6th Annual

canadian water summit

2015 The Energy of Water Exploring Nexus Opportunities

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The Canadian Water Summit

Thursday, June 25 • Westin Bayshore Hotel • Vancouver, BC

Annual Canadian water summit | 2016 Toronto June 16

Municipalities, industry and public ratepayers all agree that clean, affordable water and the smart management of natural and built water systems are critical to life in our urban areas. Join your peers in Toronto next June 16, 2016 as we continue the national dialogue on water leadership at the Canadian Water Summit. Check for program updates and announcements online!

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WELCOME

Margaret Catley-Carlson, OC. Vice Chair, Canadian Water Network



t is a great pleasure for me to write this letter of welcome to the 2015 Canadian Water Summit in Vancouver. It has been a busy spring season for water related international activities for me: China to look at some infrastructure projects, Korea for the seventh Word Water Form, and now Nepal to understand the impact of seismic events on water systems.

The Korean meeting talked floods, infrastructure reinforcement, new energy desal water supply for islands, water footprinting, reducing energy and harnessing data flow for better water management. These are very much the 'back stories' for the issues we will be discussing here at the Summit.

And, as is always the case, the most sober discussion comes from sharing experience on how to raise the priority of better water management on the political agenda—at all levels, in virtually all countries. It will undoubtedly be the same in Vancouver where many of us in this so-fortunate land live with the paradox of seemingly ample water supply leading to complacency and shortage of political and investment attention. The circular economy is much on the minds of the world—reduce, reuse, recycle resources, very much including water.

When not working with groups abroad. I am proud to serve the Canada Water Network with its rich traditions of promoting collaboration between water managers and Canadian research communities dedicated to researching the issues that constitute their present and future challenges. A good deal of both the CWN agenda and the Canadian Water Summit agendas focus on the urban water world with its promise and challenges for reuse, recycle and reduce.

I'm delighted that I will see CWN partners and many others on June 25th—thank you for joining me for this unique opportunity to be part of a critical, forward-looking discussion. Since 2009, the Canadian Water Summit has provided a forum for leaders from diverse sectors to share insights on how to build a sustainable water future—I know our Vancouver meeting will continue the tradition.

SPONSORS

The Canadian Water Summit was made possible by the generous support of our sponsors. Thank you for making the event such a success!

Gold



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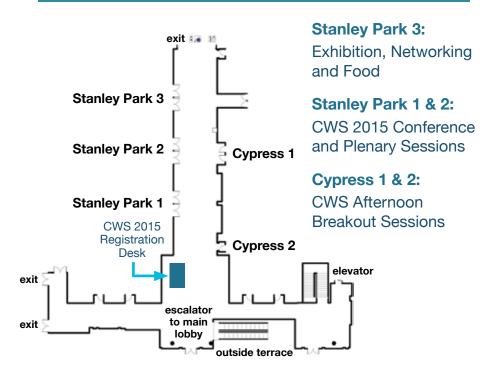
SFU mission is to be the leading engaged university. We support innovative teaching and internationally acclaimed research with positive solutions to real-world problems. Gold sponsorship is provided collectively by SFU's Faculties of Environment, Applied Sciences, Health Sciences, Science, Arts and Social Science, as well as the Beedie School of Business, the Office of the Vice-President, Academic and the Pacific Institute for Climate Solutions (PICS) at SFU.





EXHIBITORS

Canadian Water Summit 2015 Map



Canadian Water Summit 2015 Exhibitors

















ADVISORY COMMITTEE



Todd Latham actualmedia



Ingrid Stefanovic





Wally Wells





Margaret Catley-Carlson 2015 Summit Chair



Oliver Brandes

watersustainabilityproject



David Marshall





Robert Haller CWWA CEPU



Anna Warwick Sears





Lorne Taylor



Advisory Committee members are invited each year by the founder and owners of the Canadian Water Summit to participate in its organization. The role of the committee is to lend their expert advice and counsel to the organizing team and support the development and execution of the annual Canadian Water Summit program.

