

**CMOS**  
Canadian Meteorological and  
Oceanographic Society



**SCMO**  
Société canadienne de météorologie  
et d'océanographie

# The New Wave

June 2026 Special Edition



Although our summer break has officially started, two premiere CMOS-related events were held in June – the annual CMOS Congress, and the World Ocean Day – and we felt that a special edition was warranted to report out on these events as well as share some good news regarding our scientific journal *Atmosphere-Ocean*. We hope you enjoy this special edition!

All CMOS members are automatically subscribed to ***The New Wave***. However, if you wish to opt out at any time, simply click the unsubscribe link at the bottom of the newsletter. **We would love to hear from you!** Please send any suggestions, comments or constructive criticisms you may have to [wave-comments@cmos.ca](mailto:wave-comments@cmos.ca). Thank you for being part of our community!

# Recent Events

## The 60th CMOS Congress: A Successful Virtual Event



The 60th CMOS Congress was a great success, thanks in no small part to its new virtual platform that provided generally smooth proceedings. Nearly 460 people attended, including about 100 students and retirees. Approximately 200 ECCC employees were also able to participate thanks to a blanket registration agreement with CMOS.

The Theme of the Congress was “**Navigating Uncertainty**”. Talks and posters highlighted the need to characterize and quantify uncertainty of measurements, forecasts and projections as a unifying feature of all aspects of atmospheric, ocean, and climate science. Of course, political and economic uncertainties also influence how research is done and used. The Congress brought together researchers from across the atmosphere, ocean, and climate sciences to discuss monitoring, mitigating, and managing these uncertainties, featuring virtual plenary presentations and scientific sessions addressing both research and operations.

Links to YouTube recordings of the proceedings can be found on the front page of the [CMOS website](#), including to the four very interesting Plenary talks:

- [The Art of Uncertainty: Planning for a Future that is Hard to Imagine](#) by Dr. David Spiegelhalter of the

University of Cambridge

- [Is the Rate of Warming Accelerating? A Statistical Assessment from Global to Regional Scales](#) by Dr. Claudie Beaulieu University of California Santa Cruz
- [Navigating Uncertainty in the AI Era of Weather Forecasting](#) by Dr. Christopher Subich of the Meteorological Research Division of Environment and Climate Change Canada
- [What we don't know – and Why it Matters](#) by Dr. Katherine Hayhoe, Chief Scientist for The Nature Conservancy and a Distinguished Professor at Texas Tech University

The [CMOS Awards Ceremony](#) took place June 3, 2026. Congratulations to the [awards recipients](#) and the [undergraduate scholarship recipients](#).

Two special awards were made during the Congress:

[The Timothy R. Parsons Medal](#) was established by Fisheries and Oceans Canada (DFO) to recognize achievement in ocean sciences. It honours the outstanding contributions of the late Dr. Timothy R. Parsons (1932 to 2022) in this field.

The 2026 Parsons Medal was awarded to Dr. Douglas Wallace (right), Department of Oceanography Chair and Professor of Oceanography, Dalhousie University.

[The Patterson Distinguished Service Medal](#) is awarded to residents of Canada for distinguished service to Meteorology. This award was established in honour of Dr. John Patterson, O.B.E., M.A., LL.D., F.R.S.C., eminent meteorologist and Controller of the Meteorological Service of Canada from 1929 to 1946.



The 2025 Patterson Medals were awarded to:

- Dr. Parisa A. Ariya (bottom left), James McGill Professor in Atmospheric and Oceanic Sciences, and Chemistry, McGill University.
- Dr. David Sills (bottom right), Northern Tornadoes Project, Deputy Director – Canadian Severe Storms Laboratory, Western University.



Feedback received indicates that the virtual format, the 12-minute presentations, and the flash talks were well received. The poster session also generated significant interest, with an average of 40 to 90 visitors per poster and about 30 minutes of discussion per author on average.

The first use of the Fourwaves platform appears to have gone off without any major hitches, according to initial feedback. The results of the ongoing survey will help confirm this impression.

