings Icon] [Help Icon]

Marégraphie

Fournisseur	Service hydrographique du Canada - MPO
Station	Rivière-au-Renard (02330)
Données de la station	
Tableau de bord	
Type	Marégraphie
Position	48° 59.82' N 64° 22.83' O
Date/Heure (local)	2021-11-04 16:30
Eau - Niveau (m)	1.77
Eau - Niveau prédit (m)	1.744
Eau - Niveau prévu	1.766

Conditions maritimes - Accès à de l'information sur une multitude de paramètres physicochimiques et météorologiques, du niveau d'eau à la vitesse du vent. [Les conditions du Saint-Laurent en temps réel](#)

OGSL | Navigation 2 (Beta) | [Help Icon] [Fr]

Area conditions and forecasts
Latitude 47.293, Longitude -70.375
Thu 2021-11-04 16:00

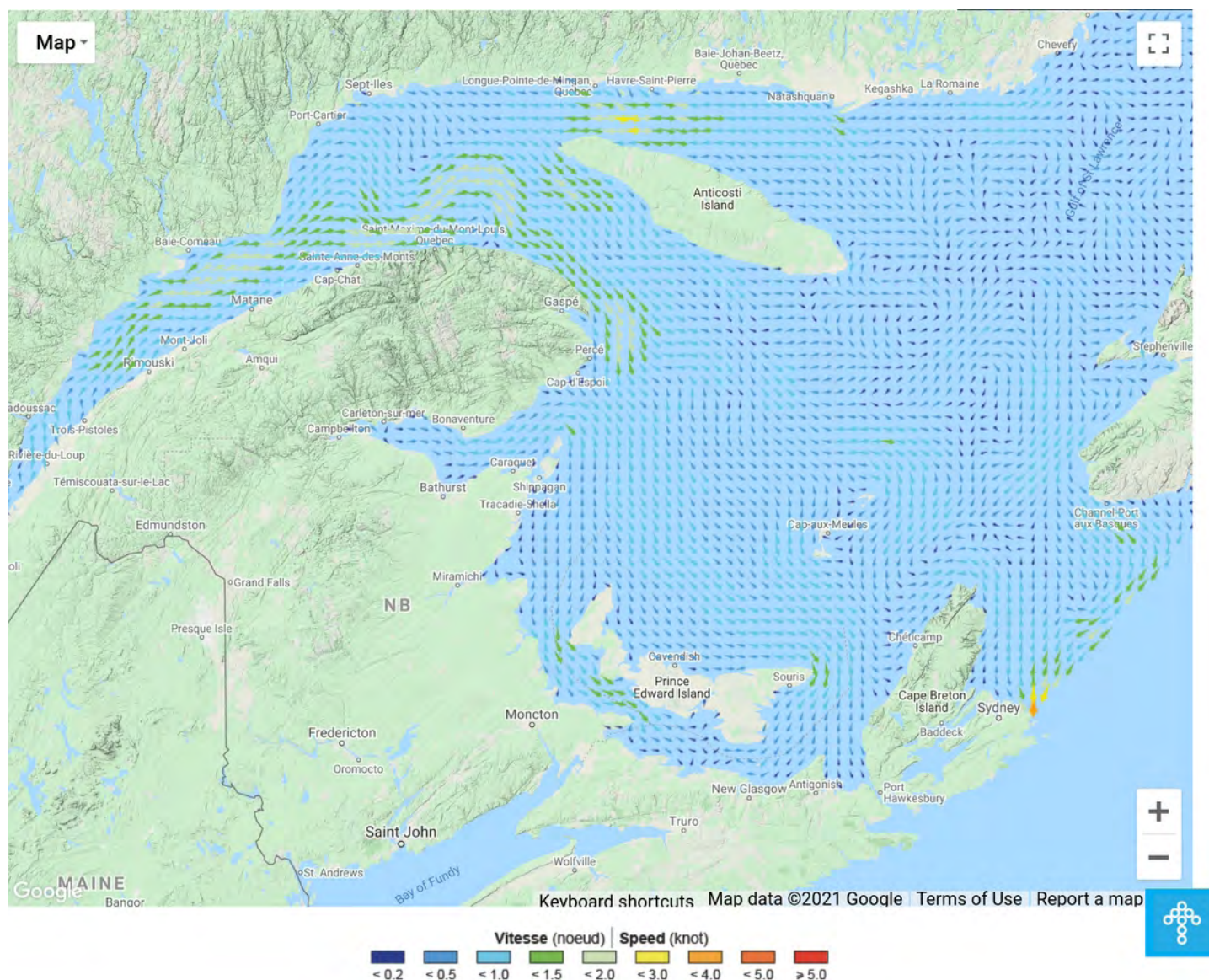
Currents	
Velocity	2.69 knots
Direction	-167 degrees

