

2009-2019 - A Decade of Profound Impact

# CSPC 2019

11<sup>th</sup> Canadian Science Policy Conference | [www.sciencepolicy.ca](http://www.sciencepolicy.ca)

## Conference Program

November 13-15, 2019 | Westin Hotel, Ottawa, ON



[www.sciencepolicy.ca](http://www.sciencepolicy.ca)

Dear Friends,

It is an absolute honour and pleasure that we present to you the 11<sup>th</sup> annual Canadian Science Policy Conference. With more than 800 participants, and over 250 speakers from across the country (and for some panels, across the globe), this year promises to offer an excellent venue to set the science and innovation policy agenda in Canada moving forward. This couldn't occur at a more opportune time, following the 2019 federal election and new government mandates and priorities looking forward to the next four years.

Together, we will build stronger bridges between science policy and society and ensure the use of evidence in policy making turning great ideas into great policy. Over the next three days, participants will discuss and debate issues related to science and policy, science and society, science, innovation and economic development, science, international affairs and security, and science and the next generation; and I am confident that the takeaways from your discussions will carry into your important work moving forward.

Looking back, the past ten conferences have all been remarkable and have contributed greatly to the science and innovation community. Now more than ever, we are seeing science and innovation at the forefront of policy and decision making – whether it be in climate change, artificial intelligence, or the endless other applications that are changing the way we live. I am so proud to see how far the Canadian Science Policy Conference has come and I am greatly appreciative to all of the organizations who have supported this endeavour as well as the many wonderful minds who have contributed to the betterment of science policy here in Canada. I thank you all for participating in this year's exceptional Conference, whether as speakers, partners, exhibitors, or attendees, and wish you all the very best here at CSPC 2019.

Sincerely, Mehrdad Hariri  
CEO & PRESIDENT  
Canadian Science Policy Centre



## Fonds de recherche du Québec

### Favoriser les liens entre la science et les politiques publiques

*Fostering links between science  
and public policy*



#### Nos panels

*Our panels*

#### Diplomatie scientifique : rôle et implication de la relève

Jeudi 14 novembre, 13 h 30

*The Role of the Next Generation in Science Diplomacy*

*Thursday, November 14, 1:30 pm*

#### Scientifiques dans l'espace public : quand la discussion tourne à la tempête médiatique

Vendredi 15 novembre, 10 h 15

*Scientists in the public space: when discussion turns into a media storm*

*Friday, November 15, 10:15 am*

#### Les municipalités : territoires d'innovation

Vendredi 15 novembre, 14 h 45

*Municipalities: terrain for innovation*

*Friday, November 15, 2:45 pm*

Québec   
Fonds de recherche – Nature et technologies  
Fonds de recherche – Santé  
Fonds de recherche – Société et culture

## GENERAL INFORMATION

Your badge is your passport to all Conference events, and it is not transferable. Please wear your badge at all times.

### Location

All Conference activities take place at the Westin Hotel, with the exception of the CSPC Gala Dinner and the Science Social.

The Science Social will take place at the Metropolitan Brasserie Restaurant, located at 700 Sussex Drive. The CSPC Gala Dinner, taking place the evening of Thursday, November 14th, will be held at the Shaw Centre (55 Colonel By Drive), which is located right beside the Westin Hotel.

### Registration and Information Desk

The Registration and Information Desk (one for participants, and one for speakers) is located in the Nunavut Room, near the escalators on the Fourth Level:

Wednesday, November 13<sup>th</sup> ..... 7:00am – 5:30pm

Thursday, November 14<sup>th</sup> ..... 7:00am – 5:00pm

Friday, November 15<sup>th</sup> ..... 7:00am – 3:00pm

### Dress

Business Casual attire is recommended for all sessions and functions with the exception of the CSPC Gala Dinner, where Business Professional attire is suggested. Please remember that meeting room temperatures may vary; it is advised to bring a jacket, scarf/shawl, or sweater with you just in case.

### Coat Racks

There will be unsupervised coat racks available for use, located in the Confederation Ballroom.

### Exhibition

The Exhibit Booths are located in the Provinces Ballroom, next to the Confederation Ballroom (Main Plenary, fourth level), as well as in the foyer. Exhibits will be open for visits during all scheduled breaks, breakfasts and lunches during the Conference, as well as during the reception on the first evening.

