



Program on Water Issues

**Underground Intelligence:  
The need to map, monitor, and manage Canada’s  
groundwater resources in an era of drought  
and climate change**

**Program on Water Issues, Munk School of Global Affairs, Campbell Conference Facility  
University of Toronto  
June 25, 2013  
8:30am – 4:30pm EDT**

**AGENDA**

8:00 am	<b>REGISTRATION AND COFFEE</b>	
8:30 am	<b>Welcome and Introductions</b>	<b>Adele Hurley</b> – Director, Program on Water Issues, Munk School of Global Affairs
8:40 am	<b>Presentation of Discussion Paper</b>	<b>Ed Struzik</b> – Author
9:25 am	<b>Panel # 1 – Response to the Paper</b>	<ul style="list-style-type: none"> <li>• <b>James Bruce</b> – Former Chair, Council of Canadian Academies Expert Panel on Groundwater</li> <li>• <b>Vic Adamowicz</b> – Professor, Department of Resource Economics and Environmental Sociology, University of Alberta</li> <li>• <b>Bruce Peachey</b> – President, New Paradigm Engineering Ltd.</li> <li>• <b>Scott Vaughan</b> – President &amp; CEO, International Institute for Sustainable Development</li> <li>• <b>David Zetland</b> – Senior Water Economist, Wageningen University, Netherlands</li> <li>• <b>Bill Donahue</b> – Director of Science and Policy, Water Matters</li> </ul>
10:30 am	<b>BREAK</b> – Water courtesy of Town of Gibsons, British Columbia	

11:00 am	<b>Panel # 2 – Making Groundwater Visible: Mapping and Monitoring Technologies</b>	<ul style="list-style-type: none"> <li>• <b>David Sharpe</b> – Hydrogeology Section Head, Geological Survey of Canada, Ottawa</li> <li>• <b>Jay Famiglietti</b> – Professor, Earth System Science Civil and Environmental Engineering, and Director, UC Center for Hydrologic Modeling, University of California, Irvine</li> <li>• <b>Steve Grasby</b> – Geochemist, Geological Survey of Canada, Calgary, Alberta</li> <li>• <b>Richard Thomsen</b> – Chief Consult, Geological Survey of Denmark and Greenland</li> </ul>
12:00 pm	<b>Question and Answer period</b>	
12:15 pm	<b>LUNCH</b>	
1:15 pm	<b>Panel # 3 – Case Studies: Paying for Groundwater Inventories, Mapping and Monitoring</b>	<ul style="list-style-type: none"> <li>• <b>Municipality: Dave Newman</b> – Director of Engineering, Gibsons, British Columbia</li> <li>• <b>First Nations: Gilles Wendling</b> – Consultant/Hydrogeologist, Fort Nelson First Nation, British Columbia</li> <li>• <b>Agriculture: Bob Hyra</b> – Field Manager - Manitoba, McCain Foods Canada</li> <li>• <b>Industry: Representative</b> – Shell Canada Dawson Creek Reclaimed Water Project (<b>Invited</b>)</li> <li>• <b>Regional Shared Aquifer: Steve Holysh</b> – Chief Hydrologist, Toronto and Region Conservation Authority</li> </ul>
2:15 pm	<b>Question and Answer period</b>	
2:45 pm	<b>BREAK</b>	
3:00 pm	<b>Panel # 4 – Internalizing the costs of inventories, mapping and monitoring: Options and opportunities</b>	<ul style="list-style-type: none"> <li>• <b>Scott Vaughan</b> – President &amp; CEO, International Institute for Sustainable Development</li> <li>• <b>Marcus Wijnen</b> – Senior Water Resources Management Specialist, World Bank, Washington, DC (<b>Invited</b>)</li> <li>• <b>David Zetland</b> – Senior Water Economist, Wageningen University, Netherlands</li> <li>• <b>Michael Campana</b> – Professor of Hydrogeology and Water Resources, College of Earth, Ocean and Atmospheric Sciences, Oregon State University</li> <li>• <b>Vic Adamowicz</b> – Professor, Department of Resource Economics and Environmental Sociology, University of Alberta</li> </ul>
4:00 pm	<b>Question and Answer period</b>	
4:30 pm	<b>Wrap up and Acknowledgements</b>	Adele Hurley
<b>4:35 – 6:00 pm GARDEN RECEPTION – MUNK SCHOOL</b>		