The Advisory Committee assists by identifying specific water-related topics and "hot button" issues, suggesting speaking candidates, reviewing abstracts and by increasing the network of influence to create an annual program that is diverse, engaging and relevant to water-interested people across Canada. We thank each member for their contributions.

The Advisory Committee would like to give a special thanks to Laurie Wood and Steve Conrad from Simon Fraser University, Clark Kingsbury of Actual Media and Caroline Aston of Aston Events for their ongoing and hugely supportive role in the planning of this event.

The 2016 Advisory Committee will be forming soon, so follow us @CdnWaterSummit or visit online for updates starting in August!

7:30 – 8:30 Registration

Stanley Park Ballroom Foyer, Westin Bayshore Hotel. All morning sessions will be held in the Stanley Park Ballroom 1 & 2. Lunch and networking breaks will be served in Stanley Park Ballroom 3.

8:30 – 8:35 Opening Ceremony: Ian Campbell, Chief, Squamish Nation

8:35 – 8:50 Welcome Remarks Todd Latham, Publisher, Water Canada; Fred Keating, Emcee & Moderator, CWS 2015; Margaret Catley-Carlson, Chair, CWS 2015

8:50 – 9:15 Morning Address The Hon. Mary Polak, *BC Minister of Environment*

9:15 – 10:30 Morning Panel

Water Clusters: Building Capacity Through Collaboration

Over the past few years, water technology "clusters" have popped up across the globe, fuelled by the promise of a \$560-billion global water market. How are these clusters benefiting economic growth, innovation adoption, and environmental protection? Are they really lending to a more cohesive sector? What are the current goals and models for these clusters? In this session, learn how clusters from Canada, the United States, and Europe are making a difference.

Session Leader:

Dr. Peter Gallant, President and CEO, WaterTAP

Panelists:

Hein Molenkamp, *Managing Director*, Water Alliance (Netherlands); Bryan Stubbs, *Executive Director*, Cleveland Water Alliance

10:30 – 11:00 Networking Break & Exhibits

11:00 – 12:15 Plenary Q&A PanelWhat is this "nexus" we are talking about?How do water flows, governance, and energy mix?How do we capture the energy of water?How are water and energy connected?

Session Leader: Margaret Catley-Carlson, Patron, Global Water Partnership

Panelists: Stephanie Smith, Manager Hydrology, BC Hydro; Nick Reid, Executive Director Strategic Partnerships; OCWA

12:15 – 1:00 Networking Lunch

1:00 – 1:10 Welcome Remarks Andrew Petter, *President*, SFU

1:10 – 1:45 Luncheon Keynote Alex and Tyler Mifflin, *Co-Hosts*, The Water Brothers

1:45 – 1:55 Special Presentation Ingrid Stefanovic, *Dean – Faculty of Environment*, Simon Fraser University Student Competition

2:00 – 3:15 Breakout Sessions Delegates chose their preferred session at registration and now move into the designated rooms for these three breakout sessions. Please follow the instructions after lunch.

2:00 – 3:15 Breakout Session 1.1

Water – Energy Nexus

Natural resources, mining, and gas intersections; electricity, water use, and utilities.

Session Leader:

James Fotouhi, Research Analyst, BlueTech Research

Panelists:

Matt Horne, Associate Director, Pembina Institute; Matt Kennedy, Vice President, Environment, Innergex; Deborah Harford, Executive Director, ACT

2:00 – 3:15 Breakout Session 1.2

Water – Land Nexus

The health of watersheds is a measure of our successes and failures with land and water use. How do we balance protection of our fish, our communities, our farming, our rivers and our lakes?