### Social Media

**Twitter:** Follow us at @sciencepolicy and join the conversation during the Conference using #CSPC2019.

**Facebook:** Find us at facebook.com/canadiansciencepolicy

**LinkedIn:** Find us at <https://www.linkedin.com/company/canadian-science-policy-centre/>

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# VOLUNTEER ORGANIZING COMMITTEE

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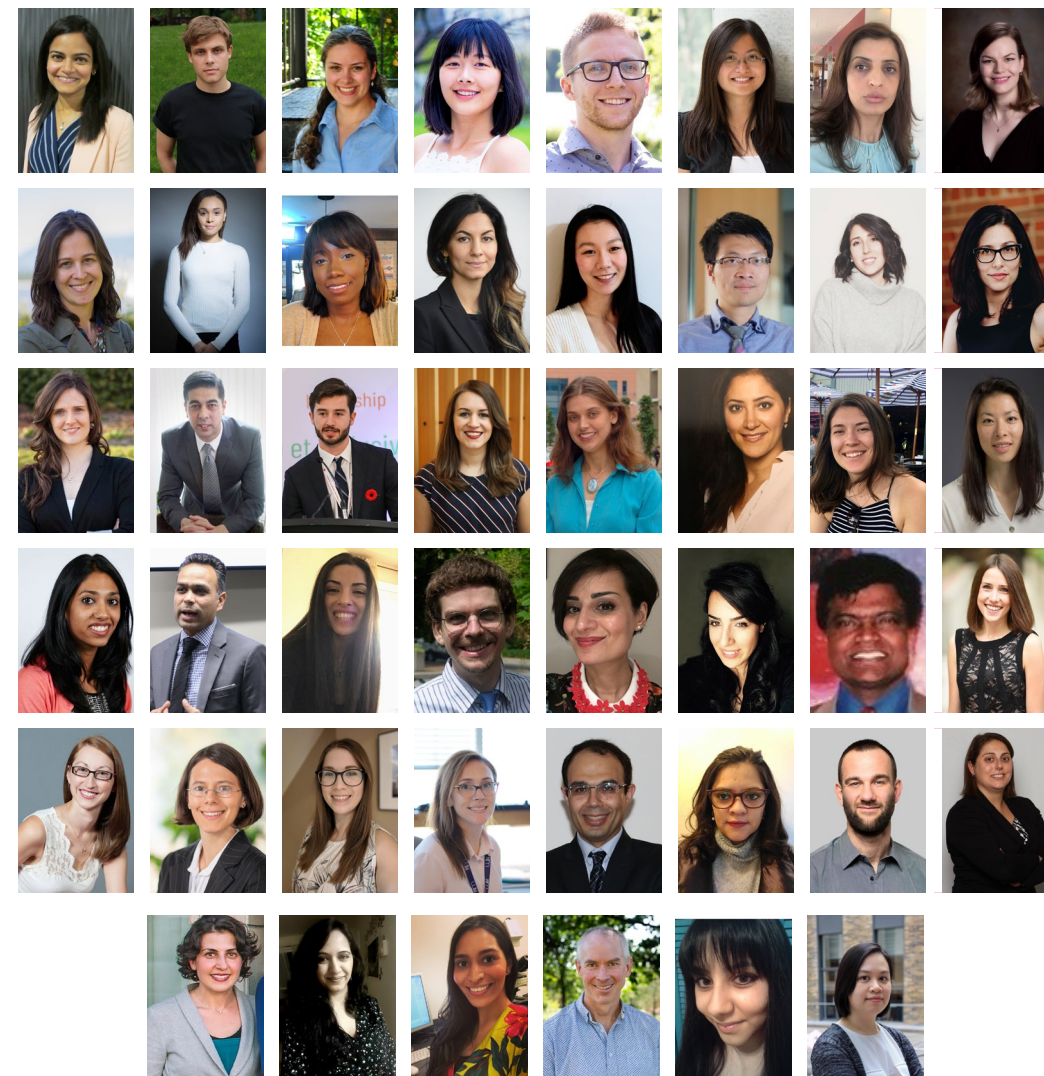
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CSPC 2019 is grateful to have an incredible team of volunteers.





**NRC-CNRC**

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LA PROSPÉRITÉ DU CANADA.**

At the intersection of industry, academia, and government, NRC research informs science policy to advance creative, relevant, and sustainable solutions for Canada. Commitment to research and innovation underpins everything the NRC does.

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À l'intersection de l'industrie, du milieu universitaire et du gouvernement, les recherches du CNRC informent la politique scientifique en vue de faire avancer des solutions créatives, pertinentes, et viables pour le Canada. L'engagement du CNRC envers l'excellence en recherche et en innovation étaye tout ce qu'il entreprend.

