Canadian National Committee for SCOR
Comité national canadien pour SCOR

Scientific Committee on Oceanic Research

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

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OCEAN SCIENCE NEWS

Decade of Action for Cryospheric Sciences

From Website

With a global warming approaching 1.5°C, scientists predict that at list half of today's glaciers will disappear by 2100. The Greenland ice sheet has lost 4,890 billion tones (Gt) of ice since 1990, and the Antarctic ice cap lost around 2,670 Gt of ice between 1992 and 2020. This loss of mass has increased four-fold in 30 years and is becoming increasingly severe: without rapid global mitigation efforts, upper estimates of greenhouse gas emissions from thawing permafrost during the course of this century could significantly reduce the ability to limit warming to 1.5° C.

While the effects of climate change in the cryosphere have environmental, economic and social implications at the local, regional and global levels, their cause is mainly linked to human activities taking place outside these regions. These changes could have irreversible consequences on the risk of natural disasters, on ecosystems and on human beings, and affect food and water security for up to two billion people worldwide. In addition, the melting of part of the cryosphere, in particular the glaciers and ice sheets of Greenland and the Antarctic, is responsible for around 50% of sea-level rise and has direct impacts the thermal expansion of the oceans.

In this dramatic context, it is essential to carry out new scientific researches on poles and glaciers, to better understand their functioning and the consequences of their collapse. The efforts have to be more intense and regular to address this crisis properly. The need to find new opportunities to reinforce the scientific community means and accelerate the researches is, thus, crucial.

To address cryosphere related issues, scientists created the International Polar Years (IPY), a time spaced appointment to foster collaborative and international efforts with intensive research focus on the polar regions. To go beyond and support the IPY initiative efforts, a new initiative has been launched at the One Planet - Polar Summit: the Decade of action for cryospheric sciences.

This project was studied in close partnership with the United Nations, particularly with the United Nations Educational Scientific and Cultural Organization (UNESCO), and the World Meteorological Organization (WMO). The International Science Council (ISC) and the Antarctic Treaty System organizations (ATCM and CCMALR) is also involved.

The objective is to mobilize all States, as well as civil society, and encourage the disbursement of « white funding » commensurate with the challenge. It will provide international scientific research with substantial, concerted resources that will allow:

- To conduct ambitious international projects aimed at understanding the mechanisms at work in the collapse of the cryosphere (poles and high glacier plateaus) and its impact on the associated socio-ecosystems;
- To increase the scope of observations and thus map out the most plausible scenarios for the future evolution of the planet under the effects of climate change, the chemical and plastic pollution of these environments, the loss of biodiversity and its consequences for human beings and the balance of the world, as well as the dramatic rise in sea levels on a global scale.

The framework for the Decade of action for cryospheric sciences (2025-2034) will begin with the Year of Glaciers in 2025 and will be connected to the fifth International Polar Year (IPY) which will take place in 2032-33 and is being coordinated by the International Arctic Science Committee (IASC), the Scientific Committee on Antarctic Research (SCAR), the World Meteorological Organization (WMO), the International Science Council (ISC) and other international polar science and Indigenous organisations. This framework will allow to secure new multilateral resources for scientific research, along the lines of the United Nations Decade of Ocean Sciences for Sustainable Development (2021-2030) currently underway.

This initiative will also promote related objectives:

- Supporting education about glaciers and poles
- New European and international commitments on the 30by30 target from the Kunming-Montreal agreement
- Marine protected areas
- Co-construction of research programs in consultation with local communities.

On August 13th, 2024, the United Nations General Assembly officially adopted the resolution, co-facilitated by France and Tajikistan. The Decade of Action for Cryospheric Sciences will be launched at the beginning of 2025.

Article du site web en français

Changes at the top of SCOR International and CNC-SCOR

In October 2024, CNC-SCOR Chair Paul Myers (bio provided at the end of this article) was elected President for the committee's parent international body SCOR. Given that, Paul indicated he will step down as the Chair of CNC-SCOR by the time of its 2025 AGM (to be scheduled, but with a target date June 2025). Given that, and the historical difficulty in filling the Chair position, the Canadian National Committee decided on the following approach to fill that position.