Vitesse (nœuds)
0 1 2 3 4 5 6 7

Today's tides			
Saint-Jean-Port-Joli 11 km of distance			
Hour	height (m)	height (ft)	
0:02	0.457	1.5	⬇️
5:58	5.208	17.09	⬆️
12:16	0.509	1.67	⬇️
18:14	5.669	18.6	⬆️

Atmospheric data	
Charlevoix à 20 km de distance	
Jeu 2021-11-04 15:00	
Temperature	-1.5 °C
Wind	10 km/h
Direction	SSE

Marine forecast



Prévisions océaniques - Les prévisions de courants de surface, de température de surface et de glace du golfe du Saint-Laurent. [Planifier votre navigation grâce aux prévisions](#)

Prix du CNC du SCOR pour océanographe en début de carrière Nominations demandées

Le prix pour océanographe en début de carrière est présenté à un océanographe ou à un spécialiste de la mer pour sa contribution exceptionnelle, en début de carrière, aux sciences de la mer (au sens large), au Canada. Le prix est octroyé soit pour un article ou une étude ponctuelle qui contribue de façon déterminante aux sciences marines, soit pour des travaux de longue haleine de haute qualité et qui apportent une contribution globale exceptionnelle.



- Le prix : le lauréat recevra une plaque commémorative avec son prix et aura la possibilité de se rendre (avec inscription, frais de résumé et [Stephanie Waterman 2016](#))

voyage fournis par le CNC du CSRO) au prochain Congrès de la SCMO pour recevoir son prix et présenter un article.

- Obligations du lauréat :
 - Si le lauréat décide de se rendre au prochain Congrès de la SCMO, il remerciera le CNC du CSRO lors de sa présentation au Congrès de la SCMO.
 - Il sera également invité, sans y être obligé, à fournir un court article d'une à deux pages sur ses recherches pour le *Bulletin canadien des sciences de l'océan*.
 - En outre, si cela présente un intérêt pour le lauréat, celui-ci sera invité à siéger au comité du CNC du CSRO pendant un an, à compter du Congrès de la SCMO associé à son prix.
- Histoire du prix : le prix a été décerné pour la première fois en 2016. Y sont admissibles les candidats qui ont obtenu leur doctorat il y a moins de 10 ans et qui sont des Canadiens travaillant au [Kim Davies](#) 2017 Canada ou à l'étranger, ou des résidents permanents (notez que les périodes de congé, parental ou médical, par exemple, prises au cours de ces dix années, ne comptent pas, du moment que des preuves sont fournies). Le candidat peut travailler dans n'importe quel secteur des sciences de la mer : universitaire, gouvernemental, industriel, non gouvernemental, etc.
- Directives pour les nominations au prix :
 1. Les nominations doivent parvenir le **15 janvier** au plus tard, par courriel, au secrétaire du CNC du CSRO à davidgreenberg@alumni.uwaterloo.ca afin de pouvoir être considérées par le comité de sélection. Un accusé de réception sera envoyé si le candidat le demande.
 2. Le CNC du CSRO évaluera les nominations.
 3. Les nominations devront inclure une lettre de nomination soulignant les mérites du candidat (2 pages, maximum), deux à quatre lettres de soutien et un curriculum vitae à jour du candidat.