Session Leader:

Anna Warwick Sears, *Executive Director*, Okanagan Basin Water Board

Panelists:

Ted van der Gulik, *Chair and Director*, Irrigation Industry Association of BC;

Fin Donnelly, Board Chair, Rivershed Society of BC;

Jordan Point, *Executive Director*, First Nations Fisheries Council of BC

2:00 – 3:15 Breakout Session 1.3 Evolution of the Water-Food Nexus

Water is a vital ingredient and strategic resource for the food and beverage manufacturing sector and is central to asset management strategies surrounding this resource. How to continually balance production, water use and food safety while maintaining operational efficiency and economic productivity is an ongoing challenge for food and beverage producers. The panel presentation will provide attendees with a glimpse into the complex water-food nexus, and an understanding of how water stewardship decisions made today will shape the future economic success and competitiveness of the food and beverage sector.

Session Leader:

Eric Meliton, *Project Manager – Water Stewardship*, Toronto and Region Conservation Authority

Panelists:

Linda Delli Santi, *Executive Director*, BC Greenhouse Growers' Association;

Kevin Jones, President and CEO, BLOOM;

Andres Palma, Director of Brewing & Compliance – Vancouver Brewery, Molson Coors Canada

3:15 – 3:40 Networking Break & Exhibits

3:40 – 3:45 Video – RBC Annual Blue Water Day

3:45 – 5:00 Closing Plenary Water – Social Nexus

Exploring opportunities in water ethics, sustainability, and biology. What values and attitudes do we have for water?

Session Leader: Robert Haller, Executive Director, Canadian Water and Wastewater Association

Panelists: Ingrid Stefanovic, Dean – Faculty of Environment, SFU; Ian Campbell, Chief, Squamish Nation; James Snider, VP - Freshwater Program, WWF-Canada

The Organizing Team

Actual Media Inc. is proud to continue the leadership role for the sixth annual Canadian Water Summit in 2015.

Actual Media is a partner in Blue Events Inc. — an organization formed in 2015 to manage the Canadian Water Summit and its associated business. The other partners are PAC Packaging Consortium (James Downham) and Innovolve Group (Anthony Watanabe).



Caroline Aston Event Manager

innovolve group

The Canadian Water Summit series is owned and operated by Blue Events Inc. 147 Spadina Avenue, Unit 208, Toronto, ON M5V 2L7 P: 416-444-5842

5:00 – 5:15 Closing Remarks Summit Recap and Announcement of CWS 2016 Margaret Catley-Carlson and Fred Keating

5:15 – 5:30 Closing Ceremony Ian Campbell, *Chief*, Squamish Nation;

The Honourable **Judith Guichon**, Lieutenant Governor of British Columbia

5:30 – 7:00 Cocktail Reception Networking post-CWS and pre-Water's Next Awards Reception

7:00 – 9:30 Water's Next Awards Gala dinner celebrating the champions of water across Canada. Organized by Water Canada magazine.

This is a separate event from the Canadian Water Summit. For tickets and more information, please inquire at the registration desk.

water[•]s next awards 2015

Celebrating Canadian water leaders and champions

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Join us next year in Toronto on June 16, 2016.

Nominations for Water's Next 2016 open on Oct. 30, 2015.

To participate, contact Lee Scarlett at P: 416-315-2042 E: lee@watercanada.net



The Faculty of Environment hosted SFU BLUE — a community-engaged water research dialogue that profiled work emerging between the University and its partner organizations. Innovative research and case studies supported conversations on the themes of ecological conservation, urban sustainability, climate change, socio-economic factors, health governance, stakeholder management and technological change.

We demonstrated how it is important to collaborate with communities and interest groups, how research can inform water policy, and how we can learn from one another to overcome obstacles in moving toward sustainable water solutions.

The final session brought together leading university-based, water initiatives from SFU, UBC, University of Victoria, Ryerson University, Pacific Institute for Climate Solutions and BCIT to foster future collaborations. Winners of the Canadian Water Summit Student Competition also profiled their entries. Participants included representatives from First Nations, government, industry, NGOs, academia and the general public.

The day provided opportunities to highlight success stories and encourage new partnerships.