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First, an internal committee was struck to explore potential candidates from among the present members of the national committee. That committee was asked to make a recommendation to the CNC by its mid-year meeting. After discussion at the mid-year meeting, the CNC would be asked to approve the suggested nominee. If the suggested nominee was approved by the CNC, then an article naming the nominee and providing a brief bio would be inserted into the March Canadian Ocean Sciences Newsletter. Additionally, the same article would ask for external nominations (if any) for the CNC-SCOR Chair position, to be sent to the secretary by April 15, 2025. If no additional nominees were received by that date, then the nominee suggested by the CNC would be elected by acclamation at the 2025 AGM. If one or more nominations were received from the community, then those candidates would be presented to the CNC and a vote would be held at the 2025 AGM.

This article then constitutes the results of the above process and discussions.

The suggested nominee from among members of the Canadian National Committee is Martine Lizotte, from Fisheries and Oceans Canada (bio provided further down in this article).

Therefore, if an external candidate wishes to be considered for the CNC-SCOR Chair position, please submit a one-page letter providing an expression of interest and explaining the potential candidate's suitability and expertise, along with a CV, to the CNC-SCOR Secretary, David Greenberg (davidgreenberg@alumni.uwaterloo.ca) by April 15, 2025.

If anyone has questions about the Chair position, or the process, please contact the outgoing CNC-SCOR Chair, Paul Myers (pmyers@ualberta.ca).

Biography: Paul Myers

Paul Myers is a physical oceanographer, professor and senior associate dean research – strategic initiatives, for the Faculty of Science at the University of Alberta. Professor Myers' current research focuses on the role of freshwater in the oceans, as well as links between the Arctic and North Atlantic Oceans. This research involves a combination of the analysis of oceanographic data with numerical modeling. Present research includes a focus on very high resolution and the role that the mesoscale and sub-mesoscale has on the large-scale circulation. Specific scientific questions are related to the impact of freshwater in these basins, explanations for observed variability at inter-annual and inter-decadal time scales as well as the linkages between these basins. His main geographical areas of research are the Arctic Ocean, Canadian Arctic Archipelago, Baffin Bay, the sub-polar North Atlantic and the Labrador Sea. He is also interested in the role of Ocean-Cryosphere links and the how the ocean may impact, and may be impacted by, the enhanced melting presently occurring on the Greenland Ice Sheet. For the Labrador Sea, he was the lead PI of the NSERC Climate Change and Atmospheric Research Network, VITALS (Ventilation, Interactions and Transports Across the Labrador Sea), which answered fundamental questions about how the deep ocean exchanges carbon dioxide, oxygen, and heat with the atmosphere through the Labrador Sea. He is a former president of the Canadian Meteorological and Oceanographic Society, and has been the chair of the Canadian National Committee for SCOR, as well as Secretary for SCOR at the international level (2018-2022). In October 2024 he was elected President of SCOR. In 2021 he was elected a Fellow of the Canadian Meteorological and Oceanographic Society. Professor Myers has a large and active research group, which he takes an active role in advising, leading to him winning a University of Alberta Graduate Student Association's Outstanding Supervisor Award.

Biography: Martine Lizotte

Dr. Martine Lizotte is a research scientist with Fisheries and Oceans Canada (DFO) and associate professor at Université du Québec à Rimouski – Institut des Sciences de la Mer (UQAR-ISMER). Her work as a biogeochemical oceanographer focuses on understanding the impacts of climate and environmental changes on the cycling of essential elements such as carbon and oxygen in marine and estuarine ecosystems. Her research delves into environmental stressors such as acidification, deoxygenation, and warming, and how they affect critical biogeochemical cycles, plankton at the base of the food web, and consequently, marine resources. Dr. Lizotte is actively involved in various research initiatives, committees and key groups including the National Climate Change Science - Ocean Chemistry Working Group, the Global Ocean Acidification Observing Network, the Québec-Océan strategic alliance, the Research Management Committee for MEOPAR, and she is the former National Representative for SOLAS-Canada (2019-23).

Changements à la tête de SCOR International et du CNC-SCOR

En octobre 2024, Paul Myers, président du CNC-SCOR (voir biographie à la fin de cet article), a été élu président de l'organisme parent international du comité, SCOR. De ce fait, Paul a indiqué qu'il démissionnerait de son poste de président du CNC-SCOR d'ici l'assemblée générale annuelle de 2025 (date à déterminer - cible en juin 2025). À la lumière de cette démission ainsi que la difficulté historique à pourvoir le poste de président.e, le Comité national canadien a convenu de la démarche suivante pour pourvoir ce poste.