[Kim Davies](#) 2017



[Daniel Boyce](#) 2018

Les nominations qui n'auront pas été retenues seront prises en compte [Daniel Boyce](#) 2018 (et pourront être mises à jour) au cours des trois années subséquentes, ou moins, si le délai de dix ans est passé.

CNC-SCOR Early Career Ocean Scientist Award Nominations Requested

The Early Career Ocean Scientist Award is presented to an early career oceanographer/marine scientist for an outstanding contribution to marine sciences (in the broadest sense) within Canada. The award can be based on a single work/paper that provides a seminal contribution to the field, or ongoing work at a sufficiently high level of excellence that provides an outstanding overall contribution.

- The Award: The award winner will receive a plaque with the award, and will be provided the option to travel (with



[Cathryn Clarke Murray](#) 2019

registration, abstract fee and travel provided from CNC-SCOR) to the upcoming CMOS congress to receive the award and present a paper.

- Obligations of winner:
 - If the winner decides to travel to the upcoming CMOS Congress, they will acknowledge CNC-SCOR on their presentation at the CMOS-Congress.
 - The winner will also be asked, but is not obligated, to provide a short 1 to 2 page article on their research for the Canadian Ocean Sciences Newsletter.
 - Additionally, if of interest to the winner, the award winner will be invited to sit on the CNC-SCOR committee for 1 year beginning with the CMOS Congress associated with their award.
- History of the Award: The award will be presented for the first time in 2016. It is open to candidates (Canadians, working in Canada or overseas, or permanent residents) who are within 10 years of completion of their Ph.D. (note that periods of leave (e.g., parental, health) during this period do not count against the 10 year duration, provided appropriate documentation is provided). The candidate can work in any area of marine sciences, including academia, government, industry, NGO's, etc.
- Award Nomination Instructions:



[Louis-Phillippe Nadeau](#)
2020

1. Nominations are to be received no later than **15 January**, by email to the CNC -SCOR secretary: davidgreenberg@alumni.uwaterloo.ca to be considered by the selection Committee. Receipt of submissions will be provided if requested.
 2. Nominations will be adjudicated by the CNC-SCOR committee
 3. Nominations will require a nomination letter highlighting the nominee's merits (maximum 2 pages), plus 2-4 supporting letters as well as an up to date CV of nominee
- Nominations not selected for the award in previous years will be maintained active for three subsequent years (although they can be updated) or until the 10-year deadline has passed.



[Xianmin Hu](#) 2021

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*

MEETINGS

CMOS Congress 2022 [online](#)

June 1-3, 6-8, 2022



Congress 2022 is organized by CMOS Saskatchewan

ranges from discovery that pushes the boundaries of our understanding, to the provision of climate, water, weather, oceanic and geophysical services (including policy and regulation development), and even extends to the development of the effective mechanisms for the delivery of services to stakeholders and the users of our work. We hope that this Congress will help maintain and sharpen the focus of our broad professional community on the science while also paying specific attention to the specific needs of our users.

The Canadian Meteorological and Oceanographic Society (CMOS) 56th Congress, the Canadian Geophysical Union (CGU) Annual Meeting, and the 78th Eastern Snow Conference (ESC) will be held jointly over a 6-day period, 1-3 June 2022 and continuing 6-8 June 2022. Due to the continuing impact and uncertainty caused by the COVID-19 pandemic, the joint meetings will be held using a virtual (on-line) format. More detailed information will be posted as it becomes available on the Congress website.

The theme of our joint meeting is "Science Serving Society", recognizing that the science we all do provides an essential service to our society. This



Eastern Snow Conference

Proposals for scientific sessions are being invited for all areas of CMOS, CGU, and ESC interest. Please submit your session proposal for a special session through the CMOS website at https://cmos.ca/site/congress/sessions_submission?nav=sidebar. The proposal should include the



session title (up to 40 characters), contact information about the session conveners (at least 2 needed due to the virtual nature of the conference), and a short paragraph of up to 300 words describing the scientific content of the proposed session. All

session proposals should be **received by 17 December 2021** for consideration by the Scientific Program Committee. The preliminary list of sessions will be used in the Call for Abstracts, which will be issued on 10 January 2022.

