

Deadline: Friday, January 27, 2023

Submit online at iaglr.org/iaglr2023/program/abstracts

We invite you to participate in the 66th Annual Conference on Great Lakes Research to be held May 8–12, 2023, in downtown Toronto. Forty-six sessions have been proposed to complement the theme ***Adapting to Climate Change***.

We welcome abstract submissions for both oral and poster presentations. All oral presentations will be scheduled for Tuesday, May 9, through Friday, May 12. Posters will be given a high profile on Tuesday evening and made available for viewing through Wednesday.

We encourage authors to submit abstracts for specific sessions, but also will consider general contributions. Please view the [list of proposed sessions](#) to plan your submission. If you are uncertain about the most suitable session for your paper, please contact the session chairs.

Abstract Submission

All abstracts must be submitted via the IAGLR website: iaglr.org/iaglr2023/program/abstracts. A nonrefundable, nontransferable **\$50 fee** (USD) is charged for each abstract at the time of submission. (Have your Visa or MasterCard when you submit your abstract). A paid abstract fee does not imply conference registration, which will open in February and is a separate fee. You will be notified around February 7 whether your abstract has been accepted. If it is not accepted, your \$50 abstract fee will be reimbursed.

You may submit **only one abstract as first author**; however, there is no limit to the number of abstracts that you may co-author.

Abstract Content

Abstracts should describe results and the relevance of the work or research being done, clearly addressing its implications for advancing collective knowledge or the effectiveness of policy. Please write your abstract for a general audience and note the following limits:

- Title: 100 characters
- Abstract body: 1,350 characters (limit to one paragraph)

Questions?

If you have any questions about submitting an abstract, please contact Tim Johnson, Program Committee Chair, at tim.johnson@ontario.ca.

IAGLR 2023 is planned to be an in-person event, and we are currently exploring options for a virtual component. We are committed to providing a safe and healthy atmosphere for all our members and conference attendees. The IAGLR conference committee will continue to review recommendations from the local, provincial, and federal health authorities as we shape the conference. Please visit our conference website for updates.

All speakers, including session organizers, must pay conference abstract and registration fees.

Proposed Sessions

Biology and Human Dimensions

1. Coregonine Ecology, Trends, and Management
2. Environmental DNA for Monitoring Aquatic Species
3. Human Dimensions of Recreational Use of the Laurentian Great Lakes: Insights about Behaviours, Value, and Impacts
4. Maximizing Results, Minimizing Disturbance: Non-Invasive, Low Impact Monitoring of Aquatic Ecosystems
5. Revitalization and Resilience of Great Lakes Communities and Ecosystems

Climate Change and Adaptation

6. Building Resilience in the Great Lakes Basin
7. Expected Impacts of Climate Change on Fisheries Production and Potential Anticipatorily Adaptation Strategies
8. From Climate Data to Climate Action: Towards Ecosystem-Based Adaptation in the Great Lakes
9. Nature-based solutions as a Key Driver to Climate Adaptation in the Great Lakes Basin
10. The Impacts of Climate Change on the Great Lakes-St. Lawrence Basin and Potential Policy Responses

Communicating Great Lakes Science

11. Approaches for Horizon Scanning: Assessing Threats to the Great Lakes to Establish Early Warnings
12. Communicating about Great Lakes Invasive Species
13. Inspiring Stewardship for the Great Lakes through Education
14. Mobilization of Science through Outreach and Communities of Practice
15. Valuing Indigenous Ways of Knowing, Being, Doing, and Connecting in an Era of Climate Change, Crisis, and Uncertainty

Great Lakes Habitats

16. Great Lakes Shoreline Dynamics
17. Protected Areas, Natural Solutions to Climate Change
18. Restoring and Monitoring Habitat in the Toronto and Region Area of Concern
19. Small but Mighty: Wetlands as Keystone Ecosystems in the Great Lakes Basin in an Era of Climate Change
20. The Leslie Street Spit - Tommy Thompson Park: Exploring the Creation of a Biodiversity Hotspot

Great Lakes Processes

21. Ecological Modeling and Physical-Biological Interactions in Large Lakes and Their Watersheds
22. Groundwater Influences on Lakes, Wetlands, Springs, and Tributaries
23. Physical Processes in Lakes
24. The Climate Systems of Large Lakes at Seasons to Millennia
25. The Paleolimnological Record of Large Lakes and Their Catchments: Insights for Adapting to Future Climates

Restoration and Management for the Future

26. Advances in Hydroclimate Modeling and Data to Support Great Lakes Adaptive Management
27. Lake Simcoe: Progress, Trends, and Future Directions
28. Land-to-Lake Connections for a Resilient Future
29. Restoring Great Lakes Areas of Concern: Innovative Approaches to Assessment, Improvement and Restoration

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Technology, Innovation, and Data Management

- 30. Advances in Clean Energy Technologies and Climate Smart Solutions for Sustainable Fisheries Production
- 31. Community Science: Local Action for Resilience and Management
- 32. Open Data Resources of the Laurentian Great Lakes
- 33. Smarter Lakes Are Better Lakes: Innovation, Collaboration, and Entrepreneurship

Threats to the Great Lakes

- 34. Aquatic Invasive Species Research
- 35. Chloride Sources, Transport, Impacts, and Management - Implications for Mitigating Freshwater Salinization
- 36. Contaminants in a Future Climate: Legacy and Emerging Contaminants Under Global Change
- 37. Great Lakes Oil Spill Science: Planning and Response in a Changing Climate
- 38. Join the Great Lakes Harmful Algal Bloom Collaborative to Hear Updates from the Region's Research Community
- 39. Recent Advances in Plastic Pollution in the Great Lakes to Inform Monitoring and Ecological Risk Assessment

Water Quality and Healthy Ecosystems

- 40. Agricultural Best Management Practices to Restore Farm Soil Health and Water Quality
- 41. Characterizing Climate Change Impacts with Integrated Large Lake/Coastal Ocean-Watershed Modelling
- 42. Quantifying Nutrient Loading and the Changes in Loading to the Great Lakes
- 43. Remote Sensing of Lake Water Quality in a Changing Climate
- 44. Urban Phosphorus Speciation, Retention, and Export: From Science to Management
- 45. Watershed-Scale Collaboration to Understand and Address Water Quality Challenges in Saginaw Bay

Other Topics

- 46. General Contributions