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Tout d'abord, un comité interne a été formé pour explorer les candidat.e.s potentiel.le.s parmi les membres actuels du comité national. Ce comité a été chargé de faire une recommandation au CNC lors de sa réunion de mi-année. Après discussion lors de la réunion de mi-année, le CNC serait invité à approuver la personne proposée. Si la personne proposée devait être approuvée par le CNC, un article nommant le ou la candidat.e et fournissant une brève biographie serait inséré dans le bulletin de nouvelles des sciences océaniques canadiennes du mois de mars. De plus, le même article demanderait des nominations externes (le cas échéant) pour le poste de président.e du CNC-SCOR, à envoyer au secrétaire avant le 15 avril 2025. Si aucune autre nomination n'était reçue à cette date, le ou la candidat.e proposé.e par le CNC serait élu.e par acclamation lors de l'assemblée générale annuelle de 2025. Si une ou plusieurs nominations étaient reçues de la communauté, ces candidat.e.s seraient présenté.e.s au CNC et un vote aurait lieu lors de l'assemblée générale annuelle de 2025.

Cet article constitue donc les résultats du processus et des discussions mentionnés ci-dessus.

La candidate proposée parmi les membres du Comité national canadien est Martine Lizotte, de Pêches et Océans Canada (voir biographie à la fin de cet article). Par conséquent, si un.e candidat.e externe souhaite être considéré.e pour le poste de président.e du CNC-SCOR, veuillez soumettre une lettre d'une page exprimant votre intérêt et expliquant l'aptitude et l'expertise de votre candidature, ainsi qu'un CV, au secrétaire du CNC-SCOR, David Greenberg (davidgreenberg@alumni.uwaterloo.ca) avant le 15 avril 2025.

Pour toutes questions concernant le poste de président.e ou le processus, veuillez contacter le président sortant du CNC-SCOR, Paul Myers (pmyers@ualberta.ca).

Biographie : Paul Myers

Paul Myers est un océanographe physique, professeur et doyen associé principal à la recherche – initiatives stratégiques, pour la Faculté des sciences de l'Université de l'Alberta. Les recherches actuelles du professeur Myers se concentrent sur le rôle de l'eau douce dans les océans, ainsi que sur les liens entre les océans Arctique et Atlantique Nord. Ces recherches impliquent une combinaison d'analyse de données océanographiques et de modélisation numérique. Ses recherches actuelles se focalisent sur une très haute résolution de la circulation à méso et sous-méso échelles et son rôle sur la circulation à grande échelle. Ses questions scientifiques spécifiques sont liées à l'impact de l'eau douce dans ces bassins, aux explications de la variabilité observée à des échelles de temps interannuelles et inter-décennales ainsi qu'aux liens entre ces bassins. Ses principales zones géographiques de recherche sont l'océan Arctique, l'archipel Arctique canadien, la baie de Baffin, l'Atlantique Nord subpolaire et la mer du Labrador. Il s'intéresse également au rôle des liens océan-cryosphère et à la manière dont l'océan peut impacter, et être impacté par, la fonte accrue actuellement en cours sur la calotte glaciaire du Groenland. Pour la mer du Labrador, il a été le chercheur principal du réseau de recherche sur le changement climatique et l'atmosphère du CRSNG, VITALS (Ventilation, Interactions et Transports à travers la mer du Labrador), qui a répondu à des questions fondamentales sur la manière dont l'océan profond échange du dioxyde de carbone, de l'oxygène et de la chaleur avec l'atmosphère à travers la mer du Labrador. Il est un ancien président de la Société canadienne de météorologie et d'océanographie, et a été président du Comité national canadien pour SCOR, ainsi que secrétaire pour SCOR au niveau international (2018-2022). En octobre 2024, il a été élu président du SCOR. En 2021, il a été élu membre de la Société canadienne de météorologie et d'océanographie. Le professeur Myers dirige un groupe de recherche important et actif, dans lequel il joue un rôle de conseiller, ce qui lui a valu de remporter le prix du superviseur exceptionnel de l'Association des étudiants diplômés de l'Université de l'Alberta

