



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

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