In keeping with the theme of collaboration, the Faculty of Environment was pleased to announce the Pacific Water Research Centre. Supporting interdisciplinary research at the intersection of water science, social values and public policy, the Centre supports evidence-based research and meaningful societal change. Our vision is to inform and advance research on the strength of community concerns around a range of water issues, from the local and regional to global scales.

We invite universities, First Nations, community partners, industry, business and government to partner with us to promote water research that makes a difference.

www.fenv.sfu.ca



Ian Campbell Chief, Squamish Nation

Ian Campbell is the youngest of the 16 hereditary Chiefs of the Squamish Nation, and a descendant of the Squamish and Musqueam First Nations of the Coast Salish People. He believes

in sharing the spiritual and cultural values of the Coast Salish people to help educate others, bridge the gap between cultures, and promote closer relations.



Margaret Catley-Carlson, Patron, Global Water Partnership; Chair, Canadian Water Summit 2015

Margaret Catley-Carlson is a member of the UN Secretary General's Advisory Board on Water; the World Food Prize and Syngenta Foundation Boards; the World Economic Forum Global

Agenda Council on Water; and the Canadian Water Network, among many others. She holds 11 honorary degrees, and is an Officer of the Order of Canada.



Linda Delli Santi, Executive Director, BC Greenhouse Growers' Association

As Executive Director of the BC Greenhouse Growers' Association, Linda advocates for BC greenhouse vegetable growers on such issues as the carbon tax, labour, electricity rates, and compliance

with regulations like the Water Sustainability Act. She is chair of the Canadian Horticulture Council Greenhouse Committee, and sits on the Horticulture Value Chain Round Table and a number of Agricultural Advisory Committees.



Fin Donnelly Board Chair, Rivershed Society of BC

Fin is the founder of the Rivershed Society of British Columbia. He was elected MP for New Westminster-Coquitlam & Port Moody in November 2009, and as NDP Fisheries & Oceans critic, he

introduced legislation to ban oil tanker traffic along BC's sensitive northern coast and transition all fish farms to closed containment. He served on Coquitlam city council for seven years.



James Fotouhi, Water Reuse and Alternative Water Practice Area Leader, BlueTech Research

James Fotouhi is a Technology Market Research Analyst with BlueTech Research. He has been involved in several technology commercialization assessments for emerging water technologies,

and has worked on market analyses for the U.S. ozone market, the U.S. tight oil market, and the market for wastewater treatment technologies in metals mining.



Dr. Peter Gallant, President & CEO, WaterTAP

Dr. Gallant is a serial entrepreneur with experience in the global water technology sector. He is the founding President and CEO of Kingston, Ontario-based Pathogen Detection Systems Inc, and served as Vice President, Business Development and Regulatory

Affairs for ENDETEC. Prior to joining the WaterTAP management team, he served as a Director of WaterTAP from its inception until March 2015.



When it comes to our communities, we like getting our hands dirty. And our feet wet.

The best way to support a community is to get involved in it. Every year, our employees around the world pitch in to protect their local water by cleaning up, planting some greenery and learning about water through RBC Blue Water Makeovers. It's all part of the RBC Blue Water Project[®], which has supported over 700 charitable organizations so far and is our commitment to help protect water. When it comes to clean water, Someday[™] can't come soon enough.

Let's make Someday happen.





Judith Guichon Lieutenant Governor, Province of British Columbia

The Honourable Judith Guichon was sworn-in as the 29th Lieutenant Governor of British Columbia on November 2, 2012. Prior to this appointment, she owned and operated Gerard

Guichon Ranch Limited in the Nicola Valley in the British Columbia Interior. She has studied Holistic Management, a farming method which promotes sustainable management of livestock by emphasizing their natural habitat.



Robert Haller, Executive Director, Canadian Water and Wastewater Association

Robert started with the CWWA in May 2012 after 20 years as a senior municipal administrator where he oversaw several infrastructure projects, including a new wastewater treatment

facility. Robert has served on the Source Protection Working Group for the St. Lawrence River and has served on the Municipal Advisory Panel to the Ontario Clean Water Agency.