[Website](#) [Session Proposals](#) [Proposal Submission](#)

Congrès SCMO 2022 en ligne

1-3, 6-8 juin 2022



Le Congrès 2022 est organisé par SCMO Saskatchewan

Le 56e congrès de la Société canadienne de météorologie et d'océanographie (SCMO), la réunion annuelle de l'Union géophysique canadienne (UGC) et la 78e Conférence de l'Est sur la neige (CEN) se tiendront conjointement sur une période de 6 jours, du 1er au 3 juin 2022 et continueront du 6 au 8 juin 2022. En raison de l'impact et de l'incertitude persistants causés par la pandémie de COVID-19, les réunions conjointes se tiendront en utilisant un format virtuel (en ligne). Des informations plus détaillées seront affichées dès qu'elles seront disponibles sur le site Web du Congrès.

Le thème de notre réunion conjointe est « La science au service de la société », reconnaissant que la science que nous faisons tous fournit un service essentiel à notre société. Cela va de la découverte qui repousse les limites de notre compréhension à la fourniture de services climatiques, hydrologiques, météorologiques, océaniques et géophysiques (y compris l'élaboration de politiques et de réglementations), et s'étend même au développement de mécanismes efficaces pour la prestation de services aux parties prenantes et les utilisateurs de notre travail. Nous espérons que ce congrès aidera à maintenir et à affiner l'attention de notre vaste communauté professionnelle sur la science tout en accordant une attention particulière aux besoins spécifiques de nos utilisateurs. Des propositions de sessions scientifiques sont sollicitées pour tous les domaines d'intérêt CMOS, UGC et CEN.



Eastern Snow Conference

Veillez soumettre votre proposition de session pour une session spéciale sur le site Web de la SCMO à https://cmos.ca/site/session_submission?language=fr_CA. La proposition doit inclure le

**LA SCIENCE AU SERVICE
DE LA SOCIÉTÉ**

titre de la session (jusqu'à 40 caractères), les coordonnées des organisateurs de la session (au moins 2 sont nécessaires en raison de la nature virtuelle de la conférence) et un court paragraphe de

300 mots maximum décrivant le contenu scientifique de la séance proposée. Toutes les **propositions de session** doivent être **reçues avant le 17 décembre 2021** pour examen par le Comité du programme scientifique. La liste préliminaire des sessions sera utilisée dans l'appel à résumés, qui sera publié le 10 janvier 2022.

[Site Web du Congrès](#) [Les propositions de session](#) [Soumission des propositions de session](#)

Ocean Sciences Meeting Switched to Online

Feb 27 - March 4 2022

More than 5,300 ocean specialists from over 75 different countries submitted abstracts for OSM22.

From the FAQ:

Q: What is the format for OSM 2022?

A: In late October 2021, the decision was made to hold OSM 2022 as an entirely virtual event.

Q: Why is OSM 2022 virtual?

A: OSM 2022 organizers learned in late October that restrictions on holding conferences in Hawaii will remain in place until at least November 20, 2021 and will be reviewed at that time. These restrictions do not allow a conference the size of OSM to be held. Additionally, strict protocols regarding vaccination, testing, and quarantine remain in effect as part of the Safe Travels Hawai'i program. These restrictions could make it difficult or even impossible for international attendees to travel for the meeting. While we respect these measures that local authorities have implemented to protect the health of residents and visitors, the safety restrictions make it impossible to hold an event of our size in the state.

OSM 2022 Organizers understand that this decision is frustrating and disappointing for many who had planned to attend in-person. However, the Organizers are working toward a seamless transition for attendees into a virtual conference, planning many engaging virtual events within and alongside the scientific program.

