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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A Log of the CSS/CCGS Hudson 1963-2022

Donald C. Gordon, Pierre M. Clement, David L. McKeown, and Keith Manchester

Canadian Technical Report of Fisheries and Aquatic Sciences 3681

This is the *Introduction* of the technical report. References in the article can be found in the links above and below.

CSS Hudson in the Canadian Arctic (BIO Photo Unit)

The CSS/CCGS Hudson was the primary Canadian offshore oceanographic research vessel at the Bedford Institute of Oceanography (BIO) for fifty-nine years. During her lengthy and unprecedented career, she travelled widely about the world's oceans and enabled the scientists aboard, with the able assistance of her capable officers and crew, to make a huge number of important scientific discoveries about the properties and dynamics of the sea and the underlying sediments and rocks. These discoveries covered all the oceanographic disciplines of ocean engineering, hydrography, geophysics, marine geology, physical oceanography, chemical oceanography, marine ecology, fisheries and marine mammals. In so doing, she helped establish BIO as a major oceanographic institution in the international scientific community, a credit to Canada.

Over her 59-year career, Hudson carried out a total of 475 scientific cruises, many of which had multiple legs. The cruise numbers, dates, days at sea, captain, chief scientist and affiliation, areas of operation and general scientific program for each cruise are listed in chronological order in the Appendix. Some of these cruises were led by other government laboratories and universities. "Ship with a Soul" by D. Gordon (Proc NSIS Vol 53, Part 2, pp.195-204) provides a more general historical description of the life of the vessel.

Available cruise stations/tracks for Hudson 70

Available cruise stations/tracks for 1981

The highlights of Hudson's long career in support of oceanographic research are presented year by year. The captains, number of cruises, days at sea and total nautical miles steamed are summarized for each year of service (1963-2022). In presenting nautical miles steamed, those marked 'Reported' were taken directly from BIO annual reports and should be quite accurate while those marked 'Estimated' were calculated by multiplying days at sea by the value of 159 nautical miles

per day at sea which is the mean value calculated from the data for the 21 years that both data sets are available. Plots of the available navigation data, mostly for BIO cruises, are also presented by year. In general, most of the cruises missing navigation data were led by other agencies. While the data are incomplete, the plots nicely illustrate the broad geographic range covered each year by Hudson. Also included for each year is information on such things as refits, mishaps, search and rescue operations, equipment upgrades, changes in management and external events which had an impact on Hudson's operations and research programs.

Available cruise stations/tracks for 1985

Also presented for each year are brief summaries of each individual cruise. These contain details such as chief scientist and affiliation, cruise number, collaborators, areas of operation, scientific objectives, equipment used, ports visited and any interesting observations and events.

The major sources of information were the cruise reports or other planning documents (e.g. Coast Guard Form B and Form C). These were available for all but 21 cruises (just 4%) and a complete collection is now held in the BIO Library. Other sources included the BIO annual reports and information provided by numerous major users.

Available cruise stations/tracks for 1986

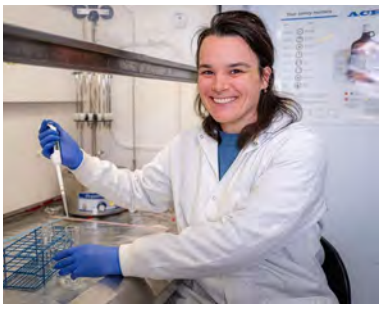
CCGS Hudson (BIO Photo Unit)