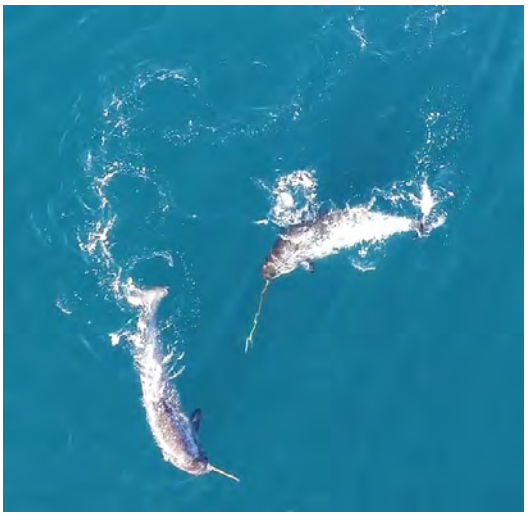
Biographie : Martine Lizotte

Martine Lizotte (PhD) est chercheuse scientifique à Pêches et Océans Canada (MPO) et professeure associée à l'Université du Québec à Rimouski – Institut des Sciences de la Mer (UQAR-ISMER). Son travail en biogéochimie océanique se concentre sur la compréhension des impacts des changements climatiques et environnementaux sur le cycle des éléments essentiels tels que le carbone et l'oxygène dans les écosystèmes marins et estuariens. Ses recherches portent sur les facteurs de stress environnementaux tels que l'acidification, la désoxygénation et le réchauffement, et leur influence sur les cycles biogéochimiques critiques, le plancton à la base du réseau alimentaire et, par conséquent, les ressources marines. Martine Lizotte est activement impliquée dans diverses initiatives de recherche, comités et groupes clés, notamment le Groupe de travail sur la chimie des océans du Programme national de sciences du changement climatique, le Réseau mondial d'observation de l'acidification des océans, le regroupement stratégique Québec-Océan, le Comité de gestion de la recherche pour MEOPAR, et elle est la précédente représentante nationale pour SOLAS-Canada (2019-2023).

Pêches et Océans Canada sur YouTube

Pêches et Océans Canada : Le Canada possède une abondance de zones d'eau douce et marines qui sont écologiquement diverses, tout comme les créatures qui les habitent. Nous sommes chargés de protéger nos eaux et nos espèces, et de gérer les pêches et les ressources aquatiques du Canada d'un océan à l'autre. Il y a beaucoup de poissons (et de baleines, et de requins) dans la mer, et tu peux les découvrir ici!

Parmi les joyaux à retrouver sur le site internet figurent :



La toute première vidéo de Narvals utilisant leur défense pour se nourrir

Zone de protection marine de Tang.ɢwan - ḥačxwiqak - Tsig̱is

Estuaire du Saint-Laurent : Protéger et cohabiter avec les baleines

Et plusieurs courts métrages alléchants d'une dizaine de secondes

English site

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

2025 CMOS-CGU Joint Congress --- Congrès conjoint SCMO-UGC 2025

May 25-29, Hybrid --- TCU Place, Saskatoon, SK --- 25-29 mai, hybride

Program at a glance

Scientific Sessions

CGU EDI Student Fund
Deadline April 18

Volunteer at Congress
Deadline April 15

Accommodations
Hilton Garden Inn
Deadline April 23
Holiday Inn
Deadline April 25
University of Saskatchewan
Deadline March 30, after then, check availability

Le programme en bref

Sessions scientifiques

Fonds étudiant EDI de l'UGC
date limite 18 avril

Bénévole au congrès
Date limite 15 avril

Hébergement
Hilton Garden Inn
Date limite April 23
Holiday Inn
Date limite April 25
University of Saskatchewan
Date limite le 30 mars, mais après, vérifiez la disponibilité

2025 CMOS-CGU Congress Website ---------- Site Web du Congrès SCMO-UGC 2025

Gordon Research Seminar/Conference – Chemical Oceanography

July 19 – 20 (GRS), 20 – 25 (GRC), Southern NH University, Manchester, New Hampshire

GRS, Chemical Tracers in a Changing Ocean The seminar will feature approximately 10 talks and 2 poster sessions. All attendees are expected to actively participate in the GRS, either by giving an oral presentation or presenting a poster. Therefore, all applications must include an abstract.

