

## Accessing and Interpreting Climate Change Information for Decision-Making in Northern Ontario

November 25, 2015 | 10:00am–4:00pm | Science North – Special Exhibits Hall

Time	Topics	Speaker
10:00am	<b>Welcome and Introduction</b>	Al Douglas
10:10am	<b>Current Climate and its Historical Trends and Uncertainties</b> <ul style="list-style-type: none"> <li>• Climate vs weather</li> <li>• Historical trends</li> <li>• Global cycles and natural variability</li> <li>• Recent reality</li> <li>• Ontario observed trends</li> <li>• Extremes and hazards development</li> </ul>	Neil Comer
	<b>Climate Change Modelling and Theory</b> <ul style="list-style-type: none"> <li>• Climate change introduction</li> <li>• Public concern and opinion</li> <li>• Communication of climate change</li> <li>• Intergovernmental Panel on Climate Change as the “expert”</li> <li>• Models as the best available tool</li> <li>• Model development</li> <li>• Emission assumptions</li> </ul>	Neil Comer
11:20am	<b>Break</b>	
11:30am	<b>Use of Climate Model Ensembles in Decision-Making, Including, but not Limited to:</b> <ul style="list-style-type: none"> <li>• Generations of projections</li> <li>• Model ensembles and uncertainty</li> <li>• Global vs regional models in Ontario</li> <li>• Using the Data – best options</li> <li>• Characterizing uncertainty</li> <li>• Extreme variables and their difficulty</li> <li>• Sources of Data – global and Ontario</li> <li>• Climate change assessment approach</li> <li>• Climate change summary</li> <li>• Future of climate projections</li> </ul>	Neil Comer
12:30pm	<b>Lunch</b>	
1:15pm	<b>Afternoon Case Study: Infrastructure &amp; Planning - Part 1</b> <ul style="list-style-type: none"> <li>• Legal implications to adapt</li> <li>• Policy and planning acts, climate change tradeoffs</li> <li>• Requirements for resilient communities, infrastructure and landscapes</li> <li>• Future risks</li> </ul>	Heather Auld
2:00pm	<b>Break</b>	
2:10pm	<b>Afternoon Case Study: Infrastructure &amp; Planning – Part 2</b> <ul style="list-style-type: none"> <li>• Reducing climate risks (focus on infrastructure, planning)</li> <li>• Examples of projections and adaptation put into practice</li> <li>• Municipal and land use planning</li> <li>• Engineering forensics, codes and standards</li> <li>• Extreme rainfall events – design values, ecosystem services</li> <li>• Climate services in support of adaptation</li> </ul>	Heather Auld
3:00pm	<b>Questions and Discussion</b>	Team
3:55pm	<b>Closing Remarks</b>	Al Douglas