Link to PDF of full report

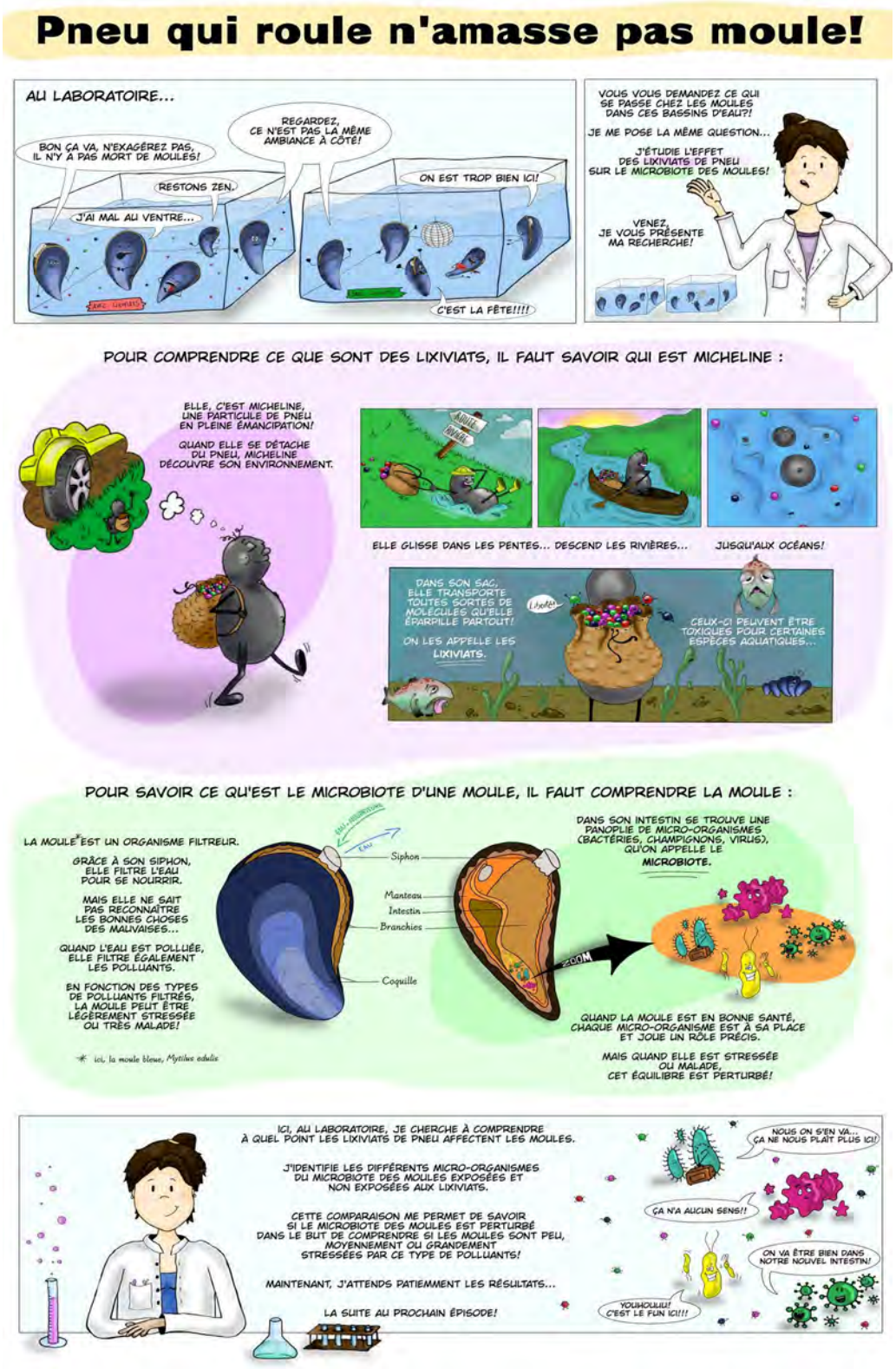
Candidate au doctorat de l’ISMER-UQAR lauréate du Concours de vulgarisation de la recherche de l’Acfas

De Actualités de l’ISMER

Candidate au doctorat en océanographie, Julie Anquetin est lauréate du Concours de vulgarisation de la recherche de l’Acfas avec sa bande-dessinée « Pneu qui roule n’amasse pas moule! »



Julie Anquetin
(Photo : Stéphane Lizotte)



Article complet à l'ISMER-UQAR

The Martin Bergmann Medal for Excellence in Arctic Leadership

Established by The Royal Canadian Geographical Society in 2012, the medal recognizes achievement for "excellence in Arctic leadership."

It celebrates "Marty" Bergmann, a public servant with an outstanding passion and talent for networking that led him to link up scientists with resources and technology. Marty also connected science (Western and traditional knowledge) to policy makers and to others who could translate knowledge to action (e.g. innovators, business leaders, news-makers and authors).

