

CMOS
Canadian Meteorological and
Oceanographic Society



SCMO
Société canadienne de météorologie
et d'océanographie

The New Wave

June Announcement



This is our second regular bi-monthly edition, and the last before our summer break. We also issued a special edition last month dedicated to the joint CMOS-CGU Annual Congress that was held in Saskatoon May 25-29. Some early reports out on Congress can be found in the Recent Events section below.

Now that we have a few editions under our collective belts, we would appreciate hearing from you! What you liked, what we are missing, what you would like to see in future issues. Some of the additional features we have been thinking about are a section dedicated to CMOS Committee reports, an employment opportunities section and standing links to things like where to make donations to CMOS.

We would like to hear from you! Please send any suggestions, comments or constructive criticisms you may have to wave-comments@cmos.ca. Thank you for being part of our community!

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.

Events

Recent Events

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

AMS panel discussion on [Human Ingenuity vs Climate Change](#)

CMOS Ottawa Centre Talk - [The Gulf of St. Lawrence](#), undergoing warming conditions and extreme events. April 17, 2025 12:00-13:00 EDT

CMOS Toronto Centre Talk - [Atmospheric Rivers and Fires](#) across North and South America. May 15, 2025

The 2025 CMOS-CGU Congress was hosted in Saskatoon, SK from May 25-29.

- Please provide your feedback if you attended, in person or virtually.
https://www.surveymonkey.com/r/CMOSxCGU_2025_Delegate_Survey
- Most of the Sessions have been uploaded on to the [CMOS YouTube channel](#)
- The Awards Banquet was a great success this year, and the programme and honourees can be found [here](#), including this year's winners of the Parson's and Patterson Medals

Upcoming Events

After 50 years, Finding Hope in the Climate Crisis

Speaker: David Phillips: Climatologist Emeritus,

Environment and Climate Change Canada

Date: June 18, 2025, 2:00 p.m. ET

CMOS Toronto centre is pleased to host a virtual seminar by David Phillips, Climatologist Emeritus, Environment and Climate Change Canada. David has had a long and illustrious career promoting climate

and weather awareness in Canada and will share his perspectives on the Climate Crisis.

Please register on Zoom to receive access to the presentation

Registration Information

Adapting to a drier world in a changing climate: Launch of the OECD Global Drought Outlook

The OECD Green Talks LIVE webinar series allows participants from all over the world to engage and interact with world-leading experts from the OECD and beyond on all things environment.

Registration Information

The Unifying Innovations in Forecasting Capabilities Workshop 2025

This fall, the Earth Prediction Innovation Center (EPIC) and the Unified Forecast System (UFS) will deliver a four-day Unifying Innovations in Forecasting Capabilities Workshop (UFCW25) at University Corporation for Atmospheric Research (UCAR) Center Green in Boulder, Colorado or online, 8-12 September 2025.

The theme for this year's workshop is Building a Stronger UFS Community Through Collaboration and Knowledge Sharing. The workshop will cover a range of topics including highlighting success stories of EPIC and the UFS, Coupled Modeling, Artificial Intelligence/Machine Learning in Numerical Weather Prediction, Data Assimilation, and more. This event serves as an exceptional platform for presenting research findings, learning about the latest updates on the UFS, and engaging in meaningful discussions.

Registration Information

Previews & Updates

Atmosphere-Ocean Preview

ATMOSPHERE-OCEAN is the scientific journal of the Canadian Meteorological and Oceanographic Society. It publishes original research, survey papers, notes and comments in all fields of atmospheric,

oceanographic and hydrologic sciences. Applied or fundamental contributions, in French or English are welcomed.

The May issue of Atmosphere-Ocean features the first paper in the new article collection on Cold-Water Processes, as well as four fundamental research articles; two each in ocean and atmospheric science, with topics ranging from sea ice trends, to cloud-to-ground lightning trends in Canada.

For inquiries, please contact

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Council & Executive Matters

CMOS Annual General Meeting (virtual)

All members are invited to join June 19th, 2025 at 12:00pm EDT. Find the agenda, Annual Review (upcoming) and connection details [here](#).

Exciting Partnership Announcement: CMOS and CRHNet

The Canadian Meteorological and Oceanographic Society (CMOS) and the Canadian Risk and Hazards Network (CRHNet) are pleased to announce a new collaborative partnership focused on enhancing Canada's capacity for disaster risk reduction and climate resilience.