[Website](#)

Registration opens December 2021



ICES PICES Early Career Scientist Conference

9-12 May 2022, St. John's, NL

To encourage greater involvement of young scientists in international scientific investigations and to foster their role in the management and stewardship of the marine environment, the [International Council for the Exploration of the Sea \(ICES\)](#) and the [North Pacific Marine Science Organization \(PICES\)](#) are proud to announce the fourth Early Career Scientist Conference in May 2022 hosted by [Fisheries and Oceans Canada \(DFO\)](#) in St. John's, Newfoundland.

Through this conference, early career scientists will have the opportunity to meet colleagues from around the globe who share similar interests and an enthusiasm to improve equality and diversity in marine science. The conference aims to foster the development of contacts, collaborations, and associations among early career scientists that will persist for decades, and to establish personal and institutional networks that will help to advance our understanding of the marine environment.

The theme, *Ocean sciences for the future we want*, links to the [UN Decade of Ocean Science for Sustainable Development 2021-2030](#) and the important role early career scientists play in the current and future health of our oceans and coasts for the benefit of humanity.

[Website](#)

Deadline - Abstract submission and Pre-registration Dec 17 2021



ICES
CIEM



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Year of Polar Prediction Final Summit

May 1-4, 2022, Montréal, QC

The Year of Polar Prediction (YOPP) Final Summit will take place at the Centre Mont-Royal, Montréal, Québec, Canada on 1-4 May, 2022 to review progress, share key findings and success stories, and discuss and shape the legacy of the Polar Prediction Project. The summit will bring together polar science experts from operational prediction centres, academia and research institutes, government, and corporate representatives as well as northern communities and users of polar prediction services.



The YOPP is the flagship activity of the [WWRP Polar Prediction Project \(PPP\)](#), with the aim of enabling a significant improvement in environmental prediction capabilities for the polar regions and beyond, by coordinating a period of intensive observing, modelling, verification, user-engagement and education activities.

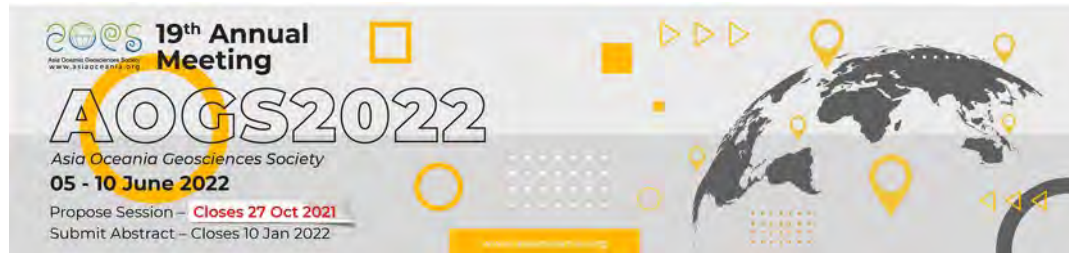
[Website](#)

Deadline Early Registration February 15, 2022

AOGS2022

June 5-20 2022, Oahu, HI, USA

Asia Oceania Geosciences Society (AOGS) was established in 2003 to promote geosciences and its application for the benefit of humanity, specifically in Asia and Oceania and with an overarching approach to global issues. Asia Oceania region is particularly vulnerable to natural hazards, accounting for almost 80% human lives lost globally. AOGS is deeply involved in addressing hazard related issues through improving our understanding of the



genesis of hazards through scientific, social and technical approaches. AOGS holds annual conventions providing a unique opportunity of exchanging scientific knowledge and discussion to address important geo-scientific issues among academia, research institution and public. Recognizing the need of global collaboration, AOGS has developed good co-operation with other international geo-science societies and unions such as the European Geosciences Union (EGU), American Geophysical Union (AGU), International Union of Geodesy and Geophysics (IUGG), Japan Geo-science Union (JpGU), and Science Council of Asia (SCA).

AOGS will deliver the 2022 annual meeting based on current COVID-19 restrictions in Hawaii and worldwide. Although planned to be an in-person meeting, the actual meeting format may vary.

