



# The New Wave

January 2026



We hope everyone had a great holiday season and that you were able to spend quality time with family and friends. Welcome to our first edition of The New Wave for 2026.

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 like 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!

## Membership

### Membership Renewal

Thank you to those that have already renewed their membership for 2026. For those still looking to

renew, please use this [how-to guide](#) detailing the step-by-step process. Please renew **before March 31, 2026** to maintain your membership.

In December, CMOS President, Pat McCarthy and past-President Serge Desjardins were invited to give a talk to MSC staff on the value of CMOS. Serge did the French presentation and Pat did the English version. The sessions were well attended, and hopefully will encourage more operational folks to consider membership.

## Events

### Recent Events

A look back at the latest happenings! From conferences, seminars, and publications to exciting international events, catch up on key moments, insights, and takeaways from recent events relevant to the CMOS community.

- CMOS Ottawa Centre talk on [Climate Change, Mental Health and Psychological Wellbeing](#) presented by Stefania Maggi of the Childhood and Youth Studies Program and Department of Psychology, Carleton University, Ottawa Carleton University.
- CMOS Toronto Centre Talk on the [Health Impacts of Wildfire Smoke in Canada](#) - Dr. Carlyn Matz Senior Evaluator in the Water and Air Quality Bureau of Health Canada.
- Environment and Climate Change Canada has issued its annual [Canada's Top Ten Weather Stories](#) of the year for 2025. Topping the list is the 2<sup>nd</sup>-worst wildfire year on record and deepening drought conditions across the country.
- NOAA released its 20th [Arctic Report Card](#), revealing record warming in 2025. This comes amid concerns of future data deficiencies due to [funding cutbacks in the U.S. Arctic Observing Network](#).
- The Executive Committee of the American Meteorological Society issued a Rapid Response Statement following this week's Trump Administration announcement regarding [the National Center for Atmospheric Research \(NCAR\)](#).
- Victoria team takes global silver at [Ocean Hackathon](#).
- A major new international study led by ETH Zurich has, for the first time, estimated how many of the world's glaciers are expected to survive through the end of this century and how long each one is likely to last. [Peak Glacier Extinction in the mid-21<sup>st</sup> Century](#).
- [The Geneva Association's 2025 Climate Change & Environment Conference](#), took place virtually on 29 October 2025. Using wildfire risk management as an example, the conference showcased how innovation, preventive measures, and cross-sector collaboration can drive

and scale societal resilience to intensifying extreme weather.

## Upcoming Events

- [The 60th CMOS Congress](#) will be virtual and will take place from June 1 to 4, 2026. The call for abstract submissions has gone out and will be open from January 8 until Friday Feb 27th.
- [106th American Meteorological Society Annual Meeting](#) will be held Jan. 25-29, 2026 in Houston Texas. This is a hybrid event offering both in-person and virtual attendance.
- [Climate and Cryosphere Open Science Conference](#). Wellington NZ, February 9-12, 2026. The Changing Cryosphere: Science, Impacts and Adaptation.
- [Réunion scientifique annuelle \(RSA\) 2026 de Québec-Océan](#), Le 4 au 5 février, 2026, à l'Hôtel Universel de Rivière-du-Loup. La RSA se veut un moment privilégié pour partager nos connaissances, faire le point sur nos avancées et imaginer ensemble de nouvelles façons d'explorer, de comprendre et de protéger l'océan.
- [Ocean Sciences Meeting](#) February 22-27, 2026 Glasgow Scotland. The Ocean Sciences Meeting (OSM) is the flagship conference for the ocean sciences and the larger ocean-connected community. Website:
- [World Ocean Summit & Expo](#) Montreal, QC, March 4-5, 2026.
- [Oceanology International](#), London UK, March 10-12, 2026. Oceanology International 2026 is the premier global event for ocean science and technology. The event brings together industry leaders, researchers, and government representatives to explore cutting-edge solutions, share knowledge, and foster collaboration across the marine sector.
- [CMOS Undergraduate Scholarship](#) applications submission deadline, March 15, 2026.
- [ECCC-CMOS Undergraduate Scholarship](#) applications submission deadline, March 15, 2026.
- [EGU 26](#) Vienna, Austria and Online, May 3-8, 2026. Every year around 20,000 researchers from the full spectrum of research fields covered by 22 scientific divisions and beyond come together in Vienna, Austria, and online to share and debate critical cutting edge scientific discoveries. The meeting covers a range of fields such as planetary exploration, Earth observation, polar science, climate change, pollution, and natural hazards.
- [Joint conference of the International Association for Great Lakes Research \(IAGLR\) and the Society of Canadian Aquatic Sciences \(SCSA\)](#) in Winnipeg MB, May 25-29, 2026.
- [Aquatic Confluence: ASLO-SIL 2026 Joint Meeting](#), Montréal Convention Centre, May 12-16, 2026. This congress will stimulate exchange of methodological approaches and learning across scales by bringing together scientists from freshwater and marine realms. Abstract submission closes 19 November 2025.
- [H<sub>2</sub>O Home To Overseas Conference](#). Halifax NS, June 8-10, 2026. One of Canada's premier