Deborah Harford, Executive Director, Adaption to Climate Change Team (ACT)

Through Deborah's efforts as Executive Director, ACT has created networks between local, national, and international climate change research practitioners, NGOs, industry representatives, all

levels of government, First Nations groups, and local communities. Deborah's work with ACT has gained her national recognition as a resource for those seeking information on climate change adaptation and practical coping strategies.



Matt Horne, Associate Director for British Columbia, Pembina Institute

Drawing on 15 years of experience with energy and climate change issues in Canada, Matt is a leading voice on the environmental impacts associated with LNG and shale gas development in B.C.

His research has looked at the risks to water from shale gas activity, and the technologies, practices, and policies that can reduce those risks.



Kevin Jones, President & CEO, BLOOM

Kevin has led several award-winning BLOOM initiatives in the agri-food, property redevelopment, and clean technology sectors. Today, he is leading a five-year project to make sustainable water use a reality in targeted sectors of Ontario's \$39-billion food and

beverage processing industry, by aligning stakeholders and providing the industry with the tools to implement practical water and resource management solutions.



Fred Keating, Emcee and Moderator

Fred has hosted WaterTech—the annual conference for Water Technologists and Remediation specialists—for the past five years, and has been intimately involved in the production of live special events, awards shows, special education conferences, and public

broadcasts where water issues have been discussed. Fred is an outstanding resource as a plenary and breakout session facilitator or Master of Ceremonies.

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Water technology thrives here:" Ontario, Canada



Matt Kennedy, Vice President – Environment, Innergex Renewable Energy Inc.

Matt is responsible for managing all environmental issues relating to Innergex's activities in British Columbia and Western North America, including ensuring the monitoring of facilities in operation

and projects under construction, and the completion of environmental studies. Matt has also worked for Canadian Hydro Developers Inc. and was a consulting aquatic biologist for 10 years.



Eric Meliton, Project Manager – Water Stewardship, Toronto and Region Conservation Authority

In his position with TRCA, Eric facilitates industry support for businesses in their initiatives related to water sustainability through stakeholder engagement, partnership development, and

execution of corporate social responsibility objectives.



Luncheon Keynote

Alex & Tyler Mifflin Co-Hosts, The Water Brothers

Alex and Tyler are hosts of The Water Brothers, a TVO eco-adventure documentary series that features the brothers exploring the world and uncovering the most important water stories of our time. Alex and Tyler are passionate about the subject of water conservation and use their respective educations in film and environmental studies to create their award-winning series.

water[•]s next awards 2015

Celebrating Canadian water leaders and champions JOIN US AFTER THE SUMMIT!



Hein Molenkamp Managing Director, Water Alliance

Hein is Managing Director of the Dutch Water Technology network organization Water Alliance. He started his career in the agriculture sector, working with several manufacturers of

agricultural equipment, and has worked for almost 10 years as product manager at Pacques in Balk, the Netherlands.



Andres Palma, Director of Brewing and Compliance – Vancouver Brewery, Molson Coors Canada

Andres has been the Director of Brewing and Compliance for three years, and was previously a member of the Innovation Department at the Molson Technical Centre in Toronto. Before coming to

Canada, he was Head Brewer at Cervecería Hondureña, one of SABMiller's Breweries in Latin America. He has also worked for both Coca Cola and Pepsi.

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Andrew Petter, President & Vice Chancellor, Simon Fraser University

Andrew Petter is President and Vice Chancellor of SFU, and a Professor in the School of Public Policy. Prior to joining SFU in 2010, he served as Dean of the Faculty of Law at the University of

Victoria; taught at Osgoode Hall Law School; practiced with the Saskatchewan Ministry of Justice; and served as a Member of the Legislative Assembly of the Province of British Columbia.