[Website](#)

[Abstract submission](#) **Deadline Jan 10, 2022**

*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 of Teaching in Geological Engineering

Earth, Ocean and Atmospheric Sciences, UBC

The Department of Earth, Ocean and Atmospheric Sciences (EOAS) at the University of British Columbia (UBC) invites applications for a full-time, tenure-track position as an Assistant Professor of Teaching in Geological Engineering. The position provides the opportunity to pursue a career based on excellence in teaching and educational leadership in one of the top programs of its kind.

The successful candidate will teach core subjects in geological engineering, including geology for engineers and site investigation, and will oversee a fourth-year capstone engineering design project course. Applicants must possess a Master's degree or PhD, and be eligible for registration as a Professional Engineer in the Province of British Columbia (see EGBC). Candidates are also expected to have industry design experience in one or more areas related to geological engineering, and competence in geological science and its application to engineering challenges. The position requires effective communication skills and a commitment to educational leadership in creating innovative instructional environments in the classroom, laboratory, online, and field settings. The successful candidate will be expected to participate in management of the Geological Engineering Program, including course and curriculum development, and will work with EOAS and UBC peers in the Education Leadership professorial stream to advance the university's teaching and learning mandates.

Questions should be directed by email to the Search Committee Chair, Professor Erik Eberhardt, geoengsearch@eoas.ubc.ca.

[Details](#)

Deadline: January 9, 2022



Junior Professorship in Physical Oceanography

GEOMAR Helmholtz Centre for Ocean Research, Kiel, Germany

The Faculty of Mathematics and Natural Sciences at Kiel University, Germany, and GEOMAR Helmholtz Centre for Ocean Research Kiel jointly invite applications for a Junior Professorship (W 1) in Physical Oceanography with temporary civil service status for an initial period of four years (first phase) to start at the earliest possible time.

The future job holder will represent the field of physical oceanography in research and teaching. The Professorship is based at the GEOMAR Helmholtz Centre for Ocean Research Kiel in the Research Unit 'Physical Oceanography' which is part of the Research Division 'Ocean Circulation and Climate Dynamics'.

The research interests of the applicant should be in process oriented observational physical oceanography and related data/ model analysis. A focus might include processes relevant for ocean and climate dynamics, wind-driven and thermohaline circulation, water mass transformation, mesoscale and sub-mesoscale variability, internal waves and air-sea interaction.

[Details](#)

Closing date Dec 12, 2021



Assistant/Associate Professor Civil & Environmental Engineering

Stanford University, Stanford, CA, USA

The Department of Civil and Environmental Engineering at [Stanford University](#) invites applications for a tenure-track faculty position at the junior level (assistant or untenured associate professor). We give high priority to the overall originality and promise of the candidate's work rather than the candidate's sub-area of specialization within Civil and Environmental Engineering.

We seek applicants in support of the Department's vision of [Engineering for Sustainability](#) with particular interest in candidates who work at the frontier of their field towards enhancing the sustainability of the built and natural environments. Applicants should have an earned Ph.D., evidence of the ability to pursue an independent program of research, a strong commitment to both graduate and undergraduate teaching, and the ability to initiate and conduct research across disciplines. A successful candidate will be expected to teach courses at the graduate and undergraduate levels and to build and lead a team of graduate students in Ph.D. research.

[Details](#)

The **review of applications** will begin on **December 1, 2021**, and applications will be accepted until the position is filled. Please forward questions to cee-search@lists.stanford.edu.



Assistant Professor of Marine Chemistry

Stennis Space Center, Mississippi, USA

The Division of Marine Science in the School of Ocean Science and Engineering (SOSE) at The University of Southern Mississippi invites qualified applicants for a full-time, 9-month, tenure-track faculty position in Marine Chemistry at the assistant level to begin in Fall 2022. Salary packages will be nationally competitive and commensurate with experience.

We seek qualified applicants for a full-time, nine-month, tenure-track position as an assistant professor in Marine Chemistry to join the Marine Science faculty in the Division of Marine Science. We are particularly interested in candidates who can make use of existing analytical infrastructure for trace element analysis, including a high resolution ICP-MS, clean lab, and other related equipment.

