Call for Abstracts

Conference – *Science for Adaptation 2027*

20 et 21 mai 2027 | École de technologie supérieure, Montréal, Canada

Institut AdapT, hosted by École de technologie supérieure (ÉTS), invites you to submit presentation proposals of your research results for the inaugural *Science for Adaptation Conference*.

This international scientific conference aims to bring together the research community working on the technical, social, economic, and policy dimensions of climate change adaptation. The event will provide a unique opportunity to showcase the latest scientific advances, foster interdisciplinary exchanges, and develop new collaborations among researchers from Canada and around the world.

Important Dates

- Call for abstracts opens: November 9, 2026
- Submission deadline: January 31, 2027
- Notification of acceptance: March 2027
- Preliminary program: April 2027
- Conference: May 20-21, 2027

Presentation Format

Accepted contributions will be presented as oral presentations:

- **15-minute presentation**
- **5-minute Q&A session**

Presentations may be delivered in **French or English**.

Themes

Infrastructure and Technical Solutions

1. Integrated Stormwater Management in a Changing Climate (green infrastructure, urban drainage, extreme weather events, retention ponds, hydrological methods)
2. Treatment and Resilience of Drinking Water and Wastewater Systems (system robustness, emerging contaminants, network overload, aquifer recharge, aging infrastructure, untreated wastewater)
3. Coastal Infrastructure Adaptation to Flooding and Erosion (protective structures, hybrid solutions, modeling, erosion, coastal flooding, storms, flood-prone areas, managed retreat)

4. Thermal Comfort and Resilience of Buildings and Urban Spaces (urban heat islands, public health, urban design, thermal modeling, energy efficiency, urban greening, heat waves)
5. Sustainable Materials and Low-Carbon Construction Methods (innovative materials, prefabrication, circular economy, evolving standards)
6. Resilient and Decarbonized Energy Systems (microgrids, renewable energy integration, climate resilience, smart grids, energy security and independence)
7. Infrastructure design and management (accelerated deterioration, adaptation of standards, maintenance, structure, refurbishment, freeze-thaw cycles, structural monitoring, roads, bridges, railways, airports, ports, buildings, building envelopes, etc.)
8. Adaptation of Infrastructure in Northern and Remote Communities (permafrost, accessibility, logistics, landslides, energy autonomy, thawing ground conditions)
9. Wildfire Risk Management for Infrastructure (wildland-urban interface, fire-resistant design, detection and forecasting, drought-related vulnerability)
10. Life Cycle Assessment and Carbon Footprint of Infrastructure (decision-support tools, future climate integration, standards, performance indicators)

Social Sciences, Humanities and Governance

1. Standards, Public Policy, and Adaptation Governance (regulations, liability, multi-level planning and governance)
2. Social Acceptance and Community Engagement (psychosocial barriers, co-development, risk communication)
3. Equity, Green Gentrification, and Distribution of Benefits (climate justice, access to resilient infrastructure, territorial equity)
4. Difficult Decisions: Relocation, Prioritization, and the Ethics of Adaptation (protection versus retreat, policy trade-offs, vulnerability)
5. Economic Dimensions of Adaptation and the Insurance Crisis (long-term investments, insurance, value of green infrastructure, cost-benefit analysis, cost internalization)

Submission Requirements

Authors are invited to submit:

- Presentation title;
- Author names and affiliations;
- Selected theme (**top three choices**);
- Abstract of 300 to 500 words.

Evaluation Criteria

Proposals will be evaluated by the Scientific Committee based on:

- Relevance to the selected theme;
- Scientific quality;
- Originality of the contribution;
- Clarity of the abstract;
- Interest for an interdisciplinary audience.