



Conference on road ecology &
climate change adaptation :
from research to concrete actions

October 23rd - 24th - 25th 2017
Ambassadeur Hotel (Quebec City)

Québec

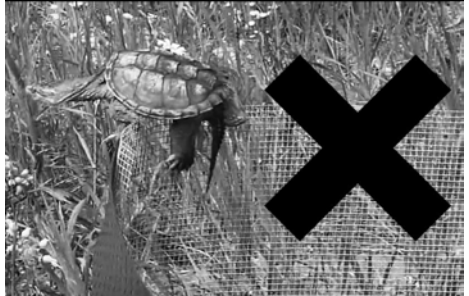


Corridor appalachien
Appalachian Corridor

Connectivity is at the
heart of our mission



Don't use mesh!



Trust the best!

 **Animex**
www.animexfencing.com

Protéger, aménager, sensibiliser...

C'est dans notre nature !



Depuis 30 ans,
la Fondation de la faune
stimule et soutient
le mouvement faunique
au Québec.

Près de 5 500 projets
pour les habitats ont été
réalisés avec des partenaires
de toutes les régions !

fondationdelafaune.qc.ca



Fondation
de la faune
du Québec

Titulaire du Canada
Photo: Liane De Smet,
Québec Oiseau Nature 2014

Simultaneous translation at the Conference is funded by

Canada 

EXHIBITORS

- **ACO Wildlife**
www.aco-wildlife.com
- **Atlantic Industries Limited (AIL)**
www.ail.ca
- **Ertec Environmental Systems**
www.ertecsystems.com
- **Canadian Wildlife Service (Environment and Climate Change Canada)**
www.ec.gc.ca
- **Animex**
www.animexfencing.com

SCHEDULE

MONDAY OCTOBER 23RD

- 12 : 00 - 13 : 00 On-site Registration
- 12 : 00 - 17 : 30 Sponsors, Exhibits & Poster Displays Open
- Room 1 13 : 00 - 13 : 30 Welcome & Official Opening
- Room 1 13 : 30 - 14 : 15 Habitat Networks & Multispecies Corridors Resilient to Global Change, *by Andrew Gonzalez*
- Room 1 14 : 15 - 14 : 45 Connectivity Beyond Borders : Resolution 40-3 of the Conference of New England Governors and Eastern Canadian Premiers, *by Danielle St-Pierre*
- 14 : 45 - 15 : 15 Break
- 15 : 15 - 16 : 30 Two concurrent sessions :

Room

1

SESSION A : LARGE MAMMAL PASSAGES

15 : 15 - 15 : 40
The Costs and Benefits of Wildlife Vehicle
Collision Mitigation, *by Rob Ament*

15 : 40 - 16 : 05
Passage Assessment System (PAS) for Wildlife
in Vermont, *by Paul J. Marangelo*

16 : 05 - 16 : 30
Integrating Road Ecology to Québec's
Highway System, *by David Boudreault*

Room

2

SESSION B : CULVERTS/BRIDGES & AQUATIC WILDLIFE

15 : 15 - 15 : 40
Considerations in the Adaptation of
Infrastructures to Benefit Fish Populations and
Meet Other Goals, *by Alison A. Bowden*

15 : 40 - 16 : 05
Maine Stream Connectivity Partnership: From
Data to Restoration, *by Alex Abbott*

16 : 05 - 16 : 30
Stream Crossings & Free Fish Movement in
Quebec: Involvement of Fisheries and Oceans
Canada since 2000, *by Dominic Boula &
Marie Gaulin*

Room

2

16 : 30 - 17 : 15 An Overview of Interesting Highway Mitigation Projects, Partnerships and Progress from Western North America and the World, *by Rob Ament*

Room

2

17 : 15 - 17 : 40 Building Support for Wildlife-Friendly Roads, *by Renee Callahan*

Room

1

17 : 40 - 19 : 40 Dinner & Keynot Speaker: Partnerships, Research & Road Ecology Project Completion in France, *by Yannick Autret*