[Details](#)

Open until filled



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

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

GENERAL

Maritime Monthly Climate Summary

Since February 2021, the CMOS Halifax Centre has been producing Maritime monthly climate summaries. It includes statistics for means, extremes and notable meteorological events.

The Capital Stats					
Station Name	Mean Temperature (°C)			Extremes	
	Monthly Mean	Normal Mean	Diff from Normal	Max (Date)	Min (Date)
Charlottetown Airport	16.1	14.1	2.0	25.6 (18)	3.2 (15)
Halifax Stanfield Airport.	16.2	14.0	1.6	25.2 (1)	6.9 (15)
Fredericton Airport	15.6	14.0	1.6	25.2 (18)	6.6 (21)

Station Name	Total Precipitation			Snowfall	
	Monthly Total (mm)	Normal Total (mm)	Percent Normal	Total (cm)	Max SOG (Date)
Charlottetown Airport	226.8	95.9	236	NA	NA
Halifax Stanfield Airport	152.8	102.1	156	NA	NA
Fredericton	124.6	94.7	132	NA	NA

The Warmest (°C)	
New Brunswick	
Kouchibouguac	27.2
Nova Scotia	
Sydney A.	29.1
Prince Edward Island	
St Peters	26.3

The Coldest (°C)	
New Brunswick	
Edmundston	-1.2
Nova Scotia	
Collegeville	-0.4
Prince Edward Island	
Maple Plains	2.6

The Wettest (total mm)	
New Brunswick	
Bas Caraquet	244.6
Nova Scotia	
Eskasoni	239.7
Prince Edward Island	
Summerside A	228.2

Daily Temperature Records					
Despite the overall monthly mean being well above average, unlike August which set nearly 100 new daily temperature records across the Maritimes, new daily records were few. NS recorded 13 new daily highs 7 of which were set in the eastern mainland and Cape Breton 23 rd - 25 th . NB recorded just 3 new highs in the same time period and PEI 2. There were no new daily minimum records set during the month.					

Extract from CMOS Halifax Centre's Monthly climate summary for September 2021 - released 2021-10-25.

The complete climate summaries can be found on the centre's [website](#).

Call for 2022 SCOR Visiting Scholars

For more than a decade, SCOR has supported Ph.D. level ocean scientists from developed and developing countries to teach short courses and provide extended on-site education and mentorship at developing country institutions (see list here). These scholarships are not intended to directly support research, although such research may be an outcome of a visit. The overarching goal of this program is to inspire, motivate, and inform students and faculty at developing institutions while also building long-term and sustainable



collaborations and capacity. More than 40 scientists have participated in the program with host institutions in more than 25 countries. A list of past SCOR Visiting Scholars can be found [here](#). The SCOR Visiting Scholars Program is a partnership between SCOR and local hosts. SCOR provides up to \$2,500 for airfare and local expenses for each fellow; local hosts often provide local accommodation and may support some other local expenses. Local support from host institutions demonstrates institutional commitment to the visit. The participating scientists donate their time and must be onsite for a minimum of two weeks but are encouraged to stay as long as visa requirements allow and hosts are willing to provide accommodations. Applications from all regions of the world are welcome and the visit can happen at any time between January 2022 and December 2022.

Applications for the 2022 SCOR Visiting Scholars Program should be sent to patricia.miloslavich@scor-int.org by 15 December 2021 (up to 23:59 UTC).

For more information read about the SCOR Visiting Scholar at the SCOR website: <https://scor-int.org/work/capacity/visiting-scholars/>

Biogeochemical and Ecological Impacts of Sea-Ice Decline

A legacy program of a former SCOR working group, the Biogeochemical Processes at Sea-Ice Interfaces (BEPSII) research community, has recently released a policy brief on declining Arctic sea ice (doi: 10.5281/zenodo.5595254). The brief highlights key points from three recent policy-relevant publications on Arctic climate change impacts on sea-ice ecosystems, ecosystem services, and geoengineering impacts on sea-ice biogeochemistry. For more information on BEPSII and to download the policy brief, visit the BEPSII website at <https://sites.google.com/site/bepsiiwg140/home>.