We extend our warmest thanks to everyone who helped organize the Congress, facilitate the virtual rooms, and ensure the event ran smoothly. Thank you also to the participants for their flexibility and adaptability. We hope to see you next year, June 13–17 in Hamilton Ontario for our next in-person Congress! The Toronto Centre is hosting this 2027 Congress, and details will be available this fall on the CMOS website and via this Newsletter.

## **World Oceans Day 2026 - A Great Success!**

The [CMOS Atlantic Centre](#) — currently a pilot initiative — was thrilled to host a booth at the World Oceans Day NL event held on June 6 at the Marine Institute in St. John's, NL. The event welcomed nearly 2,600 visitors celebrating the ocean.

The booth highlighted ocean data and instruments, engaging visitors on the importance of measuring and monitoring ocean conditions and the techniques used to conduct those measurements. Thanks to our incredible team of 6 volunteers, we:

- Handed out nearly 400 colouring sheets featuring ocean data and instruments
- Collected over 300 votes in our Name the Drifter poll
- Received nearly 200 entries for our CoCoRaHS rain gauge draw

The Name the Drifter poll invited visitors to vote on four ocean-inspired names:

- **Eddy** – Named after ocean eddies, the giant swirling circular currents of water that this little drifter will be riding out in the Atlantic
- **Sheila** – A tribute to Sheila's Brush, the legendary Newfoundland spring storm, because this drifter will be out there braving the wild North Atlantic weather
- **Planktos** – Named after the ancient Greek word for 'wanderer' — the root word for plankton. Just like

the tiny drifting organisms that feed our fish and whales, this little drifter will wander wherever the ocean currents take it

- **Franklin** – Inspired by the historic Franklin Expedition, this little drifter is heading out on its very own grand voyage of ocean exploration

The winning name, selected by popular vote, was **Franklin**. Franklin's journey through the Northwest Atlantic can be followed on Instagram at [@driftingbyynl](https://www.instagram.com/driftbyynl).