SCHEDULE

TUESDAY OCTOBER 24TH

Room

1

7:00 - 8:30

Breakfast

7:00 - 12:30

On-site Registration

7:00 - 12:30

Sponsors, Exhibits & Poster Displays Open

Room

2

8:30 - 9:00

The Staying Connected Initiative: Linking People and Nature Across Two Nations, *by Jessica Levine & Louise Gratton*

9:00 - 10:15

Two concurrent sessions :

Room

1

SESSION C: EXISTING STRUCTURE ADAPTATION & NEW WILDLIFE PASSAGES

9:00 - 9:25

Adaptation of Existing Structures and New Wildlife Passages in Ontario, *by Kari Gunson*

9:25 - 9:50

Highway 69 Expansion: the Road under Ontario's First Wildlife Bridge, *by Andrew Healy*

9:50 - 10:15

Addition of fencing and wildlife passages along Highway 138 in Petite-Rivière-Saint-François: immediate impacts on road safety and the use of biological corridors, *by Martin Lafrance*

Room

2

SESSION D: MANAGING TRANSPORTATION RIGHTS-OF-WAY: ALIEN INVASIVE SPECIES, SURFACE RUNOFF AND ATV TRAILS

9:00 - 9:25

Invasive Plants and Roads: Beyond Myths, Realities, *by Dr Claude Lavoie*

9:25 - 9:50

Ecological Improvements of Retention Basins in a Highway Context: Case Study and Future Examples on the Territory of the Capitale-Nationale, *bar Jérôme Guay*

9:50 - 10:15

ATV trails Crossing Wildlife Habitats: Case Studies for Impact Mitigation on Wildlife & Aquatic Connectivity, *by Claude Grondin*

10:15 - 10:40

Break

SCHEDULE

TUESDAY OCTOBER 24TH

10 : 40 - 11 : 30

Two concurrent sessions :

Room

1

SESSION E : WILDLIFE MOVEMENT DETECTION & MONITORING

10 : 40 - 11 : 05

Identification of Wildlife Corridors & Passages either side of Highway 10 (Estrie & Montérégie Est regions, southern QC),

by Caroline Daguét & Daniella LoScerbo

11 : 05 - 11 : 30

Spatial and Temporal Analysis of Road Collisions Involving Cervids on the 85/185 Road in Témiscouata, *by Martin-Hugues Saint-Laurent & Jérôme Laliberté*

Room

2

SESSION F : WILDLIFE PASSAGE DESIGN & ENGINEERING

10 : 40 - 11 : 05

ARC Solutions International Wildlife Crossing Infrastructure Design Competition and the Importance of Design and Landscaping,

by Jeremy Guth et Martha Brocki

11 : 05 - 11 : 30

Wildlife crossings for White-tailed Deer on the Robert-Cliche Highway (QC): From design to the reality of the construction sites,

by Pierre-Michel Vallé & Jacques Fortin

Room

2

11 : 30 - 12 : 00

Wildlife Passages under Highway 175: Introduction to Fieldtrip, *by Dr Jochen Jaeger & Martin Lafrance*

12 : 00 - 13 : 00

Lunch

13 : 00 - 14 : 40

Two concurrent sessions :

Room

1

SESSION G : CLIMATE CHANGE ADAPTATION

13 : 00 - 13 : 25

The Challenges of Climate Change Adaptation in Quebec in a Road Ecology Context,

by Valérie Bourduas Crouhen

13 : 25 - 13 : 50

Vulnerability of Road infrastructures to Coastal Erosion and Submersion in Eastern Quebec in a Changing Climate, *by Susan Drejza*

13 : 50 - 14 : 15

Going with the flow: Conserving resilient and connected landscapes, *by David Patrick*

14 : 15 - 14 : 40

Lessons Learned in Vermont Following Tropical Storm Irene, *by James Brady*

Room

2

SESSION H : THE POWER OF PARTNERSHIPS

13 : 00 - 13 : 25

Successes in Road Ecology: Partnerships and Training in Vermont, *by James Brady*

13 : 25 - 13 : 50

Patterns of Wildlife Road Mortality on Ontario's Frontenac Arch: From Science to Action, *by Dr Ryan Danby*

