

Connecting Water Resources 2013: Changing the water paradigm (Draft as of March 9, 2013)

MONDAY, MARCH 18 <i>Networking for Innovation and Capacity</i>	TUESDAY, MARCH 19 <i>Innovation: The Possibilities of Changing the Paradigm</i>	WEDNESDAY, MARCH 20 <i>Critical Water Connections: The "Nexus," Trade and Supply Chains</i>	THURSDAY, MARCH 21 <i>Leading a Blue Economy: Canadian Opportunities</i>
	Breakfast 7:30am	Breakfast 7:30am	Breakfast 7:30am
Networking for Water Innovation Evening Reception <i>(5:30 to 8:30pm)</i>	Opening ceremonies and VIP remarks <i>(8:15 to 9:00am)</i>	Introductions and VIP remarks <i>(8:30am)</i>	Introductions and VIP remarks <i>(8:30am)</i>
	Opening Remarks by Deputy Mayor El-Chantiry, Ottawa	Opening Remarks by His Excellency Wim Geerts, Ambassador of the Kingdom of the Netherlands	
	Opening plenary session and panel <i>(9:00 to noon)</i> Innovation: The Possibilities of Changing the Paradigm	Morning plenary and panel <i>(9:00 to noon)</i> Critical Water Connections: The "Nexus," Trade and Supply Chains	Morning plenary and panel <i>(9:00 to noon)</i> Leading a Blue Economy: Canadian Opportunities
	<p>The opening plenary will explore different perspectives of the idea of how changing the way we fundamentally approach, view and respond to water challenges is creating transformational changes.</p> <p>Chair: Elizabeth Dowdeswell, President and CEO, Council of Canadian Academies</p> <p>Plenary Speakers:</p> <p>Honourable J. Michael Miltenberger, Minister of Finance, Minister of Environment and Natural Resources and Minister Responsible for the Northwest Territories Power Corporation, Government of Northwest Territories. <i>NWT Water 101: Changing the Paradigm</i></p> <p>J. Carl Ganter, Co-Founder and Director, Circle of Blue <i>Innovation: On the Front Lines of the Global Water Crisis</i></p>	<p>Increasingly, it is recognized that water connects everything — whether in global discussions of “nexus” concepts, or the water-dependency of supply chains and global trade. This plenary session will explore these concepts with leaders in the field and discuss how increasing awareness of these concepts can inform day-to-day decisions involving water —from research to practice — to improve how new ideas influence the success of these larger processes.</p> <p>Chair: Margaret Catley-Carlson, Patron, Global Water Partnership</p> <p>Plenary Speakers:</p> <p>Helmi Ansari, Director, Sustainability and Organizational Capability, Pepsico Foods, Canada <i>Sustainability at Pepsico Foods: Aspirations, Progress and Next Steps</i></p>	<p>Water has a critical role in the Global economy. In Canada, water is also seen as much as a central part of our culture and our psyche as it is a resource. Canada has much to offer the world with respect to its knowledge, experience, capacity and ingenuity surrounding the stewardship, management and use of water and water-dependent-resources. This session will explore how Canada can contribute to and lead in a Blue Economy.</p> <p>Chair: William Cosgrove, Senior Research Scholar, International Institute for Applied Systems Analysis, Project Director, Global Water Scenarios Project <i>Presenting the Challenges and Opportunities</i></p> <p>Plenary Speakers:</p> <p>Deputy Minister Sara Jane Snook, Nova Scotia’s Deputy Minister of Environment <i>Council of the Federation Water</i></p>

Charles Vörösmarty, Director, The City University of New York's Environmental Crossroads Initiative
Global Water Crisis? Yes... Closer Than You Think

Geoff Riggs, Smarter Planet Business Development Manager, IBM Global Business Services
How a new Information Engineering paradigm facilitates collaboration and innovation

Don Lowry, Chief Executive Officer, EPCOR
EPCOR: Enabling the Paradigm

Brian Doucette, Director, Environmental Excellence, Sustainable Development, Suncor Energy
Enabling Innovations through Collaboration at Suncor Energy

Usha Rao-Monari, Director, Sustainability Business Advisory Department. International Finance Corporation
IFC Financing the Aspirations in Water

