

# Atlantic Climate Change 2008

*Risk, Responses and Tools for Action...*

Westin Nova Scotian  
Halifax, Nova Scotia  
March 3 - 5, 2008

preliminary program v.4



[www.esans.ca](http://www.esans.ca)

# CONFERENCE OVERVIEW

## MONDAY, MARCH 3, 2008

TIME	PRESENTATION	LOCATION
2:00 pm - 4:00 pm	Registration and Poster Board Set-up	Mezzanine, Westin Nova Scotian
7:30 pm - 9:00 pm	An Inconvenient Truth, Carl Duivenvoorden	Dalhousie University, Potter Auditorium Kenneth C. Rowe Mgt. Building

## TUESDAY, MARCH 4, 2008

TIME	PRESENTATION	LOCATION
8:00 am - 8:30 am	<b>REGISTRATION</b> ( <i>Coffee served in poster presentations</i> )	Mezzanine, Westin Nova Scotian
8:30 am - 10:30 am	<b>OPENING PLENARY SESSION</b>	Atlantic Ballroom, Westin Nova Scotian
10:30 am - 11:00 am	<b>BREAK</b> ( <i>Poster presentations</i> )	Mezzanine, Westin Nova Scotian
11:00 am - 12:00 pm	Land Use Planning and Adaptation Session	Atlantic Ballroom, Westin Nova Scotian
	Greenhouse Gas Emission Management Session	Ballroom I, Westin Nova Scotian
	Climate Change Science Session I	Ballroom II, Westin Nova Scotian
12:00 pm - 1:30 pm	<b>LUNCHEON</b> with <i>Dave Phillips, Environment Canada</i>	Atlantic Ballroom, Westin Nova Scotian
1:30 pm - 3:00 pm	Fish, Farms and Forests I Session	Atlantic Ballroom, Westin Nova Scotian
	Greenhouse Gas Emission Management Session	Ballroom I, Westin Nova Scotian
	Climate Change Science Session II	Ballroom II, Westin Nova Scotian
3:00 pm - 3:30 pm	<b>BREAK</b> ( <i>Poster presentations</i> )	Mezzanine, Westin Nova Scotian
3:30 pm - 5:00 pm	Fish, Farms and Forests II Session	Atlantic Ballroom, Westin Nova Scotian
	Adaptation & Infrastructure with LIDAR Session	Ballroom I, Westin Nova Scotian
	Civic Science and Modelling Session	Ballroom II, Westin Nova Scotian
6:30 pm - 8:30 pm	<b>RECEPTION &amp; ENERGY LECTURE</b>	Dalhousie University, Potter Auditorium Kenneth C. Rowe Mgt. Building

## WEDNESDAY, MARCH 5, 2008

TIME	PRESENTATION	LOCATION
8:00 am - 8:30 am	<b>CONTINENTAL BREAKFAST</b> ( <i>Poster presentations</i> )	Mezzanine, Westin Nova Scotian
8:30 am - 10:00 am	<b>PLENARY SESSION</b>	Atlantic Ballroom, Westin Nova Scotian
10:00 am - 10:30 am	<b>BREAK</b> ( <i>Poster presentations</i> )	Mezzanine, Westin Nova Scotian
10:30 am - 12:00 pm	Session Title - TBA	Atlantic Ballroom, Westin Nova Scotian
	Coastal Impacts, Adaptation and Mitigation Session	Ballroom I, Westin Nova Scotian
	Social And Economic Session	Ballroom II, Westin Nova Scotian
12:00 pm - 1:00 pm	<b>LUNCHEON</b>	Atlantic Ballroom, Westin Nova Scotian
1:00 pm - 2:30 pm	Regional and Community Adaptation Approaches Session	Atlantic Ballroom, Westin Nova Scotian
	Tools for Adaptation & Infrastructure Session	Ballroom I, Westin Nova Scotian
	Social and Economic II Session	Ballroom II, Westin Nova Scotian
2:30 pm - 3:00 pm	<b>BREAK</b> ( <i>Poster presentations</i> )	Mezzanine, Westin Nova Scotian
3:00pm - 5:00 pm	Provincial Plenary Panel Discussion	Atlantic Ballroom, Westin Nova Scotian