Seminar details **Registration deadline June 21** while openings remain.

GRC, Fingerprints in the Ocean Physical, chemical, biological, and geological processes in the ocean leave chemical fingerprints. The discipline of chemical oceanography uses these fingerprints to understand important ocean processes. It both borrows from other fields to help in the interpretation of chemical data, as well as offers insights into other fields allowing the inference of processes and mechanisms that may not be otherwise measurable

Conference details **Registration deadline June 22** while openings remain.

Pan-CLIVAR Meeting 2025 & CLIVAR Symposium:

September 22-26 2025, Bali, Indonesia

CLIVAR (Climate and Ocean: Variability, Predictability and Change) is one of the six core projects of the World Climate Research Programme (WCRP). CLIVAR's mission is to understand the dynamics, the interaction, and the predictability of the climate system with emphasis on ocean-atmosphere interactions. Pan-CLIVAR 2025 will bring together CLIVAR members from all panels, Research Foci, and scientific steering group (SSG), as well as representatives from WCRP core-projects and external partners.

This will be the second Pan-CLIVAR after the first one in 2014 in The Hague. The 2014 meeting was instrumental for the development of the current decadal CLIVAR science plan (2018-2028). The 2025 Pan-CLIVAR Meeting (Pan-CLIVAR 2025) will initiate the formulation of the next science plan.

Details

Abstract deadline 11 April 2025, 23h59 CEST

Travel support application closes 15 April 2025

Operationalising European Ecosystem Based Fisheries Management

30 June – 3 July 2025, Brussels, Belgium

Ecosystem Based Fisheries Management (EBFM) is an approach to fisheries management that recognises the need to enhance their derived social and economic benefits whilst actively minimising the impacts that fisheries have on the environment. While the benefits of EBFM are widely recognised, several core challenges pose barriers to its effective uptake in fisheries across Europe – from complexity and interdependencies to uncertainties and values. The symposium is co-convened by SEAwise and key partners, including the International Council for the Exploration of the Seas (ICES) and the General Fisheries Commission for the Mediterranean (GFCM). The symposium will provide an opportunity to review, discuss and evolve progress on operational EBFM in Europe, via a mixture of scientific oral and poster presentations, interactive and policy sessions, offering a unique opportunity for knowledge sharing and advancement in support of sustainable management of fisheries socio-ecological systems and operationalisation of EBFM.

Details

Deadline for abstract submission 1 May 2025

Deadline for registration 1 June 2025

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

Professeur-chercheur ou professeure-chercheuse en adaptation côtière

Université du Québec à Rimouski

Ce poste de professeure ou de professeur sous octroi est lié à l'obtention d'un financement Apogée par l'UQAR pour la réalisation du programme de recherche « Transformer l'action pour le climat – Transforming Climate Action ». La personne embauchée sera en poste pour une durée totale de cinq ans durant laquelle elle sera titulaire d'une chaire en adaptation côtière et d'un financement de recherche rattaché à ce poste. Elle devra également définir une programmation de recherche originale et novatrice en géographie en lien avec l'adaptation des communautés et des territoires côtiers et s'y engager activement.

La personne retenue devra par ailleurs assumer une tâche d'enseignement d'un (1) ou deux (2) cours par année, dans les programmes de premier, deuxième et troisième cycles en géographie au sein du département de biologie, chimie et géographie et participer à l'encadrement d'étudiantes et d'étudiants aux cycles supérieurs.

Date d'entrée en fonction : 1er septembre 2025 ou dès que possible.

Détails

Date limite 16 h 30 le 31 mai 2025

Post-doc in non-conventional isotopes in coastal environments

LOV, Villefranche, France

This position at the Laboratoire d'Océanographie de Villefranche (LOV) is related to the ERC Advanced project SeaLi2Bio "Biological Isotopy of Lithium isotopes in Littoral Zones" that started in April 2024. Lithium (Li) is key in the energy transition and massively used to produce mobile devices and electrical vehicles. Yet its current consumption rate exceeds its river flux to the ocean, and it is poorly recycled, while Li excess is toxic for aquatic life and humans. By disentangling the factors of Li contamination from the natural background, SeaLi2Bio will assemble a first robust reference for a global issue tied to the history of climate and its future evolution in response to reduction of fossil fuels use. This pluridisciplinary project includes scientists from different fields: isotope geochemists, biologists, and modelers, with collaborators located in various laboratories in France and in different continents.