events for the ocean technology sector and is attracting significant international participation.

- [Ocean Past Initiative XI](#). Victoria BC, June 15-19. The Oceans Past Initiative connects scholars and practitioners interested in documenting and understanding changes in marine systems and human-ocean interactions in past decades, centuries and millennia.
- [World Congress of Marine Stations](#). Bamfield, BC, September 1-4, 2026.
- [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.
- [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.
- [Marine Renewables Canada 2026 Conference & Exhibition](#). Ottawa, ON, November 17-19, 2026.

## Previews & Updates

# Bulletin & A-O Previews

Below is the table of contents for the latest issue of Atmosphere-Ocean. Of interest is an article on tornado damage from well-known meteorologist David Sills, as well as a number of ocean science papers.

### Applied Research / Recherche appliquée

- Global Sensitivity Analysis of the Historical Carbon Sink across Biomes: Raj S. N. Deepak, Christian Seiler, and Adam H. Monahan

### Fundamental Research / Recherche fondamentale

- “Variability of Surface Currents over Central Juan de Fuca Strait: Patrick F. Cummins



holding a going-out-of-business sale. Eight Onset HOBO metric tipping bucket rain gauges are available, most with working pendant data loggers. The loggers are programmable, allowing measurements to be taken at intervals ranging from 1 minute to 24 hours, with the option to select either interval or cumulative values. Built-in temperature sensor. Sturdy custom-built mount included for easy installation. Base station or shuttle not included.



Also available:

- Texas Electronics Tipping Bucket Rain Gauges TR525 M series (W/O loggers)
- Other assorted tipping bucket rain gauges (Sierra/Misco, OTA – W/O loggers)
- Manual rain gauge (WeatherMeasure)
- Temperature sensors (CS 107 3ft lead)
- Snow Sampling kit (USDA SCS)

Point of Delivery - Calgary

Anyone interested can contact Bill Thompson at 403-919-2183 or [thomwct@hotmail.com](mailto:thomwct@hotmail.com)

# News Items

This section brings you curated articles on recent severe events, cutting-edge research, and ongoing developments over the past couple of months. Reports and impacts of the Carney government's policies on meeting Canada's climate targets featured prominently. Oceans and Glacier Sciences also figured prominently.

- [Federal net-zero body falling apart in wake of Alberta-Ottawa deal](#)
- [Deux experts quittent le Groupe consultatif pour la carboneutralité](#)
- [2 top climate advisers quit, saying Carney government is ignoring its experts](#)
- [What the Carney government's pivot to carbon capture means for the climate](#)
- [Will this winter be colder or warmer than last? For most of Canada, it's a toss up](#)
- [Réchauffement climatique : les glaciers touchés par « un pic d'extinction » d'ici à 2050](#)
- [World heading toward 'peak glacier extinction' with up to 4,000 set to disappear a year](#)
- [Is geoengineering the solution to climate change?](#)
- [Wind West Atlantic Energy Project Identified as a Potential Canada Major Project](#)
- [Connecting the dots for ocean research and collaboration for a stronger Canada](#)
- [Where are the Zombie Worms?](#)
- [UVic researchers use AI to decipher fish sounds.](#)
- [A unique snapshot of plankton and particles in the Labrador Sea.](#)
- [Canada's growing profile in Antarctic research may get a boost with expedition in 2026.](#)
- [Trump's shutdown of climate research centre could push scientists up north, experts say.](#)
- [Canada's Ocean Supercluster announces \\$47 Million in new ocean innovation projects.](#)

