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CLIMAtlantic

Enhancing Atlantic Climate Resilience

NEWSLETTER

SEPTEMBER 2024



This month's newsletter contains:

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FROM ACROSS ATLANTIC CANADA & BEYOND

News

Will the 2024 Atlantic Hurricane Season be extreme?, Ouranos

Early in the 2024 hurricane season, storms like Hurricane Beryl and Hurricane Ernesto have already made their mark. Forecasters are concerned that the record-breaking warming of the Atlantic Ocean is contributing to the formation of stronger and more frequent storms.

This could lead to an active and prolonged hurricane season. Hurricanes pose risks across Atlantic Canada, from storm surges in coastal areas to flooding and wind damage inland.

For coastal regions, retreat from high-risk zones, restoration of natural defenses like wetlands, and flood barriers should be prioritized. Inland areas must focus on flood management, resilient infrastructure, and strong emergency preparedness. It's also essential to use real-time monitoring tools such as ECCC weather forecasts, and to ensure public awareness of safety measures, from evacuation planning to securing homes.

Communities should explore adaptation options that best suit their situation. Building long-term resilience is essential as climate change intensifies storms. Visit our [Coastal Adaptation Toolkit](#) to learn more about how to prepare your community or property for extreme weather events.

For more information about the 2024 hurricane season, visit [Ouranos' 2024 Hurricane Analysis](#).

Funding

Climate Change and Health Capacity Building, Health Canada – This new program from Health Canada addresses the impacts of climate change and extreme heat on health through two streams:

- **HeatADAPT** supports projects that address the health impacts of indoor heat, and/or to develop preparedness and adaptation actions to extreme heat (e.g., alert and response actions, surveillance of symptoms). Application deadline: Sep. 5, 2024. [Learn more](#).
- **HealthADAPT** supports projects that determine and implement adaptation actions for climate-related health risks and issues (e.g., updating health and climate change adaptation plans, implementing measures to reduce health risks, and/or training and learning for the health sector). Application deadline: Sep. 19, 2024. [Learn more](#).

Climate Change and Health Adaptation Program (CCHAP), Indigenous Services Canada – CCHAP supports First Nations and Inuit communities by funding projects aimed at responding to the health impacts of climate change, focusing on areas such as heat-related illnesses, emergency preparedness, mental health, and food security (e.g., health-related adaptation plans, information materials, etc.). Two streams are available South of 60°N and North. Application deadlines: Sep. 20, 2024 (South of 60°N); ongoing (North). [Learn more](#).

Upcoming Events

September 4, 2024 (in-person, Saint Andrews, NB) - Conservation Council Wildfire Workshop. The Town of St. Andrews, the St. Andrews Fire Department, and FireSmart are hosting a free workshop on wildfire preparedness. To register for an evening of learning, hands-on activities, and chances to engage with wildfire experts, [click here](#).

September 19, 2024 (hybrid, Halifax, NS) - Symposium: Threats to Community Groundwater Resources in Nova Scotia (Dalhousie Coastal Hydrology Lab). Groundwater resources can be impacted by climate change, including via floods, droughts, and saltwater intrusion. Learn about these impacts and more threats to critical groundwater resources in Nova Scotia at this symposium. [Learn more and register](#).

September 24-26, 2024 (in-person, Ottawa, ON) - Canadian Emergency Preparedness and Climate Adaptation Convention 2024 (CEPCAC). This conference will include panels and showcases that explore leading-edge emergency response strategies and approaches to make infrastructure climate resilient. [Learn more.](#)

Hiring

Operations Program Manager - SmartICE (open until filled). SmartICE is seeking someone to oversee and lead management and execution of ice monitoring operations across 30+ communities in Inuit Nunangat and northern territories. SmartICE offers a number of tools that integrate Indigenous and local knowledge of ice with advanced data acquisition, remote monitoring and satellite mapping for ice travel safety in a changing climate. [Learn more.](#)

Coordinator, Disaster Risk Reduction and Climate Adaptation - Canadian Red Cross (open until filled). The Canadian Red Cross is hiring a coordinator responsible for support, coordination, delivery, administration, monitoring, reporting and development of disaster risk reduction and climate change adaptation projects in the Newfoundland and Labrador Region. [Apply here.](#)

For more career opportunities related to climate adaptation and the environment, check out the [Goodwork](#) website, or join the [Maritime Environmental Jobs Facebook group](#).