The post-doc will focus his/her activity on quantifying, interpreting and modeling lithium level and lithium isotopes in coastal environments. The post-doc will also participate to the experimental work initiated at the cellular and at the organism level, in collaboration with other laboratories. Presentations to international conferences will be possible, as well as student supervision and mediation actions.

Details

Deadline April 25 2025

Postdoc Estimating Kelp Carbon Stock in British Columbia

Geography, University of Victoria, Victoria BC

Applications are being accepted for the Postdoc position focused on Estimating the Kelp Carbon Standard Stock in British Columbia at the University of Victoria, Department of Geography, in the SPECTRAL Remote Sensing Lab. The postdoc will be based in Victoria, Vancouver Island, Canada, and will work under the supervision of Dr. Maycira Costa from UVic and in collaboration with Veritree. The postdoc will be responsible for three components of this project: (1) support the coordination of the overall project, including fieldwork in collaboration with many groups, including First Nations and Veritree; (2) lead at least 2-3 manuscripts focusing on estimating floating kelp carbon standing stock in BC; and (3) produce project reports and mobilize knowledge in BC. The postdoc will contribute to field data collection efforts, analyze data from various sources, including satellite-derived environmental data, and write high-quality reports and manuscripts for peer-reviewed publications. The postdoc will also have the opportunity to be involved in related collaborative research efforts in BC and the North Pacific.

Details

Deadline April 15 2025

Postdoc West Greenland Boundary Current

WHOI, Woods Hole, MA

Woods Hole Oceanographic Institution is currently searching for a Postdoctoral Investigator to join the Physical Oceanography Department. This is a regular, full-time, exempt position, and is eligible for full benefits. The appointment is for two years.

The applicant will primarily analyze mooring data using different software tools.

A PhD in physical oceanography is required. It is also required that the applicant be adept using Matlab. It is preferred that the applicant have experience working with mooring and shipboard data and that they have knowledge of the circulation and hydrography of the subpolar North Atlantic Ocean. The applicant will spend time working on a ship in high latitudes, often under challenging conditions. The applicant will be required to sail on one 30-day cruise per year. The applicant will be required to attend national and international meetings.

Details

No deadline given. Posted Feb 28.

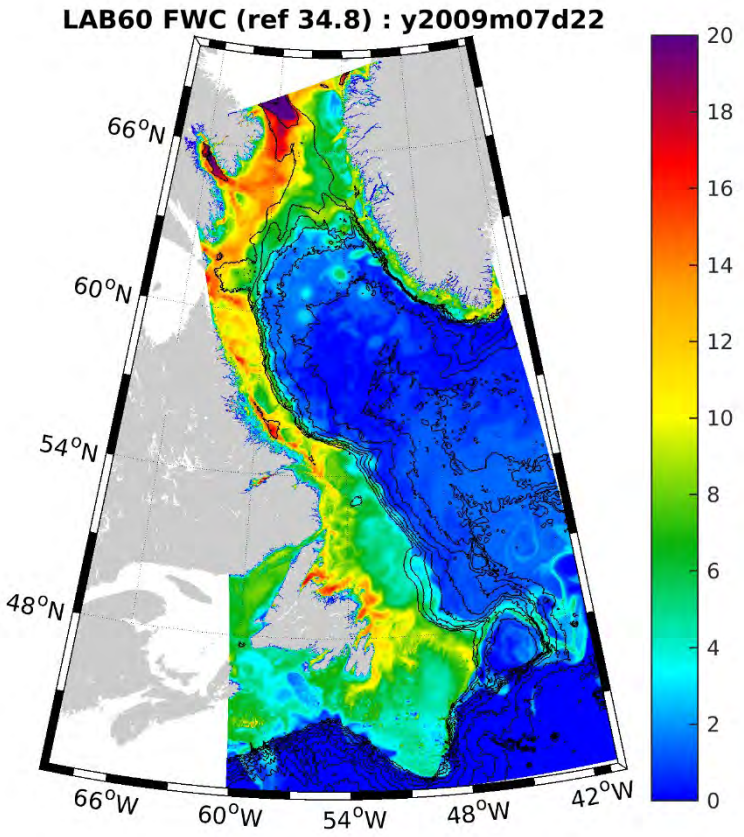
Looking for work? Try the CMOS site (click).	*Vous recherchez un emploi? Visitez le site SCMO (clic).*

