



2023 Science Symposium

Thursday, April 13, St. Lawrence College, Kingston, ON

“Making Connections Across a Fragmented Landscape”

- 8:00 AM **Registration**, Continental Breakfast, Poster and Exhibit Set-up
- 9:00 AM **Land Acknowledgement** - Emily Conger, Executive Committee A2A
Opening, Helena Neveu, Indigenous Knowledge Keeper, St. Lawrence College
- 9:10 AM **Welcome**, Gary Bell, Executive Committee A2A
- 9:20 AM **Keynote speaker**, Dawn Carr, MPA, Director of Strategic Conservation, Nature Conservancy Canada: *“Collaborating for Corridors in our Post-COP15 World “*
- 10:20 AM **Coffee Break**
- 10:45 AM **Concurrent sessions I** (see below for details)
- 12:15 PM **Lunch & Plenary**, Shelby Perry, Wildlands Ecologist, Northeast Wilderness Trust:
“Rewilding the A2A: A Story of Hope”
- 1:30 PM **Concurrent sessions II** (see below for details)
- 3:00 PM **Panel & Discussion: *Turning science into action to increase connectivity***
Introduction by Mara Kerry, Parks Canada
- 4:00 PM **Closing**, Helena Neveu, Indigenous Knowledge Keeper, St. Lawrence College
- 4:00 –
5:00 PM **Reception and Poster Session**
Hors d’oeuvres provided, alcohol available for purchase

Concurrent Sessions I (AM)

ECOLOGICAL CONNECTIVITY

Venue C

Moderator: Gary Bell

MAPPING CONNECTIVITY

Venue B

Moderator: Sonia Nobrega

10:45 **How to validate ecological corridors in the field? Two case studies from the Quebec Ecological Corridor Initiative**

Marie-Andrée Tougas-Tellier, Nature Conservancy Canada (Quebec)

Advancing the Twinning Agreement: Champlain-Adirondack Biosphere Network (CABN) and Frontenac Arch Biosphere Network (FABN)

Emmanuel Carter, SUNY ESF Center for UNESCO Biosphere Reserve Studies

11:05 **Impacts of anthropogenic land transformation on species-specific habitat amount, fragmentation, and connectivity in the A2L transboundary wildlife linkage between 2000 and 2015: Implications for conservation and ecological restoration**

Jonathon Cole, Concordia University

Representativeness of Protected Areas in the Algonquin to Adirondacks Region: A Gap Analysis

Grace Johnston and Ryan Danby, Queen's University

11:25 **Traditional Ecological Knowledge (TEK) and Aquatic environmental DNA (eDNA) metabarcoding of fish populations**

Stafford Maracle, Queen's University

Mapping Approaches to Define Conservation Strategies in the Algonquin to Adirondack Corridor

Kate Cleary, A2A Collaborative/SUNY Potsdam

11:55 **Landscape Connectivity: NCC's Priorities and Lessons Learned from COP15**

Megan Quinn, Nature Conservancy Canada (Ontario)

Concurrent Sessions II (PM)

HUMAN CONNECTIONS

Venue C

Moderator: David Miller

ROAD ECOLOGY

Venue B

Moderator: John Davis

1:35	The Madawaska Highlands: one of the last remaining opportunities for protection and connectivity in Eastern Ontario <i>Sasha Huybregts, Madawaska Land Trust</i>	Factors influencing amphibian and reptile road mortality on two highways near the St. Lawrence River, Ontario, Canada <i>Ryan Danby, Queen's University</i>
1:55	Conservation Action Planning in the A2A – An engagement tool in action <i>David Miller, A2A Collaborative</i>	Predicting Zones of Potential High Turtle Presence along Roads in Québec <i>Jochen A.G. Jaeger, Concordia University</i>
2:05	Little Forests: bringing climate, social and multispecies justice into urban areas <i>Joyce Hostyn, Little Forests</i>	Using electrical circuit models to map wildlife movement and guide transportation management in Vermont <i>Caitlin E. Drasher, University of Vermont</i>
2:25	Walk Before You Run: Getting the A2A US Side Committee Off to a Solid Start <i>Lelia Mellen, US National Park Service</i>	Transportation and Ecology: Reflections, Perspectives, and Strategies (over 3 Decades in the Making) <i>Ed Frantz, E.H. Frantz Environmental</i>