This partnership aims to strengthen the integration of meteorological and oceanographic sciences with the broader disaster management community, recognizing the essential role of atmospheric, oceanic, and environmental sciences in addressing Canada's growing vulnerabilities to both natural and human-induced hazards.

The [Canadian Risk and Hazards Network \(CRHNet\)](#) is a not-for-profit organization established in 2003, focused on promoting disaster risk reduction and strengthening emergency management across Canada. CRHNet brings together researchers, academics, and practitioners to share knowledge and best practices to reduce disaster vulnerability and build resilient communities. Its mission is to foster collaboration, innovation, and capacity building in disaster risk management through cross-sector partnerships.

What This Partnership Means

This strategic collaboration will facilitate knowledge exchange, cross-disciplinary research, and the development of innovative solutions that integrate weather, climate, and environmental sciences into emergency management practices. Both organizations are committed to advancing preparedness and resiliency, creating a safer and more resilient Canada by addressing the multifaceted challenges posed by climate change and disaster risks.

We look forward to the shared opportunities this partnership will bring, including collaborative research, educational efforts, and joint events that will serve to improve both preparedness and response to catastrophic events across the country.

Together, CMOS and CRHNet are poised to make a meaningful impact on Canada's disaster risk reduction landscape, drawing on the collective expertise of our members and stakeholders. Stay tuned for more exciting updates and initiatives as we work together to create a more resilient future for all Canadians.

Centres' Updates

In future editions, this space will be dedicated to updates from our Centres across the country, reporting on activities and events that keep members connected in their own part of the country.



News You Can Use

This section brings you curated articles on recent events, cutting-edge research, and ongoing developments over the past couple of months. Reports and impacts of the fires burning across Canada dominated news these past few weeks. Increasing effects of governments on science has also continued to receive attention.

- Les fumées des incendies dans l'Ouest canadien visibles jusqu'en Europe:
<https://www.journaldemontreal.com/2025/06/03/les-fumees-des-incendies-au-canada-visibles-en-europe>
- Thousands evacuate from fast-moving fires in Canada:
<https://www.bbc.com/news/articles/cz9yv2g07p0o>
- Canada's election: what Mark Carney's win means for science;
https://www.nature.com/articles/d41586-025-01343-1?WT.ec_id=NATURE-202505
- Scientific societies say they'll step up after Trump puts key climate report in doubt:
<https://www.richmond-news.com/environment-news/scientific-societies-say-theyll-step-up-after-trump-puts-key-climate-report-in-doubt-10606542>
- Une équipe de McGill veut défendre la science contre les menaces de Trump:
<https://www.ledevoir.com/environnement/875455/equipe-mcgill-veut-defendre-science-contre-menaces-trump>

- MEOPAR – WEBINAR SERIES REPORT: Canadian Perspectives and Pathways for Ocean-Based Climate Interventions JULY 8, 2024:
https://meopar.ca/wp-content/uploads/2024/11/MEOPAR%E2%80%93webinar%E2%80%93report%E2%80%932024_ENG-1.pdf
- Costs for climate disasters to reach \$145B in 2025, says Swiss Re:
<https://www.reuters.com/sustainability/climate-energy/costs-climate-disasters-reach-145-bln-2025-says-swiss-re-2025-04-29/>
- A.I. Is Quietly Powering a Revolution in Weather Prediction:
<https://e360.yale.edu/features/artificial-intelligence-weather-forecasting>
- L'intelligence artificielle pour se préparer aux catastrophes climatiques:
<https://www.ledroit.com/actualites/actualites-locales/2025/04/16/gatineau-lia-pour-se-preparer-aux-catastrophes-climatiques-C6BCIJZ7DNF6ZGOMATQZ34R6AM/>
- Climate crisis has tripled length of deadly ocean heatwaves, study finds:
<https://www.theguardian.com/environment/2025/apr/14/climate-crisis-has-tripled-length-of-deadly-ocean-heatwaves-study-finds>
- D-Day - the most important weather forecast in history: <https://www.metoffice.gov.uk/about-us/who-we-are/our-history/met-office-d-day-weather-forecast>