NOTEWORTHY TOOLS & RESOURCES

A Guide to Advancing Climate Equity Through Place-Based Collaboration, Tamarack Institute

A new resource from the Tamarack Institute shares inspiring stories, steps to get started, and ideas for place-based collaboration. 10: A guide to Advancing Climate Equity Through Place-Based Collaboration highlights that climate change adaptation is a local and regional process, and that understanding equity and place is essential for building resilience in local communities. [Learn more.](#)

ACCESS THE RESOURCE

DATA HIGHLIGHT

Global Warming Levels: A New Lens on Regional Climate Change Impacts, ClimateData.ca

ClimateData.ca has released new content in its Learning Zone on Global Warming Levels (GWLs). GWL is a method that links regional climate impacts to key thresholds of global

temperature rise. This approach provides a view of how climate change will affect specific regions, using graphs and maps to visualize these impacts. Focusing on global warming levels makes it easier to understand regional climate projections and future risks. Explore the introduction to GWLs [here](#) and dive deeper into the details [here](#).

ACCESS THE DATA

WHAT'S NEW FROM CLIMATLANTIC

Tell us your thoughts: Possible CLIMAtlantic Webinar Series

CLIMAtlantic is planning a series of webinars or lunch & learns over this fall and winter. Please let us know if there are topics of interest, and if you or somebody you know would be interested. [Click here to tell us your thoughts](#) by **September 16th**.

FILL OUT THE SURVEY

Managing Expectations, Climate Story Network

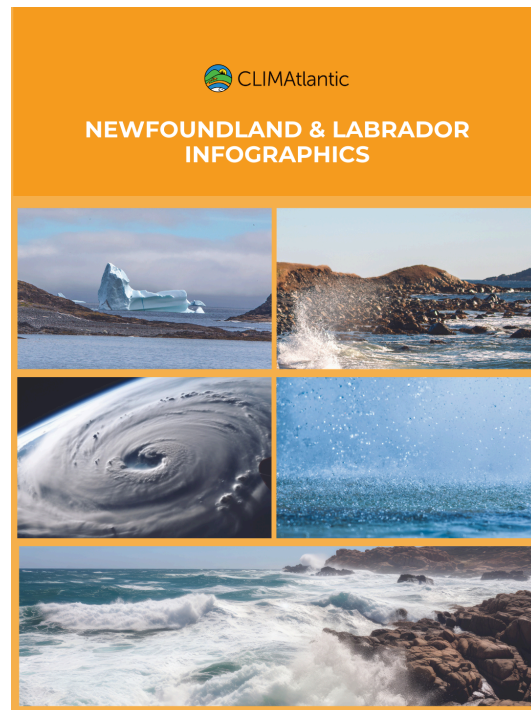
CLIMAtlantic was featured in a new article by the Climate Story Network that discusses the evolution of the organization. Sabine Dietz, our executive director, talks about the constant need for adjustment that comes with the disruptiveness of climate change, and how we should think critically about the future when it comes to climate change adaptation projects.

READ THE ARTICLE

Newfoundland and Labrador Infographics

Newfoundland and Labrador is already experiencing serious impacts of climate change and more are coming; particularly in Labrador where Indigenous peoples have been sounding the alarm on these impacts for decades. New infographics for the province, developed by econext with our collaboration, highlight how climate change impacts aspects of ecosystems, livelihoods, culture, health, and wellness. French versions of these infographics are on the way.

Find the infographics on increasing temperatures, rising sea levels, more frequent and intense storms, increased precipitation, and oceanic changes, on our Resources + Reports webpage and in our Adaptation Library.



[ACCESS THE INFOGRAPHICS](#)

WHAT WE'VE BEEN UP TO

On August 14th, 2024, CLIMAtlantic hosted an online idea exchange for HeatADAPT, a funding program aimed to assess climate-related health risks and implement adaptation measures to address them. The goals of the idea exchange were to increase the capacity of Atlantic Canadian organizations working on climate change and health to put in stronger and collaborative funding applications by creating a space for them to network, exchange ideas leading to eventual partnerships.





CLIMAtlantic collaborated with Wheatley River and Hunter Clyde watershed groups, Gulf Shore Community Health, STEAM PEI, and the Town of North Rustico to host an all ages event focused on macroinvertebrates and their connection to climate change and adaptation on August 15.

Macroinvertebrates (small aquatic insects) are indicators of ecosystem health and are influenced by impacts such as increasing temperatures and extreme weather. Monitoring these organisms helps us steward the ecosystems more effectively.

Attendees viewed macroinvertebrate samples under microscopes and explored a watershed model showing how pollutants affect water quality. We also provided activity sheets, flower crafts, and stickers!

Thank you, Camille, Heather, Ivo, and Sydney!

Camille Neri, our Climate Adaptation Assistant, Heather, our Support Specialist, Ivo, our Climate Adaptation Assistant, and Sydney, our Communications Assistant finished with CLIMAtlantic in August 2024. We'd like to thank them for their work in supporting the team, and wish them all the best with their futures.



THANK YOU

Heather, Sydney,

Ivo, & Camille



WHAT'S NEW ON OUR BLOG

Mi'kmaw Moons - September

From September 7 to October 8, the moon in the Mi'kmaw calendar is known as Wikumkewiku's (We-goom -gay-we-goos), the mate calling moon. In the last edition of Mi'kmaw Moons, Alex Cadel, our Climate Services Specialist-Nova Scotia, examines the increasing average maximum temperature of September in Wagmatcook First Nation and how it relates to changes in animal behaviour during the breeding season.