## THURSDAY, MARCH 6, 2008

TIME	PRESENTATION	LOCATION
9:00 am - 12:00 pm	<b>LIDAR WORKSHOP</b> - Halifax Regional Municipality Workshop	Dalhousie University, Room G 70, Main Floor, Killam Memorial Library
1:00 pm - 5:00 pm	<b>Incorporating Climate Change Adaptation into Design, Development, and Management Decision Making Workshop</b>	Dalhousie University, Room TBA

## MONDAY, MARCH 3, 2008

TIME	PRESENTATION	LOCATION
2:00 pm - 4:00 pm	<b>Registration and Poster Board Set-up</b>	Mezzanine, Westin Nova Scotian
7:30 pm - 9:00 pm	<b>An Inconvenient Truth</b> , Carl Duivenvoorden	Dalhousie University, Potter Auditorium Kenneth C. Rowe Mgt. Building

## TUESDAY, MARCH 4, 2008

TME	PRESENTATION	LOCATION
8:00 am - 8:30 am	<b>REGISTRATION</b> ( <i>Coffee served in poster presentations</i> )	Mezzanine, Westin Nova Scotian
8:30 am - 10:30 am	<p><b>OPENING PLENARY SESSION</b>  <i>Welcome Remarks by Cameron Ells, Cameron Consulting</i>  <i>Introductions by Richard Joseph, ESANS</i></p> <p><b>I - The Science of Climate Change</b>  <b>II - Plenary - Mr. Dave Hughes, NRCAN</b></p>	Atlantic Ballroom, Westin Nova Scotian
10:30 am - 11:00 am	<b>BREAK</b> ( <i>Poster presentations</i> )	Mezzanine, Westin Nova Scotian
11:00 am - 12:00 pm	<p><b>LAND USE PLANNING AND ADAPTATION</b> - Moderated by Kyle McKenzie</p> <ul style="list-style-type: none"> <li>• From Theory to Practice: The Role of Municipal Land Use Planning in Climate Change Adaptation in Coastal Areas (Amber Nicol and Amanda Kosloski, Dalhousie University)</li> <li>• Overview of Climate Change Tools for Land Use Planning - MOVIE (Tamara Hill, Green Growth Group)</li> </ul>	Atlantic Ballroom, Westin Nova Scotian
	<p><b>GREENHOUSE GAS EMISSION MANAGEMENT I</b> - Moderated by <i>nne Warburton</i></p> <ul style="list-style-type: none"> <li>• Pathway to Sustainable Energy Prosperity (Brendan Haley, Ecology Action Centre)</li> <li>• Carbon Capture and Storage: A Carbon Sense Solution to Climate Change (Robert Niven, Carbon Sense Solutions Inc.)</li> </ul>	Maritime Room, Westin Nova Scotian
	<p><b>CLIMATE AND SCIENCE MODELLING I</b> - Moderated by <i>Gary Lines</i></p> <ul style="list-style-type: none"> <li>• Improving Statistical Downscaling of General Circulation Models Using Principle Components for Atlantic Canada (Lee Titus)</li> <li>• Multiscale Evaluation of the Space-Time Variability of Temperature Patterns in the Maritime Provinces of Canada (Yukari Hori and Cristian Suteanu, Saint Mary's University)</li> </ul>	Lunenburg Room, Westin Nova Scotian
12:00pm - 1:30 pm	<p><b>LUNCHEON</b> <i>with guest speaker</i></p> <p><b>Mr. Dave Phillips, Environment Canada</b></p>	Atlantic Ballroom, Westin Nova Scotian
1:30 pm - 3:00 pm	<p><b>FISH, FARMS, AND FORESTS I</b> - Moderated by <i>Peter Duinker</i></p> <ul style="list-style-type: none"> <li>• Climate Change and Fisheries: A Socioeconomic Perspective on Impacts and Adaptation (Anthony T. Charles, Saint Mary's University)</li> <li>• Agriculture and Climate Change (Dr. Rob Gordon, N.S. Agriculture College)</li> <li>• Forestry and Climate Change (Dr. Mark Johnston, Sask. Research Council)</li> </ul>	Atlantic Ballroom, Westin Nova Scotian
	<p><b>GREENHOUSE GAS EMISSION MANAGEMENT II</b> - Moderated by <i>Chris Feetham</i></p> <ul style="list-style-type: none"> <li>• Greenhouse Gas Reduction (Ray Cote, Dalhousie University)</li> <li>• NS Energy Sources in 2020 (Barry Zwicker, Scotia Windfarms)</li> <li>• Energy Use Connection (Stephen King, Halifax Regional Municipality)</li> </ul>	Maritime Room, Westin Nova Scotian