The image is a promotional graphic for a policy brief. It features a background photograph of three researchers in high-visibility yellow and black gear working on a snowy, icy Arctic landscape. In the foreground, there are various pieces of equipment, including a red cooler and a wooden crate. The sky is a mix of orange and blue, suggesting a sunset or sunrise, with several birds flying in the distance. In the top left corner, there is a circular logo with a blue and yellow border and a white cloud-like shape in the center. To the right of the logo, the text reads "BEPSII Policy Brief" in a large, bold, blue font, followed by "Biogeochemical Exchange Processes at Sea-Ice Interfaces" in a smaller, blue font. At the bottom of the image, there is a blue banner with white text that reads: "Effective Arctic climate change mitigation and adaptation strategies require consideration of biogeochemical and ecological impacts of sea-ice decline."

[Link to document.](#)

CMOS Staff Positions

CMOS Council is looking to fill the [A-O Technical Editor position](#). We are looking for interested and qualified CMOS Members to fill this role.

The CMOS A-O Technical Editor position includes the following duties:

1. Production Coordinator 2. Copy Editor 3. Technical Editor 4. Proof-reader

We are hoping for a good response to this opportunity, and you are invited to submit your CV along with a cover letter expressing your interest in this position to Gordon Griffith, CMOS Executive Director, at exec-dir@cmos.ca **before December 10, 2021**.

CMOS
Canadian Meteorological and
Oceanographic Society



SCMO
Société canadienne de météorologie
et d'océanographie

CMOS Council is looking to fill the [Director of Publications position](#). We are looking for interested and qualified CMOS Members to fill this role.

The Director of Publications:

o is ex-officio member of CMOS Council and Executive (with time limitations).

o reports to CMOS Executive. A-O Co-Chief Editors, A-O Technical Editor and CMOS- Bulletin-SCMO report to DoP.

o is Chair of CMOS Publications Committee.

o is expected to attend Annual CMOS Congress. Attendance will be funded by CMOS.

o is responsible for approving all CMOS expenditures related to publication of A-O and Bulletin.

We are hoping for a good response to this opportunity, and you are invited to submit your CV along with a cover letter expressing your interest in this position to Gordon Griffith, CMOS Executive Director, at exec-dir@cmos.ca **before December 10, 2021**.

CMOS Council has approved the creation of a [Chief Scientist position](#) to provide CMOS with broad scientific leadership and coordination. We are looking for interested and qualified CMOS Members to be the first to fulfill this role.

The impending departure of the Publications Director provides CMOS with an opportunity to consider the rearranging roles and responsibilities to create a CMOS Chief Scientist position with a broad scientific leadership role.

THE IDEAL CANDIDATE WILL:

- Be an outstanding and recognized scientist
- Have passion for outreach and effective communication
- Be enthusiastic for the professional development of students and early-career researchers
- Support the CMOS mission and activities
- Possess effective inter-personal relationships

We are hoping for a good response to this opportunity, and you are invited to submit your CV along with a cover letter expressing your interest in this new position to Gordon Griffith, CMOS Executive Director, at exec-dir@cmos.ca **before December 10, 2021**.

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

Previous [newsletters](#) may be found on the [CNC-SCOR](#) web site. The CNC-SCOR website is hosted by [CMOS](#).

Newsletter #122 will be distributed in **January 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](#) antérieurs se retrouvent sur le site web du [CNC-SCOR](#). Le site du CNC-SCOR est hébergé par le [SCMO](#).

Le Bulletin #122 sera distribué en **janvier 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

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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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The Canadian National Committee of the Scientific Committee for Oceanic Research (CNC-SCOR) fosters and facilitates international cooperation. It is a non-governmental body that reflects the multi-disciplinary nature of ocean science and marine technology.



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