The Martin Bergmann Medal is awarded for:

- distinguished accomplishments in Arctic leadership in the Canadian Arctic;
- excellence for a recent outstanding achievement, or for a lifetime of achievement, both being equally eligible.

See past Bergmann Medal winners.

Looking to nominate someone?

How to nominate A two-page letter must clearly respond to the mandatory criteria and categories of qualifications outlined here.

Mandatory Criteria The nomination package must clearly demonstrate the nominee's collaborative approach to improve any facet of Arctic knowledge and/or life for northerners. In considering suitable nominees, you are encouraged to be inclusive, in respect to gender and the diversity of Canadians.

In addition to the mandatory criteria, candidates will be evaluated on their qualifications in one or more of the following categories referring to the significance of contributions to Arctic leadership in any field including (but not exclusive to):

- Disciplinary and interdisciplinary science activities
- Education, communication and outreach activities
- Inspiration and influence on policy directions
- Teaching and mentoring of future Arctic leaders with a focus on training Indigenous people
- Discovery initiatives

Nominations can be made by Canadian citizens or permanent residents of Canada. You may submit one or more nominations for the medal using the form at the bottom of this page.

Annual deadline for nominations: June 30.

Nominations will stand for a period of three years.

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](#)

[Search Abstracts](#)

[Congress Events](#)

[Plenary Speakers](#)

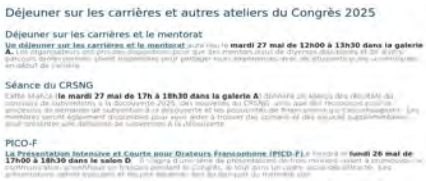
[Public Lecture](#)

[Aperçu de la semaine](#)

[Programme du congrès](#)

[Recherche de résumé](#)

[Événements du Congrès](#)



[Conférences plénières](#)

[Conférence publique](#)

Mediterranean Geosciences Union 5th Annual Meeting

Athens, Greece, November 10–13 2025, hybrid

The Mediterranean Geosciences Union organizes the 5 TH MedGU Annual Meeting at the National and Kapodistrian University of Athens (Greece) in collaboration with other universities in the Mediterranean region and with Springer Nature as publishing partner.

- The MedGU Annual Meeting is one of the region's largest international geoscience meetings, with an average of 600 geoscientists attending in person and virtually each year.
- The MedGU Annual Meeting aims to provide a forum where geoscientists, especially early career researchers, can present and discuss their findings with experts in all fields of geosciences.
- It will feature talks and panels covering a diverse range of geoscience and geoscience-society topics.
- The MedGU-25 encourages submissions of research works from all regions of the world.

Details

Abstract **deadline 30 June 2025**

AGU25

New Orleans, Louisiana, December 15-19 2025

AGU25: Where Science Connects Us: Connections. They link us together. Make us stronger. Help us grow. Give us hope. Move us forward. The Earth and space science community is all about connection. A vibrant hive of research, discovery, action, and solution. Connections twist and move. They pivot unpredictably. They can challenge us, surprise us, and sometimes delight us. From the lab to the field to the ballot box, science depends on connection. At AGU25 we celebrate all the ways we connect. The purpose of what we connect. The power of how we connect. The promise of where we connect.

Cutting-Edge Science: Discover the latest research in Earth and space sciences.

- **Global Collaboration:** Network with experts, policymakers, and emerging leaders.
- **Interactive Sessions:** Attend workshops, panel discussions, and hands-on learning experiences.
- **Career Advancement:** Access mentoring programs, career fairs, and funding opportunities.

Schedule
FAQs
Main conference site
Abstract submissions open mid June. **Deadline July 30**

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

Staff Scientist, Marine Biodiversity

Ocean Networks Canada, University of Victoria, Victoria, BC

This Staff Scientist position places a particular emphasis on marine biology with related experience in numerical ecology and machine learning. Ocean Networks Canada (ONC) seeks an individual with experience in marine biodiversity assessments of either benthic and/or pelagic coastal and/or deep-sea ecosystems utilizing high-throughput underwater imagery data. The candidate will have at minimum a M.Sc, but ideally a Ph.D. in oceanography, with relevant hands-on field experience and a multidisciplinary understanding of biological oceanography.