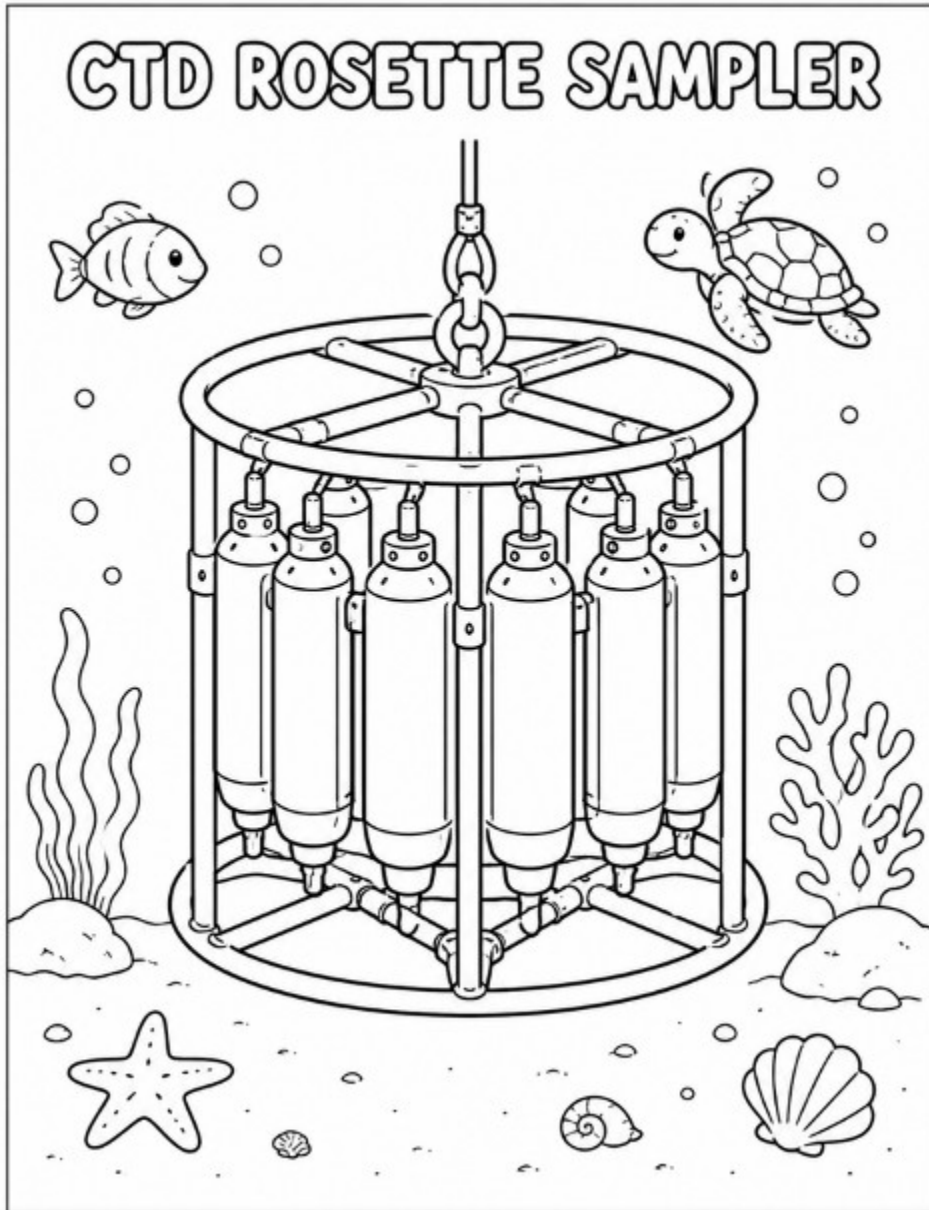
We hope the event inspired the next generation of meteorologists and oceanographers, and we look forward to making this an ongoing tradition!



*Figure 1: Visitors voted on their favourite drifter name using stickers. The names were Eddy (top left), Sheila (top right), Franklin (bottom left) and Planktos (bottom right). Franklin was crowned the winner with 98 votes, followed by Planktos (88), Sheila (79), and Eddy (55).*



*Figure 2: Our CoCoRaHS (Community Collaborative Rain, Hail & Snow Network) rain gauge draw was a hit — nearly 200 entries from visitors eager to become citizen weather observers!*



*Figure 3: Example of a colouring sheet featuring a CTD rosette. Other colouring sheets featured instruments used for measuring currents, mapping the seafloor, measuring water properties, collecting biological samples, and the use of remote sensing.*