GENERAL

Canadian NEMO Ocean Modelling Forum

The Marine Environmental Observation, Prediction and Response Network (MEOPAR's) Communities of Practice (CoPs) are vital to disseminating findings and enriching research through interactions among researchers, practitioners, policy-makers, and community members and groups. They're also an ideal forum for informing MEOPAR researchers (and others) about leading-edge developments, and identifying gaps and opportunities for new research.

CoPs are defined as "groups of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly." CoPs are a way of developing social capital, nurturing and sharing new knowledge, and stimulating innovation. CoPs connect people and outputs can include best practices, guidelines, knowledge repositories, discussions about technical problems and solutions, working papers, and strategies.



Sample output of freshwater content (relative to 34.8) from a high resolution NEMO configuration of the Labrador Sea, using two AGRIF nests.

The Nucleus for European Modelling of the Ocean (NEMO) model is now widely used in Canada, by both the academic community and federal government scientists. In the past, groups using the model interacted, but often at an individual and ad hoc level. For many years there had been informal discussions about working to bring the Canadian NEMO modelling community closer together to enhance collaboration, information sharing and knowledge transfer, as well as increase HQP opportunities. The virtual nature of research during these past Covid inflicted years suggested that regular monthly or bi-monthly events (linking seminars, information sharing and training activities), in combination with regular Workshops (virtual or in person when allowed), is an effective way to share knowledge and build community cohesion. Additionally, given the release of a new NEMO versions (v4 and v5) and interest in the development of a new Canadian

regional downscaling system (CanTODS) using NEMO, there was a greater need for community coordination, including sharing of plans, code repositories, forcing fields, etc. Thus the timing was right to enhance community interactions through a CoP. Our plans going forward include regular events to facilitate communication, coordination and training, as well as a web portal to enable sharing of code, tools and model outputs.

The goal of the website (https://canadian-nemo-ocean-modelling-forum-community-of-practice.readthedocs.io) is to be a central hub of Canadian NEMO modelling expertise. We have designed it to be relatively easy for various NEMO modelling groups to join and share their projects, research goals, documents, configurations, publications/presentations, media, and so forth. The website is built using restructured text (.rst) files, github to manage the repository, and ReadTheDocs.org to host and build the site. We have included a User Guide to make joining the forum relatively easy, and we are in the process of adding additional features to further enable communication between users (slack, mailing list, discussion boards, etc.). NEMO groups can inquire about/join the forum by emailing Clark (pennelly@ualberta.ca) or Paul (pmyers@ualberta.ca).

The CoP also aims to share knowledge among the community by setting up monthly virtual meetings, as well as hosting a hybrid modelling workshop in conjunction with the upcoming 2025 CMOS Congress.

I: Detail seminar Series

Since January 2025, on the first Monday of the month, there has been a virtual NEMO seminar series. The goal of this series is to bring together the NEMO community, to share new developments and results. The format of this series is two approximately 20 minute talks, with one talk focused on model development, and another talk focused on science applications of NEMO modelling. Throughout the series, there has been a prioritization on early career researchers, and highlighting the work of people from a variety of disciplines and institutions, including University researchers and those in government institutions. The talk series will run until June 2025, take a break for the summer, and then continue again in September. If you are interested in joining the mailing list for the series or would like to contribute as a speaker, you can contact Tahya Weiss-Gibbons (weissgib@ualberta.ca). You can find a list of the previous presentations, and the upcoming talks on the NEMO forum website.