Jordan Point, Executive Director, First Nations Fisheries Council of BC

Jordan is a clear thinker with extensive capacity and an understanding of government process, business implementation, and elected First Nation governance experience. He seeks to build

bridges and opportunities with willing partners wherever possible and practical.



Mary Polak, Minister of Environment, Province of British Columbia

Minister Polak is currently vice-chair of the Environment and Land Use Committee and is a member of the Cabinet Working Group on Liquefied Natural Gas (LNG) and the Priorities and Planning

Committee. In the past, she has served as provincial Minister of Transportation and Infrastructure, Minister of Aboriginal Relations and Reconciliation, and Minister of Healthy Living and Sport, among others.





Nick Reid, Executive Director of Strategic Partnerships, Ontario Clean Water Agency

Nick is Executive Director of Strategic Partnerships for the Ontario Clean Water Agency and the former General Manager of Operations and Maintenance for the Lakeview and Lorne Park Water Treatment

Plants and the G.E. Booth and Clarkson Wastewater Treatment Plants.



Stephanie Smith, Manager – Hydrology, BC Hydro

Stephanie has worked at the heart of the water-energy nexus for the past 20 years. Her team is responsible for collecting and managing climate, hydrometric, and generation data, and providing weather forecasting and water supply forecasting for all

BC Hydro's hydropower reservoirs. She is also Canadian Chair of the Columbia River Treaty Hydrometeorological Committee, and co-chair of the BC Hydro Adaptation Working Group.



BLOOM is a change agent. We cut through the noise and make it easier for companies to adopt sustainable water solutions.

BLOOM takes a sector focused approach. An example is what we have done for the Ontario Wine Sector.

www.waterandwine.ca is an online resource designed to improve water management at wineries.







Just another way BLOOM is creating sustainable change.





James Snider Vice President – Freshwater Program, WWF-Canada

James has contributed conservation science expertise to WWF-Canada since 2007, where he has led quantitative analysis through collaborative partnerships with academia, industry, and government

institutions. Through expert consultation, and based on international best practice, James has led the freshwater team to develop an accessible, science-based framework for credibly evaluating the health of Canada's fresh water.



Ingrid Stefanovic, Dean – Faculty of Environment, Simon Fraser University

Ingrid Stefanovic is Dean of the Faculty of Environment at Simon Fraser University. She served as the University of Toronto's Director of the former Centre for Environment (now the School of

the Environment) from 2005 to 2010. Her research relates to perceptions of space and how values and attitudes that are taken for granted affect decision making.



Bryan Stubbs Executive Director, Cleveland Water Alliance

Bryan Stubbs is the Executive Director of the Cleveland Water Alliance, a water technology and innovation cluster on the shores of Lake Erie. Bryan is recognized for his management and actions

in building and implementing stronger, impactful, and more sustainable economies and communities through more than 10 years of experience leading sustainability based economic development projects.



Public Attitudes Project 2015

Changing Public Attitudes on the Value of Canada's Water System Infrastructure

Download this report at cwwa.ca/CWWApub e.asp





Ted van der Gulik, Chair & Director, Irrigation Industry Association of BC

Ted joined the BC Ministry of Agriculture in 1979 and has served the province's agriculture industry for 35 years. He spent his career specializing in irrigation, water management, and water resources

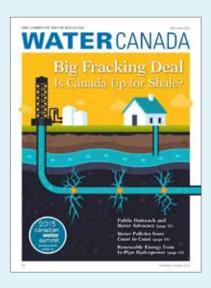
planning, and built an international reputation for his leading-edge work in agricultural water management. Ted was awarded the Premiers Legacy award in 2014.



Anna Warwick Sears, Executive Director, Okanagan Basin Water Board

Anna Warwick Sears is the Executive Director of the Okanagan Basin Water Board. Raised in British Columbia, she lived in California for many years and received a PhD in population biology

from the University of California – Davis. She is passionate about using science to solve real-world problems and building bridges with community stakeholders.



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Introducing the NEW Pacific Water Research Centre

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