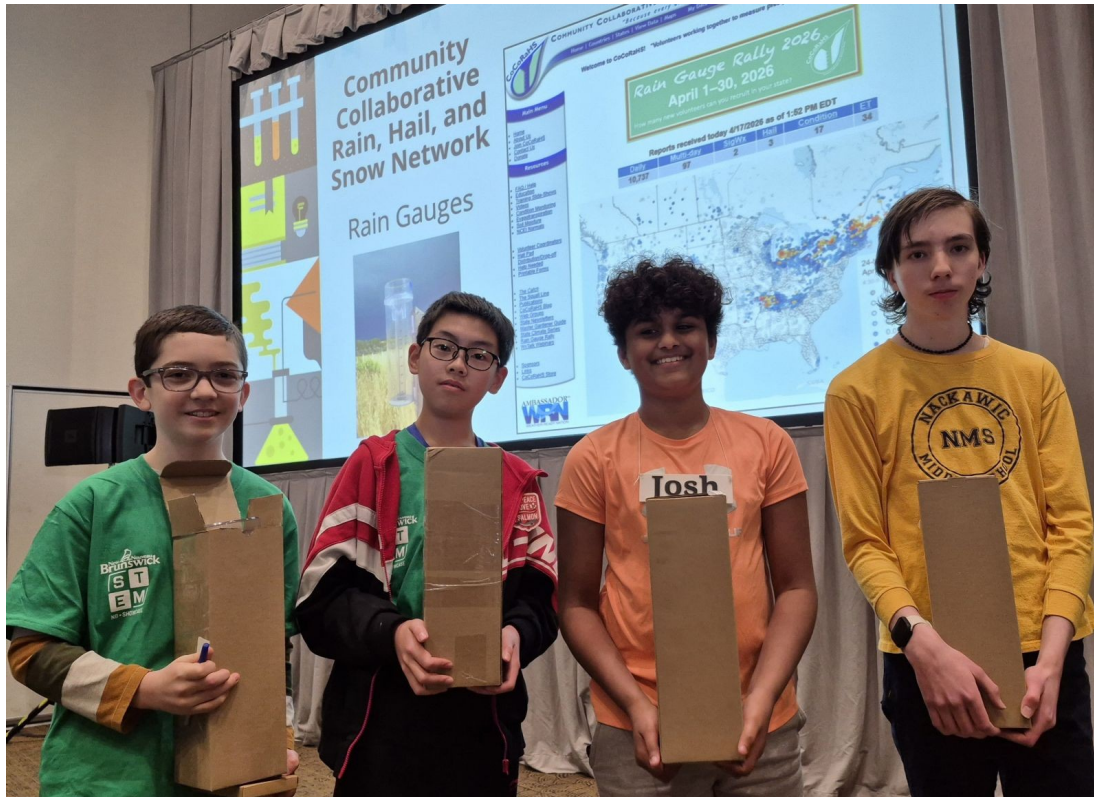


*Figure 4: Nancy Soontiens at the CMOS Booth for World Oceans Day 2026.*

## **Other Recent Events**

CMOS was happy to donate four CoCoRaHS precipitation gauges to New Brunswick's STEM Showcase, held on April 21 at the Fredericton Convention Centre. Holding up their prizes were, from left, Henry Edmund Peters

(Grade 6), Henry Enqi Gu (Grade 8), Josh D'souza (Grade 7), and Jensen Zsemeri (Grade 7) (below).



- A webinar on [National Strategies and Policies for Quantum Technologies](#) was presented by the OECD Science, Technology, and Innovation Branch on Jan 20, 2026 and can be viewed on YouTube
- Environment Canada provided a bilingual Update on Summer Weather Outlook June 5, 2026 and a recording can be viewed on CPAC [here](#)
- [Ocean Week Canada](#) is an annual national celebration of ocean events, learning, and engagement held during the week of World Ocean Day (June 8). In addition to the CMOS Event in St. John's NL (see above), hundred celebrations were held across Canada.

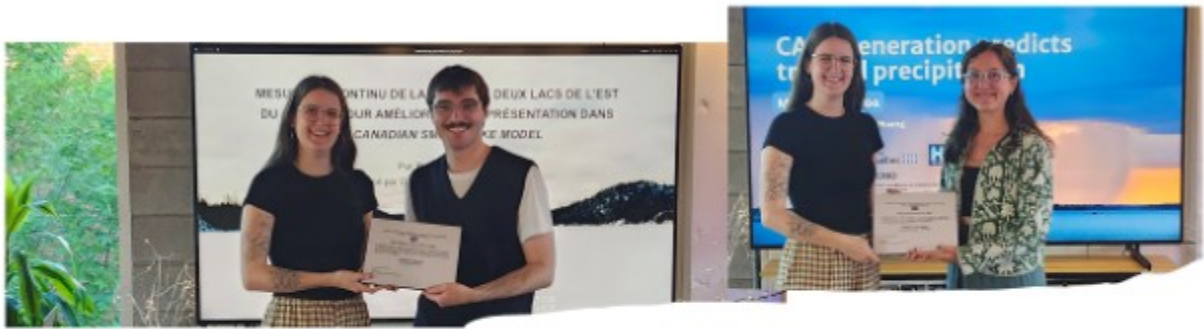
### **CMOS Montreal Event, June 3 2026**

The event brought together 22 participants at Quartiers Belle Gueule in a lively setting. On the program: 6 flash talks offering a glimpse of work presented at the virtual congress, followed by 2 student presentations from the award recipients.