II: Modelling Workshop

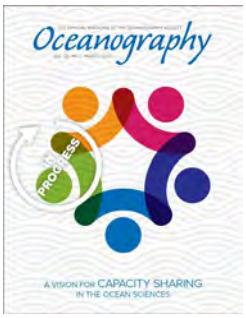
The Canadian Meteorological and Oceanographic Society (CMOS) Congress, taking place in Saskatoon from the 24th to the 29th of May, 2025 will accommodate a workshop for the Canadian NEMO modelling consortium to help facilitate discussions around four of the main topics that the community has indicated interest in. On Thursday, the 29th of May, four topics will be discussed that are of high interest in the community. Firstly, we will aim to discuss NEMO developments that are occurring globally and within Canada, with topics on high-resolution implementation and usage discussed. The next focus would be to discuss how to facilitate and achieve cross-institute collaboration with NEMO development within Canada. The third discussion topic will be around biogeochemical modelling (BGCM) within Canada and future development plans in relation to both sea ice and in-water BGCM. To facilitate discussion between early career and established researchers, the workshop will have a panel discussion on careers and pathways that can be pursued in modelling. The workshop will be open to all. If you are interested in joining, please register for the workshop here.

March 2025 SCOR Newsletter #56

The latest newsletter from SCOR International is available **here**.

It includes update on efforts promoting *Ocean Science for Sustainability* through several initiatives.

Capacity development activities are featured including a link to a focused issue of *Oceanography* and the announcement of the 2025 Visiting scholars.



There are updates from many of the SCOR working group activities with milestones achieved as well as notable publications. SOLAS is inviting submissions to a special section in an upcoming issue of Ocean-Land-Atmosphere Research.

2025 Call for SCOR Working Groups

SCOR working groups are intended to address scientific issues that are impeding the advancement of contemporary ocean science. These include conceptual and methodological issues identified by oceanographic communities at large. As an international organization espousing ocean science, SCOR does not provide funds for research itself, i.e., producing data, observation, salary, etc. By facilitating international networking, SCOR aims to add value to outcomes from national activities.

Working groups are formed of not more than 10 Full Members and 10 Associate Members, to deliberate on a narrowly focused topic and develop a peer-reviewed publication and/or some other product that will advance the topic on which the working group is focused. The group's work is intended to be completed in 4 years or less.

The SCOR Secretariat invites proposals for new working groups from now **until** 23:59 UTC on **16 May 2025**. The instructions and a template are available here. Please pay close attention to the newly revised instructions and frequently asked questions now available on the webpage.

Call for Applications: POGO-SCOR Fellowship Programme 2025

This programme is jointly funded by POGO and the Scientific Committee on Oceanic Research (SCOR) and is designed to promote training and capacity building leading towards a global observation scheme for the oceans. The Programme has been a success for around 20 years, with 190 fellowships awarded since 2001.

The fellowship program is open to scientists, technicians, postgraduate students (preferably of PhD level) and post-doctoral fellows of developing countries and countries with economies in transition and involved in oceanographic work. Applicants must be citizens of developing countries or economies in transition, as defined by the Development Assistance Committee (DAC) of the OECD. List of eligible countries is available in the right hand menu. The main purpose of the program is to advance sustained ocean observations and their applications. Priority is given to applicants in early stages of career development. This fellowship is intended to support training in oceanographic observations, not to learn research techniques. Its main purpose is to advance sustained ocean observations and their applications; it offers the opportunity to visit other oceanographic centres for a short period (1 to 3 months) for training on any aspect of oceanographic observations, analyses, and interpretation.

Details

The **deadline** for applications is **27 April 2025 (23:59 CET)**.

The Casco Bay Estuary Partnership

The Casco Bay Estuary Partnership continues to be a great example of focused collaboration among a wide range of different interest groups.

In 1990, Casco Bay was designated an “estuary of national significance” and included in the U.S. Environmental Protection Agency’s National Estuary Program, which was established in 1987 under the Clean Water Act to protect nationally significant estuaries threatened by pollution, development or overuse. As a result of this designation, the Casco Bay Estuary Partnership was formed. It includes national, state and local government agencies as well as industry and citizen organizations. In 1990, Casco Bay was designated an “estuary of national significance” and included in the U.S. Environmental Protection Agency’s National Estuary Program, which was established in 1987 under the Clean Water Act to protect nationally significant estuaries threatened by pollution, development or overuse. As a result of this designation, the Casco Bay Estuary Partnership was formed.

Their annual report for 2024 demonstrates the diversity and depth of their activities.

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 **#142** will be distributed in **May 2025**.

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

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Le Bulletin **#142** sera distribué en **mai 2025** .

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

Abonnement et désabonnement

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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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