Reporting to the Director Science, the Staff Scientist interacts with and provides support to a diverse research community within specific science and research areas, with the goal of increasing the number of scientific publications, the number and breadth of users accessing the facility, broadening the awareness and utility of the observatories in the science community, and encouraging its use by an ever-widening community of interdisciplinary users and research topics.

This position may be required to travel nationally and internationally. This position may be required to participate in at-sea expeditions from time to time.

Details

Closing date Jun 11, 2025

Postdoctoral Investigator - Applied Ocean & Physics

Woods Hole Oceanographic Institution, Woods Hole, MA

Woods Hole Oceanographic Institution is currently searching for a Postdoctoral Investigator to join the Applied Ocean & Physics Department. This is a regular, full-time, exempt position, and is eligible for full benefits. The initial appointment is for 12 months with the possibility of extension depending on performance and funding availability.

The postdoc's research will investigate optical technologies for in situ ocean sensing. The candidate should have experience with optics, optical assembly, mechanical design and engineering of optical components, instrument control and data acquisition, sensing, and analytical chemistry.

Required Experience & Education

- PhD in Physics, Engineering, Oceanography, Chemistry or a related discipline
- Previous experience with optical sensor development
- Expertise in mechanical or optomechanical design
- Strong background in applied optics
- Experience with mechanical CAD

Details

Closing WHOI accepts applications on a rolling basis - applications will be reviewed as they are received.

Postdoc L’impact des phénomènes de méso-échelle sur l’absorption du carbone par les océans

ISMER-UQAR, Rimouski QC

Rejoignez l’équipe de Mathilde Jutras, une nouvelle professeure d’océanographie à l’Institut des sciences de la mer (ISMER) de l’Université du Québec à Rimouski (UQAR) qui entrera en poste en juin 2025. Elle recherche des étudiants et des scientifiques de tous les niveaux pour fonder son groupe de recherche.

L’objectif du présent projet est d’étudier comment les phénomènes de méso-échelle affectent les propriétés biogéochimiques et les flux air-mer à l’aide de données observationnelles, et d’évaluer l’importance de ces effets sur les cycles biogéochimiques globaux à l’aide de modèles océanographiques. Les bouées autonomes Argo équipées de senseurs biogéochimiques (BGC-Argo) échantillonnent la colonne d’eau tous les 10 jours dans divers coins de la planète. En combinant les données des bouées voisines, nous identifierons les tempêtes et évaluerons leur impact sur les propriétés biogéochimiques et les flux air-mer. La portée global de ce phénomène sera étudiée en extrapolant l’effet des évènements de méso-échelle tels qu’observés dans une réanalyse océanographique. Dans le Golfe du Saint-Laurent, un estuaire hypoxique fortement stratifié, la diminution récente de la couverture de glace en hiver, saison des tempêtes, pourrait avoir des conséquences importantes sur la biogéochimie du système. L’impact des tempêtes sur les propriétés physiques et biogéochimiques sera étudié à l’aide de données hydrographiques historiques et nouvelles récoltées à bord du navire de recherche Coriolis II.

Il est aussi possible de développer d’autres projets selon les intérêts particuliers de l’étudiant.e ou du chercheur.euse.

Plus d'informations

Date d’entrée en poste flexible

Bourse de doctorat en Acoustique Marine (ISMER-UQAR)

ISMER-UQAR, Rimouski QC

Les planeurs sous-marins (gliders) sont des plateformes autonomes capables d’observer l’océan pendant plusieurs mois, sur des milliers de kilomètres et à des profondeurs de 0 à 1000 m. Extrêmement silencieux, ils sont de plus en plus utilisés à des fins d’observation acoustique des mammifères marins, des événements météo (vent, pluie, glace), et des activités humaines. Le projet proposé vise à caractériser la modification du champ acoustique induite par la présence du glider par réflexion, diffraction, et résonance, permettant ainsi de calibrer les niveaux de bruit mesurés, d’améliorer la localisation et le dénombrement des mammifères marins, et de quantifier les phénomènes physiques en surface.