The Oscar-Villeneuve Prize was awarded to Thomas Brady (Université Laval), and the Peter-Zwack Prize to Monica Figueroa (McGill), both present to share their work. Aude Garin (UQAM), also a Peter-Zwack Prize recipient, was unfortunately unable to join us.

The event was a great success, filled with lively discussions and meaningful exchanges among members,

colleagues and students!



**Les Belles Gueules  
Scientifiques  
Montréal – Congrès 2026**

### ***Atmosphere-Ocean* Reaches New Heights in 2025 Rankings**

We are thrilled to share some exciting news about *Atmosphere-Ocean*. The journal has had an outstanding year in terms of international recognition. The journal's Scopus CiteScore jumped from 3.1 to 4.5 and its standing improved significantly in both Oceanography and Atmospheric Science categories.

These results reflect a journal that is growing in influence and relevance. With a faster review process, new article types, and an expanded editorial board bringing expertise across modern themes including machine learning and AI, *Atmosphere-Ocean* is well positioned to showcase the best of Canadian atmospheric and oceanic science.

We encourage all CMOS members to consider submitting their work to *Atmosphere-Ocean*. Whether you are working in a traditional area or an emerging field, our editorial team is ready to handle your submission.

We are also actively welcoming proposals for special issues and article collections. If you have an idea for a themed collection that would bring together important work in your area of research, we would love to hear from you. Please reach out to the editorial team to discuss your ideas.

## **Upcoming Events**

- [The Goldschmidt Conference](#) is the primary meeting worldwide for the presentation and exchange of scientific ideas in geochemistry. Montreal, QC, 12 – 17 July 2026.
- [1st IEEE Canadian Atlantic Ocean Symposium, July 20 - 22, 2026, Halifax, NS.](#)
- The 2026 [AMS Madison Summit](#) will be held Aug 3-7 in Madison WI and will include conferences on: Weather Analysis and Forecasting; Numerical Weather Prediction; Severe Local Storms; Planned and Inadvertent Weather Modification; Mountain Meteorology; Cloud Physics; and Weather Warnings and Communication.
- [Estuarine Coastal Shelf Science ECSA 61. Brussels](#), Belgium, August 24-27, 2026. Bridging the gap between science and policy in estuarine and coastal environments.,,
- [World Congress of Marine Stations](#). Bamfield, BC, September 1-4, 2026.
- [Ocean Optics XXVII](#) Conference, September 13-18. 2-26 om Ghent Belgium.
- [Adaptation Canada 2026](#), September 22–24, 2026, Toronto, Ontario. Now in its third edition, Canada’s leading national conference on climate adaptation will bring together over 1,000 participants from diverse sectors and communities across Canadian sectors, communities, and regions
- [International Conference on Ocean Energy, ICOE 2026](#). The Hague, The Netherlands, Oct. 5-7, 2026. ICOE 2026 will focus on wave, tidal, and ocean current energy, as well as OTEC and salinity gradient technologies. The Hague, Netherlands, fall 2026.
- [PICES \(North Pacific Marine Sciences\)](#), Nanaimo, BC, October 24-30, 2026. Actionable Science for a Changing Ocean.
- [Advancing Digital Twins of the Ocean](#), November 2–5, 2026, Copenhagen, Denmark.
- [World Conference on Marine Biodiversity](#). Bruges, Belgium, November 17-20 2026. A high-level international meeting that focuses on the conservation and sustainable use of marine biodiversity.
- 2026 Global eDNA Conference, October 28-30, 2026. Seattle Washington, USA.
- [MedGU 2026](#) Annual Meeting, November 8-11, 2026, Cairo, Egypt, organized by The Mediterranean Geosciences Union (MedGU).
- [Marine Renewables Canada 2026 Conference & Exhibition](#). Ottawa, ON, November 17-19, 2026.
- The 18th annual [Canadian Science Policy Conference \(CSPC\)](#) will be held from Nov 25th-27th, 2026 at the Fairmont Château Laurier, Ottawa under the theme Sovereignty by Design: Mobilizing Action to Reshape Canada’s Science, Technology, and Innovation Capacity
- [AGU Fall Meeting](#), December 7-11, 2026, San Francisco CA USA.
- [Xiamen Symposium on Marine Environmental Sciences](#), January 12-15, 2027, Xiamen, China; will feature interdisciplinary, cutting-edge sessions covering physical, chemical, and biological oceanography, marine pollution, as well as marine policy and management.
- [ASLO 2027 Aquatic Sciences Meeting](#), 28 February – March 5, 2027, San Juan, Puerto Rico, USA.
- [Polar Marine Science Gordon Research Conference, The Polar Oceans as Global Lynchpins](#). March 21-26, 2027 in Pomona CA, USA.
- [2027 Ocean Decade Conference](#). Rio de Janeiro, Brazil, April 7-9, 2027. The conference will convene up to 2,000 participants for three days of high-level dialogue, partnership, and collaboration. It will be a milestone event of the UN Decade of Ocean Science for Sustainable Development (2021-2030).
- [OMAE Offshore and Arctic Engineering](#), June 7-12, 2027, in Tokyo, Japan,
- [ECSA 61- Bridging the gap between science and policy in estuarine and coastal marine biodiversity: the way forward](#), August 24-27, 2027. Brussels, Belgium.
- [7th DMS\(P\) Symposium: Sulfur - Carbon Nexus in the SOLAS Sphere](#), October 12-15, 2027, Boothbay Harbor, Maine, USA.