Learn [more here](#).



READ OUR BLOG

WHAT WE'RE READING

"Inside a new experiment to find the climate-proof coffee of the future," *Grist*

Climate change threatens the availability of many staple food products globally. One of these is coffee, which has very particular environmental requirements for growing and is vulnerable to rising temperatures, diseases, and inconsistent rain patterns. Innovia, a new project led by World Coffee Research is developing varieties of coffee more suited to these environmental changes with traits such as disease resistance. These new varieties, in combination with other adaptation measures such as planting shade trees, can better ensure the resiliency of local farmers in a changing climate.

READ MORE

"Climate change poses potential threat to traditional harvesting practices in Indigenous communities in Labrador," *Saltwire*

Climate change is profoundly impacting Indigenous hunting and fishing practices in Labrador, as rising temperatures threaten the availability of traditionally harvested species such as Arctic char and caribou. In addition, unpredictable weather patterns make hunting and fishing more challenging, threatening Indigenous livelihoods and cultural practices.

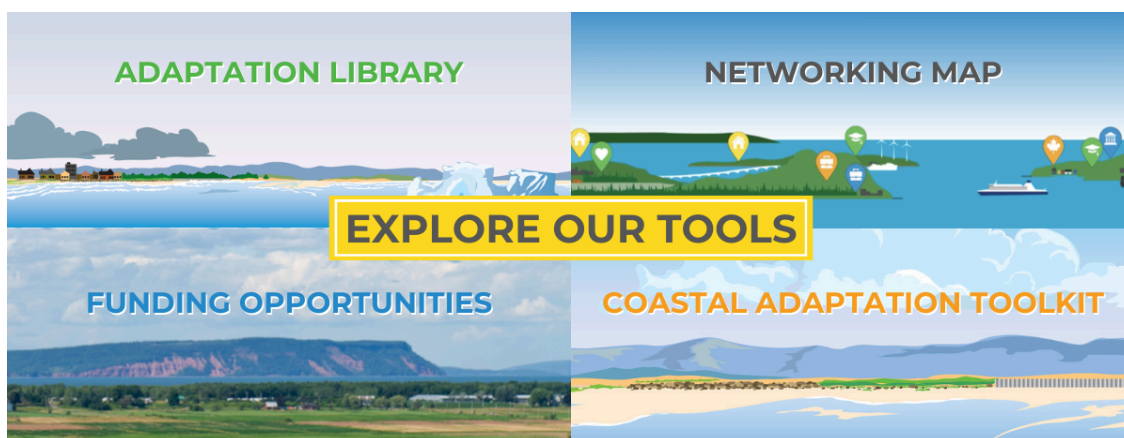
[READ MORE](#)

WHAT WE'RE WATCHING

PEI Climate Stories: Eric Gilbert of Victoria, PEI, UPEI ClimateSense

Eric Gilbert, a local chocolatier in Victoria, PEI, shares his perspectives on environmental, developmental, housing, and livelihood considerations, along with jurisdictional challenges that go into adaptation planning. He discusses the town's history of adaptation failures as it experienced increasing impacts from flooding and erosion due to climate change. The community is starting to put more energy into planning infrastructure that is efficient enough to increase resiliency without disrupting local livelihoods.

[WATCH THE VIDEO](#)



[BROWSE OUR TOOLS](#)

CLIMAtlantic's Help Desk

Looking for help accessing or interpreting climate data? Need help to figure out your adaptation options? Not sure where to find projections, or need guidance on how to use them? CLIMAtlantic is here to help!

[Email us](#) or give us a call at **1-506-710-2226**

HELP DESK

Kindest Regards,

- The CLIMAtlantic Team



The Government of Canada launched the Canadian Centre for Climate Services (CCCS) in October 2018, and as part of the program's mandate, began supporting the establishment of regional hubs to build capacity across the country and provide access to localised information and support needed to make communities and the economy more resilient to the impacts of climate change.

This project was undertaken with the financial support of:
Ce projet a été réalisé avec l'appui financier de :



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

CLIMAtlantic was created in partnership with all Atlantic Canada's Provincial governments, and the support from the Ecology Action Centre, New Brunswick Environmental Network (NBEN), and Aster Group Environmental Services Co-op.



NEW BRUNSWICK
ENVIRONMENTAL NETWORK
RÉSEAU ENVIRONNEMENTAL
DU NOUVEAU-BRUNSWICK



CLIMAtlantic.ca

Enhancing Atlantic Climate Resilience

CLIMAtlantic works throughout Atlantic Canada, all of which is part of the unceded and traditional territories of the Mi'kmaw, Wəlastəkwiyyik, Peskotomuhkati, Innu, and Inuit Peoples.

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