	<b>CLIMATE SCIENCE AND MODELLING II</b> - Moderated by Gary Lines <ul style="list-style-type: none"> <li>• Feedback Modelling and Climate Change (Evan Davies and Slobodan P. Simonovic, Ph.D., P.Eng, University of Western Ontario)</li> <li>• A Synoptic Weather Typing Approach to Assess Climate Change Impacts on Meteorological/Hydrological Risks (Chad Shouquan Cheng, Qian Li, and Guilong Li, Environment Canada)</li> <li>• A Simulation Tool for Integrating Climate Change and Canadian Surface Transport: Towards Assessing Impacts and Adaptations (Pavlos Kanaroglou, Hanna Maoh, Clarence Woudsma and Shawn Marshall, McMaster University)</li> </ul>	Lunenburg Room, Westin Nova Scotian
3:00 pm - 3:30 pm	<b>BREAK</b> (Poster presentations)	Mezzanine, Westin Nova Scotian
3:30 pm - 5:00 pm	<b>FISH, FARMS, AND FORESTS II</b> - Moderated by Peter Duinker <ul style="list-style-type: none"> <li>• Potential Impacts of Climate Change on Marine Fisheries of Eastern Canada (Gail L. Chmura, McGill University &amp; Global Environment and Climate Change Centre)</li> <li>• Farm-level adaptation to climate change and variability: Nova Scotia farmers' perceptions, risks, and response strategies (Natasha Power, Department of Environmental Sciences, Nova Scotia Agriculture College)</li> <li>• Climate Change and Forest Distribution in Nova Scotia (Dr. Charles Bourque, University of New Brunswick)</li> </ul>	Atlantic Ballroom, Westin Nova Scotian
	<b>ADAPTATION &amp; INFRASTRUCTURE WITH LIDAR</b> - Moderated by John Hestletine <ul style="list-style-type: none"> <li>• LIDAR Mapping of Coastal Communities (Tim Webster, Angela Templin &amp; Roger Mosher, NSCC)</li> <li>• Risk Assessment and Mitigation, Related to Coastal Processes (Mike Pearson, GeoNet Technologies Inc.)</li> <li>• Integrating science and planning practice for coastal adaptation to climate change in the Halifax Regional Municipality (John Charles / Roger Wells, Halifax Regional Municipality &amp; Gavin Manson, NRCan)</li> </ul>	Maritime Room, Westin Nova Scotian
	<b>CIVIC AND COMMUNITY RESPONSES</b> - Moderated by Richard Joseph <ul style="list-style-type: none"> <li>• Assessing Vulnerability and Developing Adaptation Strategies at the Municipal Level - Experiences in Ontario (Allan Douglas, Ontario Centre for Climate Impacts and Adaptation Resources)</li> <li>• Chapel Island First Nation Climate Change Impacts &amp; Adaptations Project (Michelle Adams, Eco Innovations)</li> <li>• Climate Change Planning Tools for First Nations: User-Friendly Guidebooks for Community-Driven Adaptive Action (Lisa Hardess, Centre for Indigenous Environmental Resources (CIER))</li> </ul>	Lunenburg Room, Westin Nova Scotian
5:00	<b>Transportation to Dalhousie</b>	Dalhousie University, Management Building
5:00 pm - 6:30 pm	<b>DALHOUSIE RECEPTION</b>	Dalhousie University, Management Building
6:30 pm - 8:30 pm	<b>ENERGY AT DAL - PUBLIC LECTURE</b> Dr. John Nyboe, Canadian Industrial Energy End-use Data and Analysis Centre	Dalhousie University, Potter Auditorium Kenneth C. Rowe Mgt. Building