La personne retenue conduira des travaux en laboratoire et en bassin visant à caractériser la réponse vibratoire de la coque d’un glider, développera un modèle décrivant les effets de la présence du glider sur le champ acoustique environnant (Glider-Related Transfert Function, GRTF) et en validera les performances lors d’une mission en mer dédiée. La personne recherchée possède une formation en génie, traitement du signal, vibration, acoustique marine, et souhaite appliquer ses compétences techniques au domaine de l’océanographie, au développement de méthodes d’observation de l’environnement marin par acoustique passive, à l’avancement des connaissances sur le bruit sous-marin et ses effets sur les écosystèmes.

Plus d'informations Les candidatures seront évaluées **à partir de juin 2025**.

Canada Excellence Research Chair

Dalhousie University, Halifax NS

Dalhousie University invites applications from world-class researchers for the 2026 Canada Excellence Research Chairs (CERC) Competition.

Dalhousie University invites applications from outstanding established researchers whose work aligns with any of the institution's Strategic Research Clusters outlined below:

1. Sustainable ocean: Areas of research include climate impact, marine life, technology and engineering, and social and human impact.

...

3. Climate tech and clean energy: Areas of research include: renewable energy generation, storage, and access; clean water, soil, and air; social dimensions of resource and environmental sustainability; sustainable tech and next-gen materials; sustainable and resilient built environment; and green chemistry.

...

5. Sustainable food systems: Research areas include: sustainable agriculture production systems; sustainable fisheries and aquaculture; food safety and nutritional quality; food policy, access, and distribution; food and farming technology; and social dimensions of food system sustainability.

...

Details

Review of applications will begin on **June 30, 2025**

Junior Professorship (W1) in Marine Evolutionary Genomics

GEOMAR, Kiel Germany

The Faculty of Mathematics and Natural Sciences at Kiel University has a joint appointment with the GEOMAR Helmholtz Centre for Ocean Research Kiel to fill this position as a temporary civil servant. The post is located at the GEOMAR Helmholtz Centre for Ocean Research Kiel (www.geomar.de) and embedded into the research unit "Marine Evolutionary Ecology" in the research division "Marine Ecology" (head Prof. Thorsten Reusch).

The successful applicant is expected to have deep proficiency in population genetics and ecological genomics, as well as in bioinformatic scripting, which also forms the basis for the associated teaching commitments. Teaching will mainly take place within the Master's program "Biological Oceanography" at GEOMAR. The teaching obligations are based on the state regulation on teaching obligations at universities (LVVO) of the state of Schleswig-Holstein and currently amount to 4 semester hours.

Details

Deadline 6 June 2025

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

GENERAL

The Hakai Institute

The Hakai Institute—part of the Tula Foundation—has offices in Quadra Island/Campbell River, Victoria, and Vancouver. We also partner with universities, NGOs, First Nations, government agencies, businesses, and local communities.

The roots of the organization extend back to the early 2000s when the Tula Foundation helped conserve key coastal habitats in partnership with the Nature Conservancy of Canada.

From land securement, the organization's focus shifted to supporting science on the BC coastal landscape to guide stewardship. One major hindrance was a lack of infrastructure to carry out the science. To fill that gap, the Hakai Institute ramped up its operations in 2009 with the purchase of the former Hakai Beach Resort fishing lodge on Calvert Island.

In 2014, the Hakai Institute expanded and we opened a second ecological observatory on Quadra Island. In 2015 and 2016, we extended our interests farther across the BC coast and to Washington and Alaska through strategic partnerships.

Home About Us Science & Technology Locations & Webcams Blogs & Videos Long Reads

L'Institut France-Québec Maritime

L'Institut France-Québec pour la coopération scientifique en appui au secteur maritime (IFQM) œuvre à créer des collaborations France-Québec durables et ainsi se positionner comme chef de file international dans le domaine maritime.

La première stratégie scientifique de l'IFQM a été bâtie à sa création, à l'occasion des premières Assises de France-Québec de la Mer en 2017, à Montréal. Plus d'une soixantaine de membres du monde de la recherche et de l'enseignement supérieur, des ministères de tutelle, du secteur de l'entrepreneuriat économique et de l'innovation, des gestionnaires de collectivités publiques ainsi que des membres de la culture scientifique ont défini six thématiques prioritaires, qui orienteraient les activités de l'Institut pour les années à venir.

