Climate Action for Lifelong Learners

CALL newsletter
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Sign up to CALL's mailing list to receive the newsletter and invitations to monthly learning and interest group meetings. Check out CALL's website.

The Advocacy Interest Group is the only group meeting in October



Join the Advocacy Interest Group
Date & time: Wednesday, October, 21
at 10:00 am ET on Zoom

With Municipal elections just around the corner (October 26), we are delighted that How-Sen, Climate Campaigner at Toronto Environmental Alliance and Susan Bakshi, Chair of the Toronto Wards Project at ClimateFast, will join us to discuss the role of municipalities in addressing climate change and what we can do to act locally.

CLICK HERE to join the meeting on the 21st. Advance registration is not required.

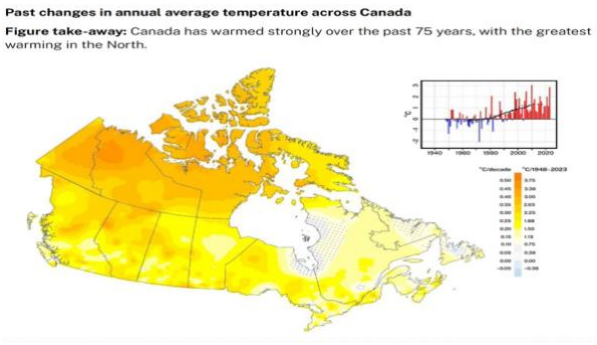


The seventeenth meeting of the **Conference of the Parties to the Convention on Biological Diversity (COP 17)** will take place from October 19- 30 in Yerevan, Armenia.

You can stay up to date on COP17 by subscribing to the CBD Secretariat's **COP 17 Round-up Newsletter** on Linkedin.

Also, the 2026 UN Climate Change Conference (COP31) will take place from November 9-20 in Antalya, Turkey.

Federal report on Canada's Changing Climate should be "required reading for every leader" says Rick Smith, President of the Canadian Climate Institute



Canada's Changing Climate Report 2026 is the federal government's major update to the 2019 assessment. It draws on the latest peer-reviewed science and contributions from more than 100 Canadian experts. The report contributes to the national assessment of how and why Canada's climate is changing; the impacts of these changes on our communities, health, environment and economy; and how we are adapting across the country.

Key findings — in brief

- **Canada is warming about twice as fast as the global average.** Since 1970, Canada has warmed nearly twice as fast as the world overall, while the Canadian Arctic has warmed about three times as fast.
- **The warming is overwhelmingly human caused.** The report concludes that human influence is the only plausible explanation for the broad collection of observed changes across Canada's atmosphere, land, freshwater and oceans.
- **Climate change is already altering virtually every part of Canada's climate system.** There are more extreme heat events and fewer extreme cold events, longer growing and wildfire seasons, earlier snowmelt and peak streamflow, shrinking snow and ice cover, glacier loss, permafrost thaw, warmer and more acidic oceans, and rising sea levels.
- **More warming is locked in over the next couple of decades.** Canada is projected to warm another about 0.9°C between 2021 and 2040, regardless of emissions scenario in the near term.
- **The longer-term outcome depends strongly on global emissions.** Under a scenario roughly consistent with current global climate policies, Canada's average temperature could reach about 5°C above the 1850–1900 level by 2081–2100. Under a net-zero pathway, warming could stabilize at roughly 3.5°C above that historical baseline.
- **Extreme weather will intensify.** The report projects more frequent and severe heat extremes, droughts, flash floods and extreme wildfire weather. Fire seasons, which are already lengthening, are expected to become longer still.
- **Water security is becoming a significant concern.** Earlier snowmelt and peak streamflow, combined with declining glacier contributions in some western watersheds, threaten summer freshwater availability in southern Canada.
- **Canada's snow, ice and glaciers are undergoing major changes.** Western Canada's glaciers are projected to lose more than 75% of their mass under a current-policies scenario, while permafrost thaw will continue.

Ryan Ness from the Canadian Climate Institute points out "although the near-term warming is largely unavoidable, the degree of warming later this century is not. Canadian governments now have a clear

account of the range of climate threats ahead. How they act on that information will decide which future we, and our children, inherit."