# News Items

This section brings you curated articles on recent severe events, cutting-edge research, and ongoing developments over the past couple of months. Of note, ECCC announced the launch of its new hybrid AI weather model. As well, there has been much media attention to the upcoming wildfire season and the forecasts of a “super-el Nino”.

## Oceanography

- [Distant winds can drive massive tropical warming deep below ocean surface](#) – The Current UC Santa Barbara
- [Global whaling peaked in the 1960s](#) – Our World in Data
- [‘Severe’ stress on oceans as rate of sea level rise doubles in 10 years, UN warns](#) – The Guardian
- [Scientists can now predict coral bleaching months before it happens](#) – Oceanographic
- [A climate-chaos triple-whammy has pushed Antarctica to the edge](#) – Oceanographic
- [MEOPAR-Ocean Exchange Neptune Award](#): Ocean data and artificial intelligence to address challenges and advance sustainable solutions for oceans, Great Lakes, and St. Lawrence River and Gulf. Application deadline: August 26, 2026.
- [Canada to host the 12th Our Ocean Conference in spring 2027](#), Halifax, N.S.
- [U.S. National Science Foundation reverses decision to dismantle oceans-monitoring network after outcry](#)

## Meteorology

- [Government of Canada prepares Canadians for upcoming hurricane season](#)
- [Le gouvernement du Canada prépare la population canadienne à la prochaine saison des ouragans](#)
- [Federal government warns of elevated wildfire risk heading into summer](#) – West Central Online
- [Environnement Canada rendra accessible un outil pour mieux se préparer aux tornades](#) – Le Journal de Montréal
- [Environment Canada launches new thunderstorm outlook](#) – Inside Halton

- [Weather experts concerned about public safety as Environment Canada disbands radar research team](#) – CBC News
- [Les experts s'inquiètent de l'arrivée d'El Niño](#) - La Presse
- [El Niño is here and could reach historic intensity. What does that mean for Canada?](#) - Canadian Geographic
- [Climate change may shift hailstorms towards earths poles](#) – The Conversation
- [Satellite launch pollution is rapidly accumulating in the upper atmosphere](#) – Phys.org