À propos Appels Actualités Publications Avenir maritime Trois-Rivières, du 2 au 4 juin

ArcticNet

ArcticNet is a Canadian non-profit organization founded in 2003. The central objective of ArcticNet is to contribute to the development and dissemination of the knowledge needed to formulate adaptation strategies and national policies to help Canadians face the impacts and opportunities of climate change in the Arctic. To achieve this goal, ArcticNet supports northern research, capacity building, adaptation, and policy development for the Canadian Arctic. ArcticNet's unique approach bridges scientific expertise with Indigenous knowledge – putting all data on an equal footing.

Each year, ArcticNet hosts its Annual Scientific Meeting (ASM) that gathers over a thousand researchers, Indigenous knowledge holders, Northerners, as well as representatives from government and from non-governmental organizations. In addition, ArcticNet creates training and knowledge mobilization opportunities throughout the year, for example by hosting webinars, a podcast (Arctic Minded), a blog (Arctic Insights), and various contests for early career researchers.

About us Research Training Conferences Student Association Opportunities Knowledge mobilization

Oceans Advance

Oceans Advance is Newfoundland and Labrador's Ocean technology innovation cluster. Members are from industry, education & training, research and technology organizations, and government including federal, provincial, and municipal economic development departments and agencies.

Oceans Advance connects members with each other and with government partners to identify and promote opportunities. We support member companies through activities like learning sessions, training, networking events, and strategic advocacy. Our members are delivering world-class technologies and services on every continent.

We are your portal into the Ocean Tech ecosystem of Newfoundland and Labrador.

About Membership Ecosystem Partners News Events

Previous newsletters may be found on the CNC-SCOR web site. The CNC-SCOR website is hosted by CMOS.

Newsletter **#143** will be distributed in **July 2025**.

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 la SCMO.

Le Bulletin #**143** sera distribué en **juillet 2025** .

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

Abonnement et désabonnement

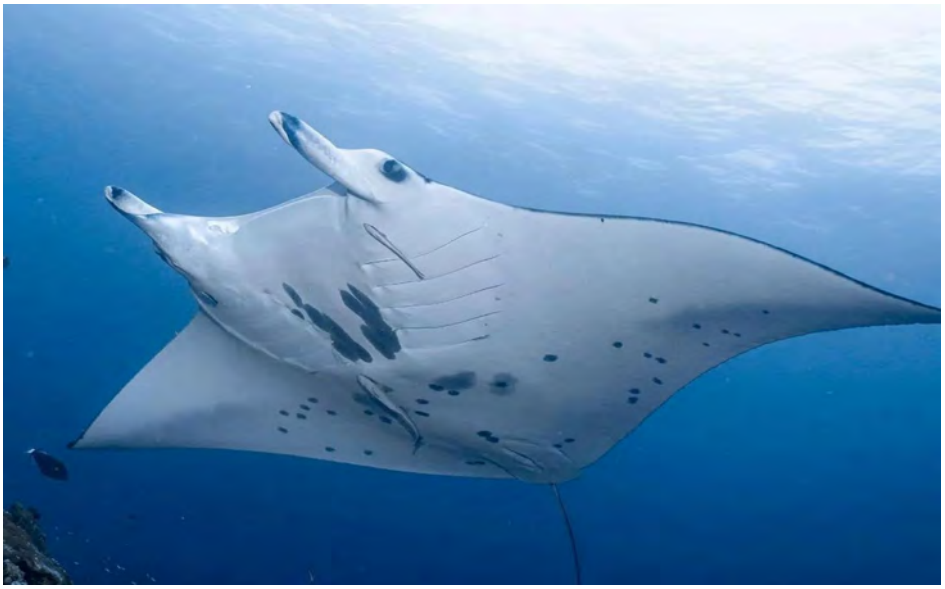
Si vous souhaitez vous abonner à ce bulletin ou annuler votre inscription, veuillez visiter le site web:

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

CNC-SCOR

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.

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.



WWW.CNCSCOR.CA