13 : 50 - 14 : 15

Partnerships for the Implementation of Montreal's Green and Blue Belt, *by Jean-François Dallaire*

14 : 15 - 14 : 40

Assessing and prioritizing aquatic barriers in the Northeast U.S. through the North Atlantic Aquatic Connectivity Collaborative (NAACC), *by Erik Martin*

SCHEDULE

TUESDAY OCTOBER 24TH

Room

1

15 : 05 - 15 : 30

Appalachian Corridor: A Conservation Strategy for Connectivity,
by Mélanie Lelièvre

15 : 30 - 16 : 45

Deux sessions en parallèle :

Room

1

SESSION I : LAND & DEVELOPMENT PLANNING AND ECOLOGICAL CONNECTIVITY

15 : 30 - 15 : 55

The Role of Land Use & Development Planners
in Maintaining Ecological Connectivity,
by François Lestage

15 : 55 - 16 : 20

Planning for Wildlife Connectivity in Vermont
Land Use, *by Jens Hilke*

16 : 20 - 16 : 45

Making Room for Connectivity: Case Study
from a Quebec Municipality in the Estrie
Region, *by Lisette Maillé*

Room

2

SESSION J : TECHNICAL ASPECTS OF CLIMATE CHANGE ADAPTATION

15 : 30 - 15 : 55

Management of Eastern Quebec Stream
Crossings Facing Hydro-sedimentary Problems
in a Changing Climate, *by Sylvio Demers*

15 : 55 - 16 : 20

Using Living Shorelines to Reduce Erosion and
Improve the Ecology on Coastal Slopes,
by Kirsten Ellis

16 : 20 - 16 : 45

Climate change and hydraulic structures: what
needs to be done to maintain an adequate
level of performance over the long term?,
by Alain Mailhot

Room

1

16 : 45 - 17 : 15

Preventing Roadkill as a Priority, *by Dr Lenore Fahrig*

Room

1

17 : 15 - 19 : 00

Networking event organized by ... and its program : Staying
Connected Initiative (SCI)

SCHEDULE

WEDNESDAY OCTOBER 25TH

Room

1

7 : 00 - 8 : 30

Breakfast with an informal meeting on the IUCN's Connectivity Conservation Specialist Group and its Transport Working Group

7 : 00 - 12 : 30

On-site Registration

7 : 00 - 12 : 30

Sponsors, Exhibits & Poster Displays Open

Room

2

8 : 30 - 8 : 55

Natural Infrastructures : A Climate Change Adaptation Strategy, *by Dr Jérôme Dupras*

8 : 55 - 9 : 20

Two concurrent sessions :

Room

1

SESSION K : WILDLIFE PASSAGES FOR SMALLER SPECIES INCLUDING HERPETOFAUNA

8 : 55 - 9 : 20

Turtle Crossing Case Study : Road 245 in East Bolton (Estrie Region, QC), *by Clément Robidoux*

9 : 20 - 9 : 45

Monitoring the use and effectiveness of fences and wildlife passages for small and medium-sized mammals along Highway 175 in Quebec: Main results and recommendations, *by Dr Jochen Jaeger*

9 : 45 - 10 : 10

Effectiveness of a Unique Design of Barrier Wall and Underpass on Reducing Road Mortality in Ontario, *by Paul C. Heaven*

Room

2

SESSION L : MUNICIPALITY AND COMMUNITY INVOLVEMENT

8 : 55 - 9 : 20

Road Ecology Case Study in Ontario: The Public, Politics and Progress, *by Mandy Karch*

9 : 20 - 9 : 45

Municipal & Community Commitment to Maintaining Ecological Corridors as a Response to Climate Change, *by Kateri Monticone*

9 : 45 - 10 : 10

Citizen Science and Community Involvement : Wildpaths (VT) and Faune sans frontières (QC), *by Bridget Butler & Isabelle Grégoire*

10 : 10 - 10 : 35

Break

Room

1

10 : 35 - 11 : 05

Funding Wildlife Passages: Case Studies from Europe and the US, and opportunities in Quebec, *by Yannick Autret, Renee Callahan & Joël Bonin*