More on the groundbreaking reports from the UN and the Canadian federal government:

- Here is an excellent summary of the UN 's climate report, **Limiting Overshoot: Navigating exceedance of 1.5 C and pathways toward return** from Dr. Ayana Elizabeth Johnson called **"I read the new UN report, so you don't have to".** Dr. Johnson is a marine biologist, policy expert and author who focuses on climate solutions, ocean conservation, and environmental justice.

- This blog by Canadian Climate Institute's Ryan Ness on the **Canada's Changing Climate report** points out that "we must now prepare for decades of more extreme and damaging weather." Also see the YouTube discussion on the report with **Mitchell Beer, publisher of the Energy Mix and Rick Smith, President of the Canadian Climate Institute.**

Take action	
Tell the Canada Pension Plan: Protect our retirement security in a changing climate	**TIME SENSITIVE** **In advance of the CCIB's public meetings on October 8,** please sign the petition to **Protect our retirement security in a changing climate** and call on the CPPIB to develop a climate plan, stop investing in fossil fuel expansion and respect Indigenous rights.
Make your carbon wave	Dr. Leah Stokes, Author & Professor of Environmental Politics created the **Carbon Wave Calculator** to help us answer the question of "what can we do to solve this problem?" As Dr. Stokes writes, "this isn't about your carbon footprint. Carbon pollution doesn't fall because individuals perfect their "lifestyes. It falls when people create waves of change that transform our energy system away from dirty fossil fuels towards clean electricity and electrification." This **interactive tool** shows how everyday people can change the fossil fuel system through clean electricity and electrification.



Get involved in a local group for the Fall Week of Action and attend events in your locality.
The focus of these **Seniors for Climate** events will be on meeting with Members of Parliament and Municipal Leaders across the country to breakthrough the climate silence.

For more information and to register for the **Climate Week of Action,** go to: **SeniorsForClimate.org**

Climate Conversations Matter -- worth watching more than once!



WATCH the video recording from the September 9th webinar on **Climate Conversations Matter** with Katharine Hayhoe. This webinar kicked off Seniors for Climate's Fall Week of Action – October 12– 18.

For more from Katharine Hayhoe -- **WATCH** CBC's interview on YouTube: Climate change 'loading the dice' for extreme weather to occur.

How to build a more flexible, quieter, less obnoxious data centre

Volts is a podcast hosted by veteran journalist David Roberts

Verrus is building data centers designed to address every objection the public has raised: they use batteries instead of diesel generators, which makes them grid assets that help hold down power prices; they use closed-loop cooling, which uses a tiny fraction of the water; their equipment is quieter; and as a bonus, they squeeze more servers into the same grid connection.

In this episode, CEO Nelson Abramson walks through the engineering — and the politics that the engineering hasn't quite solved.

LISTEN

Join an indepth discussion group on solving climate change



If you are interested in a group where you can meet in person to discuss 50 questions and answers on how to solve climate change, the **Academy of Lifelong Learning** has just such a group. It's called Climate Change---'Clearing the Air".

The group is discussing Hannah Ritchie's latest book. As Saul Griffith, author of *Electrify*, says about the book "the world needs practical, calm, and data-led climate problem solving and *Clearing the Air* provides answers—and hope—in spades."

The group meets every other week throughout the academic year. There's still time to register—**the next class is on October 8.**

For more information on the Climate Change---'Clearing the Air' workshop, **click here** – and to join the Academy of Lifelong Learning **click here.**

Consider joining our newsletter team!

Anne Heber, a valued member of our newsletter team, is stepping down from her work on the newsletter. Anne is one of the original members of the team and helped shape it from the beginning. After **65 editions**, she has decided it's time to move on. We've had a lot of fun working together, and we are really going to miss her. Please join us in thanking Anne for all she has done to make the newsletter what it is today.



With Anne leaving, consider joining us!
It's a wonderful opportunity to learn more about climate change while working with a great team. The time commitment is modest—typically **two to three** hours a month. We are looking for someone who is comfortable using Microsoft Word and who would enjoy proofreading and formatting the final newsletter, as well as contributing to content. If you're interested, we'd love to hear from you**.**

Contact any member of the newsletter team or the Leadership Team at the email address below.

Donate to CALL

SMALL CHANGE FUND
Bring your change here.

CALL's bi-annual donation drive is on now.

Thanks to those who have already donated but we still have a way to go to reach our 2026 goal of $6,250. Any amount you can give is helpful. **Click here to donate to the CALL Small Change Fund.**

CALL's leadership team

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