### WEDNESDAY, MARCH 5, 2008

TIME	PRESENTATION	LOCATION
8:00 am - 8:30 am	<b>CONTINENTAL BREAKFAST</b> (Poster presentations)	Mezzanine, Westin Nova Scotian
8:30 am - 10:00 am	<b>PLENARY SESSION</b> Welcome Remarks by Cameron Ells, Cameron Consulting Introductions by Richard Joseph, ESANS <ul style="list-style-type: none"> <li>• Risk Management, George Boire, VP Marsh Insurance</li> <li>• Adaptation Tools, Michel Girard, CSA and Pam Kertland, NRCan</li> </ul>	Atlantic Ballroom, Westin Nova Scotian
10:00 am - 10:30 am	<b>BREAK</b> (Poster presentations)	Mezzanine, Westin Nova Scotian

10:30 am - 12:00 pm	<p><b>SESSION TITLE (TBA) - Moderated by TBA</b></p> <ul style="list-style-type: none"> <li>• Developing An Integrated Carbon Measurement Strategy – Learning from a Case Study (Marty Janowitz, Jacques Whitford Limited)</li> <li>• Carbon Credits: Project Managing for Maximum Value (Gay Harley, Sea to Sky Visions)</li> <li>• Solar Gain (Janice Ashworth, Ecology Action Centre)</li> </ul>	Atlantic Ballroom, Westin Nova Scotian
	<p><b>COASTAL IMPACTS, ADAPTATION, AND MITIGATION - Moderated by Gavin Manson</b></p> <ul style="list-style-type: none"> <li>• Vulnerability of Eastern Quebec Coastal Communities to Climate Changes (Jean-Pierre Savard, OURANOS)</li> <li>• Impacts of Sea Level Rise and Climate Change on the Coastal Zone of Southeastern New Brunswick (Gary Lines / Kyle McKenzie Environment Canada Atlantic)</li> <li>• Climate Change and Sustainability of the Carbon Sink in Maritime Salt Marshes (Gail L. Chmura, McGill University &amp; Global Environment and Climate Change Centre)</li> </ul>	Maritime Room, Westin Nova Scotian
	<p><b>SOCIAL AND ECONOMIC I - Moderated by Ron Pelot</b></p> <ul style="list-style-type: none"> <li>• Adapting to Global Climate Change Using a Regional Approach: The Ouranos Consortium (Jean-Pierre Savard, Francois Morneau, Alain Bourque, Ouranos)</li> <li>• The Bottom Line of Going Green: Costs, Benefits and Risks of Corporate Capital Investment in Pollution Abatement. (Shelley MacDougall, Acadia University)</li> <li>• Applying Public Sector Resources to Climate Change Adaptation in Canada (2007) (Cameron Ells, Cameron Consulting)</li> </ul>	Lunenburg Room, Westin Nova Scotian
12:00 pm - 1:00 pm	<b>BUFFET LUNCH</b> ( <i>buffet located with poster presentation</i> )	Mezzanine, Westin Nova Scotian
1:00 pm - 2:30 pm	<p><b>TOOLS FOR ADAPTATION AND INFRASTRUCTURE - Moderated by Pam Kertland</b></p> <ul style="list-style-type: none"> <li>• ClimateSMART - HRM's Response to Climate Change (Rob Young, Dillon Consulting)</li> <li>• Incorporating Climate Change Adaptation into Design, Development, and Management Decision Making (Cameron Ells, Cameron Consulting)</li> <li>• Climate Change Adaptation Application (Peter Nimrichter, AMEC)</li> </ul>	Atlantic Ballroom, Westin Nova Scotian
	<p><b>STUDENT PANEL - Moderated by TBA</b> A Student Perspective from Local to Global</p> <ul style="list-style-type: none"> <li>• Jessica Wishart, Dalhousie University</li> <li>• Andrew MacDougall, St. Francis Xavier University</li> <li>• Brennan Vogel, Saint mary's University</li> </ul>	Maritime Room, Westin Nova Scotian
	<p><b>SOCIAL AND ECONOMIC SESSION II - Moderated by Ron Pelot</b></p> <ul style="list-style-type: none"> <li>• Climate Change in Atlantic Canada: Stylized Facts and Statistical Evidence (Yuri Yevdokimov)</li> <li>• Defence and Security Aspects of Climate Change (Dave Chapman, Defence R &amp; D Canada)</li> <li>• Assessing Health Vulnerabilities of Canadians to a Changing Climate (Peter Berry, Ph.D. and Kaila-Lea Clarke, Health Canada)</li> </ul>	Lunenburg Room, Westin Nova Scotian
2:30 pm - 3:00 pm	<b>BREAK</b> ( <i>Poster presentations</i> )	Mezzanine, Westin Nova Scotian
3:00 pm - 5:00 pm	<p><b>LOCAL / REGIONAL MITIGATION &amp; ADAPTATION PLENARY</b></p> <ul style="list-style-type: none"> <li>• Al Douglas, Ontario Government</li> <li>• Alain Bourque, Ouranos</li> <li>• Jenny Fraser, Government of British Columbia</li> <li>• George Foote, Nova Scotia Department of Energy</li> <li>• Brendan Haley, Ecology Action Centre</li> <li>• David Hughes, NRCan</li> <li>• Stephen King, Halifax Regional Municipality</li> </ul>	Atlantic Ballroom, Westin Nova Scotian
5:00 pm - 5:15 pm	<b>CLOSING REMARKS</b>	Atlantic Ballroom, Westin Nova Scotian