SCHEDULE

WEDNESDAY OCTOBER 25TH

Room 1	11 : 05 - 12 : 10	Plenary Session : Natural Infrastructures : A Climate Change Adaptation Strategy <i>Panel :</i> <ul style="list-style-type: none">■ <i>Louise Gratton (Ecology Consultant)</i>■ <i>Nathalie Drouin (KHEOPS)</i>■ <i>Dr Jochen Jaeger (Concordia University)</i> <i>Facilitators :</i> <ul style="list-style-type: none">■ <i>Yves Bédard (ABQ)</i>■ <i>André Champoux (Appalachian Corridor)</i>
Room 1	12 : 10 - 12 : 20	Conference Wrap-up and Next Steps
	12 : 20 - 12 : 30	Official Adjournment of the Conference
	12 : 30 - 12 : 50	Lunch Box Distribution <i>(Participants registered for the fieldtrip only)</i>
	12 : 50	Buses Depart for Fieldtrip <i>(Participants registered for the fieldtrip only)</i>
	12 : 50 - 17 : 00	Fieldtrip: Wildlife Passages and Other Mitigation on Highway 175 in the Réserve faunique des Laurentides (wildlife reserve) <i>(Participants registered for the fieldtrip only)</i>
	17 : 00	Buses Return to Hotel - End of the Conference <i>(Participants registered for the fieldtrip only)</i>

HOTEL SITE

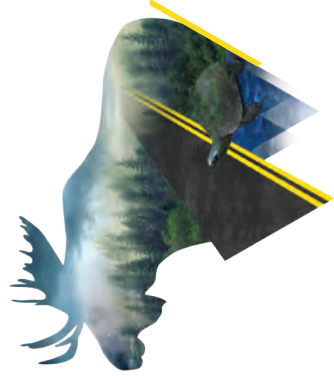
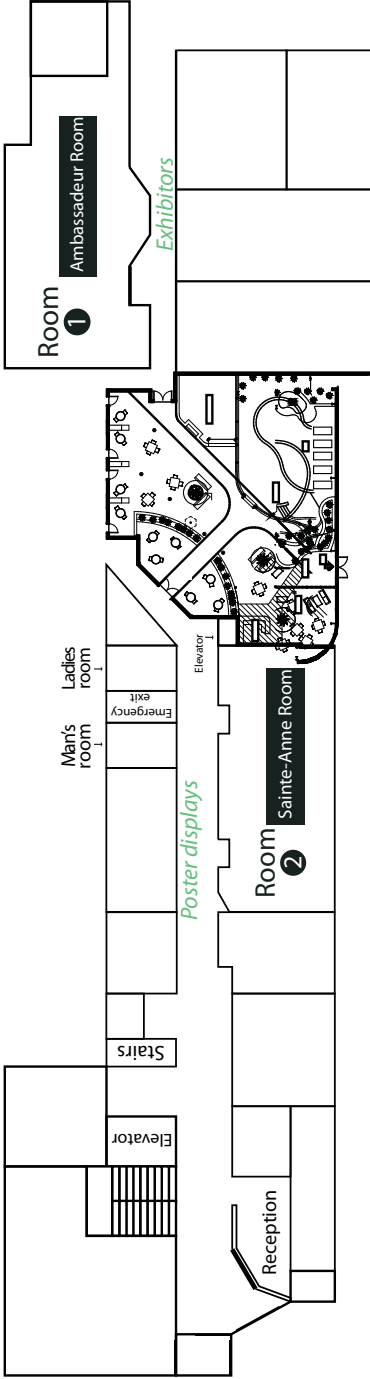
Ambassadeur Hotel

1-800-363-4619

3401, boulevard Ste-Anne

Québec, Québec, Canada G1E 3L4

www.hotelambassadeur.ca



Conference on road ecology &
climate change adaptation :
from research to concrete actions



Corridor appalachien Appalachian Corridor

Main Organizer



ARC

NEW THINKING • NEW METHODS
NEW MATERIALS • NEW SOLUTIONS



Partners



Logistical Support