Stewardship Council Update

Xavier Chazelle, Chairman, ACQUEAU
Eureka/Acqueau: Multi-National Innovation Funding for Water Technology

Nicholas Parker, Spokesperson, The Blue Economy Initiative, Sustainability Entrepreneur, Investor and Public Servant
Canada as the Solutions Country: Defining the Opportunities

Panel Discussion Session

Moderator: Nicholas Parker, Spokesperson, The Blue Economy Initiative, Sustainability Entrepreneur, Investor and Public Servant

Panelists
Bill Mantel, (Acting) Assistant Deputy Minister, Research, Commercialization and Entrepreneurship Division, Ontario Ministry of Economic Development, Trade and Employment

Xavier Chazelle, Chairman, ACQUEAU (EUREKA Water Cluster)

Kim Sturgess, CEO, Alberta WaterSmart

**Workshop
(9:00 to noon)**

Source to Tap: Water Safety Plans and What it Could Mean for Canada's Small Systems

The session will begin with platform presentations by Dr. Steve Hrudey, Dr. Graham Gagnon, and representatives from Alberta Environment and Sustainable Resource Development. Following presentations the Centre for Water Resources Studies (Dalhousie University) will facilitate a case study and discussion session providing participants with 'hands on' DWSP training and a chance to be part of the on-going discussion of how the

			DWSP approach can benefit small systems across Canada.
	<p style="text-align: center;">Lunch (12:15 to 1:30 pm)</p>	<p style="text-align: center;">Lunch (12:15 to 1:30 pm)</p>	<p style="text-align: center;">Lunch (12:15 to 1:30 pm)</p>
	<p style="text-align: center;">Concurrent sessions (1:30 to 5 pm)</p> <p style="text-align: center;"><i>Where Innovations and Paradigm Changes are Occurring</i></p> <p>These sessions highlight examples and identify trends and opportunities where changing the paradigm has or can result in progress/results.</p> <p>1. <i>New municipal and community approaches</i> Chair: Carl Yates, General Manager, Halifax Water <i>One Water: From Concept to Reality</i></p> <p>Steve Hrudehy, Professor Emeritus, Analytical and Environmental Toxicology, University of Alberta <i>Moving from Reactive to Preventive Management of Drinking Water</i></p> <p>Ben Grumbles, President, U.S. Water Alliance <i>One Water</i></p> <p>Kevin Shafer, Executive Director, Milwaukee Metropolitan Sewerage District <i>Tomorrow's Clean Water Utility Begins to Emerge</i></p> <p>Rob de Loë, Professor and University Research Chair Water Policy and Governance, Environment and Resource Studies, University of Waterloo <i>Collaborative Governance: Opportunities and Challenges</i></p> <p>2. <i>Water in the resource development sector</i></p>	<p style="text-align: center;">Concurrent sessions (1:30 to 5 pm)</p> <p style="text-align: center;"><i>Impacting Sustainable Progress Through Water Decisions</i></p> <p>Building on the previous day and the morning plenary, these sessions will explore emerging ideas and research, and highlight where water decisions based on the new paradigm can lead to benefit and attain more sustainable value in the following areas —</p> <p>1. <i>New municipal and community approaches</i> Chair: Grahame Farquhar, Senior Advisor, Canadian Water Network</p> <p>Carl Yates, General Manager, Halifax Water <i>Holistic in Halifax: An Integrated Approach to Water Management</i></p> <p>Ian Douglas, Process Engineer, Water Quality, City of Ottawa <i>Thinking Differently about Drinking Water: New Ideas and Approaches</i></p> <p>Michael D'Andrea, Director, Water Infrastructure Management, City of Toronto <i>Big City Water Woes - Innovating the Fix</i></p> <p>Paul Fesko, Manager, Strategic Services, Water Resources, City of Calgary <i>Regional Water Resource Risks and Opportunities in Calgary</i></p> <p>2. <i>Water in the resource development sector</i> Chair: Bev Yee, Alberta Environment and Sustainable Resource Development</p> <p>David Marshall, Executive Director, Fraser</p>	<p style="text-align: center;">Synthesis and Futures Panel plenary (1:30 to 2:30pm)</p> <p>Chair: Geoff Riggs, Smarter Planet Business Development Manager, IBM Global Business Services</p> <p>Gemma Boag, Agriculture and Agri-Food Canada</p> <p>Natalie Prsytajecki, University of British Columbia</p> <p>Prit Kotecha, Suncor Energy Inc.</p> <hr/> <p style="text-align: center;">Closing Keynote (2:30 to 3:00pm)</p> <p style="text-align: center;">Closing remarks by Assembly of First Nations National Chief Shawn A-in-chut-Atleo</p> <p style="text-align: center;">Closing Comments (3:00pm)</p>