7:00 pm - 9:00 pm	<b>DISCOVERY CENTRE RECEPTION - TBC</b>	Discovery Centre, Barrington Street, Halifax
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### THURSDAY, MARCH 6, 2008

TIME	PRESENTATION	LOCATION
Morning	<b>LIDAR WORKSHOP - HALIFAX REGIONAL MUNICIPALITY</b>	Dalhousie University, Room TBA
Afternoon	<b>INCORPORATING CLIMATE CHANGE ADAPTATION INTO DESIGN, DEVELOPMENT, AND MANAGEMENT DECISION MAKING WORKSHOP</b>	Dalhousie University, Room TBA

### POSTER PRESENTATIONS PROGRAM MARCH 4 - 5, 2008

Location: Mezzanine, Westin Nova Scotian
Impacts of Sea Level Rise and Climate Change on the Coastal Zone of Southeastern New Brunswick (Gary Lines or Kyle McKenzie)
Atlantic Agriculture and Climate Change (Jeff Belland or Kyle McKenzie)
Atlantic Coastal Trails and Boardwalks and Climate Change (Kyle McKenzie, Philana Dollin, and Ryan Hennessey)
Atlantic Communities and Climate Change (Jeff Bell and Kyle McKenzie)
Atlantic Energy Sector and Climate Change (Jeff Bell and Kyle McKenzie)
Atlantic Forests and Climate Change (Jeff Bell and Kyle McKenzie, and Ryan Hennessey)
Atlantic Water Resources and Climate Change (Chantal Gagnon, Kyle McKenzie, and Ryan Hennessey)
Climate Change and Sea Level Rise in Newfoundland and Labrador (Norm Catto, Memorial University of Newfoundland)
Climate Change and Coastal Erosion in Newfoundland (Norm Catto, Memorial University of Newfoundland)
Climate Change and the City of Saint John (Ian Reeves and Tim Vickers, Atlantic Coastal Action Program)
Encouraging Nova Scotia's coastal communities to take a proactive approach towards the management of risks associated with sea level rise. (Elissa Gollan, Clean Nova Scotia)