Chair: **Robert Page, Director, Enbridge Centre Corporate Sustainability, Professor, University of Calgary**

Tatiana Furley, Directoria Tecnica, Aplysia Tecnologia Para o Media ambiente, Brazil
Changing the Paradigm of Industrial Effluents Environmental Control and Water Resources Monitoring – A Brazilian Example

William L. Goodfellow Jr., Vice-President EA Engineering, Incoming President, Global SETAC
The Continued Maturation of Environmental Assessments Over the Last Two Decades: End-of-Pipe to Watershed Strategies

Simon Courtenay, DFO Research Scientist, Canadian Rivers Institute, University of New Brunswick
Shifting Paradigms: Multistakeholder Coordination and Regional Environmental Monitoring Frameworks

Kelly Munkittrick, Director of Monitoring, COSIA
The Paradigm Shift: Rapid Shifts in Innovation Models for Water Management

Panel Discussion Session

3. Agriculture and food production

Chair: **Jean-Francois Barsoum**, Senior Managing Consultant, IBM Canada

Richard Butts, Director General of the Cross-Sectoral Strategic Direction directorate of the Science and Technology Branch, Agriculture & Agri-Food Canada
Water issues in developing an economically viable agricultural sector

Howard Wheeler, Canada Excellence Chair

Basin Council
Cleaning Up Britannia Mine – A Collaborative Effort

Uldis Silins, Professor, Department of Renewable Resources, University of Alberta
Shifting climates and water supplies from forests: Implications for integrated water and land management

Ernie Hui, Executive Officer, Environmental Monitoring, Alberta Environment and Sustainable Development
A New Approach for Environmental Monitoring

Annie Daigle, Hydrogeologist, Natural Gas Group, Government of New Brunswick
Shale Gas and Water: Shifting Paradigms

Panel Discussion Session

3. Agriculture and food production

Chair: **Don Pearson, General Manager, Lower Thames Valley Conservation Authority**

Hans Schreier, Professor, Faculty of Land and Food Systems, University of British Columbia
The Importance of Virtual Water for Canadian Food Exports

Ron Bonnett, President, Canadian Federation of Agriculture
Agricultural Use of Water: Fact, Fiction and Future

Ted Van der Gulik, Senior Engineer, Sustainable Agriculture Management Branch, BC Ministry of Agriculture
Developing Tools Today to Manage Agriculture Water Needs in the Future

David Rudolph, Professor, Department of Earth and Environmental Sciences,

in Water Security, Professor, School of Environment and Sustainability, and Department of Civil and Geological Engineering, University of Saskatchewan.
Water and Agriculture in Canada: The Report of the Expert Panel on Sustainable Management of Water in the Agricultural Landscapes of Canada

Lorne Hepworth, President, Croplife
Addressing Water Challenges through Plant Biotechnology

David McInnes, President and Chief Executive Officer, The Canadian Agri-Food Policy Institute
The Shift to Food Systems Thinking

University of Waterloo/ **Deborah Goudreau**, Manager of Water Services, Oxford County
Partnering Power and Compound Interest: Managing Groundwater Supplies in the Agricultural Environment

Kevin Jones, President and CEO, Bloom Centre for Sustainability
Driving Adoption of Sustainable Water Solutions in the Ontario Food Processing Sector

Panel Discussion Session

Poster Session and Networking
Cocktails and light hors d'oeuvres

Banquet dinner with
Erwann Michel-Kerjan

Catastrophic Risk Management
Expert

"The New Risk Architecture:
Welcome to Risk Management 2.0"