**Curieux? Vous voulez en savoir plus?  
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## Panel Organizers by Company/ Organization Name

- American Association for the Advancement of Science
- Art the Science
- Canadian Association of Science Centres
- Canada Foundation for Innovation
- Canada Research Coordinating Committee Secretariat
- Canadian Institutes of Health Research
- Canadian Science Policy Centre
- The Centre for the Study of Science and Innovation Policy
- Colleges and Institutes Canada
- Compute Ontario
- Council of Canadian Academies
- David Johnston Research & Technology Park
- Digital Mi'kmaq
- Embassy of Switzerland in Canada
- European Commission's Joint Research Centre
- Evidence for Democracy
- FACIT
- The Fathom Fund
- Federation for the Humanities and Social Sciences
- Fonds de recherche du Québec
- Genome British Columbia
- Genome Canada
- Hoffmann-La Roche Ltd.
- International Development Research Centre
- Ingenium
- INGSA North America
- Institute for Science, Society and Policy, University of Ottawa
- Institute of Environment, University of Ottawa
- Johnson Shoyama Graduate School of Public Policy
- National Alliance of Provincial Health Research Organizations
- National Research Council Canada
- Natural Sciences and Engineering Research Council of Canada
- Neuro (Montreal Neurological Institute & Hospital)
- NIVA Inc.
- Office of the Chief Science Advisor of Canada
- Office of the Chief Scientist, Alberta Environment and Parks
- Office of the Chief Scientists, Natural Resources Canada
- Pixels & Plans
- Privy Council Office
- Public Services and Procurement Canada
- The Oceans Research in Canada Alliance
- Queen's University
- Ryerson Diversity Institute
- Ryerson University, Office of Vice President Research and Innovation
- School of Public Administration & Gustavson School of Business, University of Victoria
- School of Journalism and Communication, Carleton University
- Simon Fraser University
- Spindle Strategy Corp.
- Social Sciences and Humanities Research Council of Canada
- UK Research and Innovation
- UK Research and Innovation North America
- University of Alberta
- University of Waterloo
- University of Toronto, Office of the Vice-President, Research and Innovation
- VISTA Science & Technology Inc.

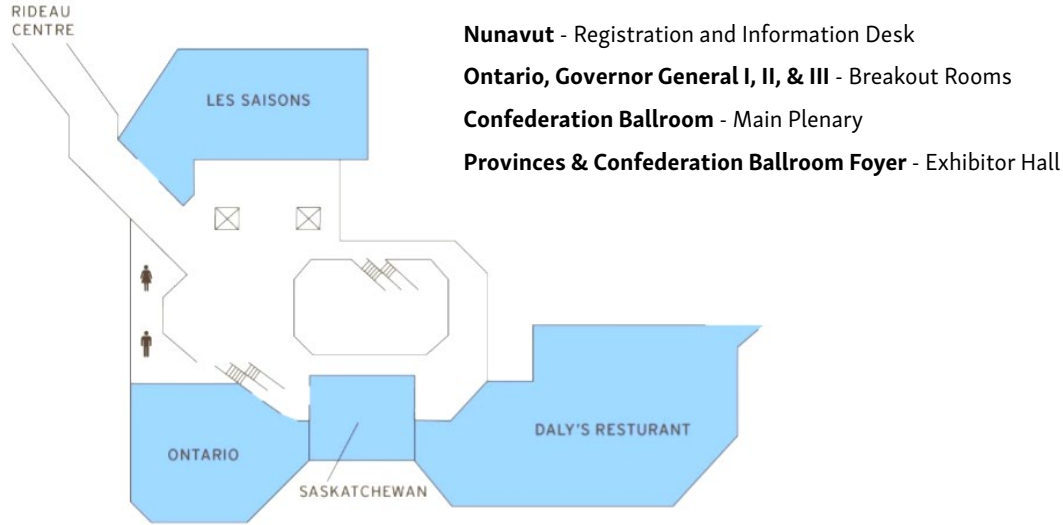
## Community Friends

- Association francophone pour le savoir
- Canadian Nutrition Society
- Canadian Political Science Association
- The Canadian Society of Evidence-Based Policing (CAN-SEBP)
- Canadian Society for the History and Philosophy of Science
- Carleton University School of Public Policy and Administration
- Cybera
- Health Science Inquiry
- Institute On Governance
- Life Sciences Ontario
- Michael Smith Foundation for Health Research
- RE\$EARCH MONEY
- Science & Policy Exchange
- Society for Canadian Women in Science & Technology
- Science & Technology Awareness Network
- Techsploration

## Exhibitors

- Canada Foundation for Innovation
- Canadian Institutes of Health Research
- Canadian Science Publishing
- Canadian Space Agency
- Carleton University
- Council of Canadian Academies
- Genome Canada
- Global Advantage Consulting Group
- Oceans Research in Canada Alliance (ORCA)
- Ontario Centres of Excellence
- The Leaders Circle
- Mitacs
- National Research Council of Canada (NRC)
- Natural Sciences and Engineering Research Council of Canada (NSERC)
- NIVA Inc.
- Nuclear Waste Management Organization
- Queen's University
- Ryerson Urban Water
- Social Sciences and Humanities Research Council (SSHRC)
- University of Ottawa
- University of Toronto

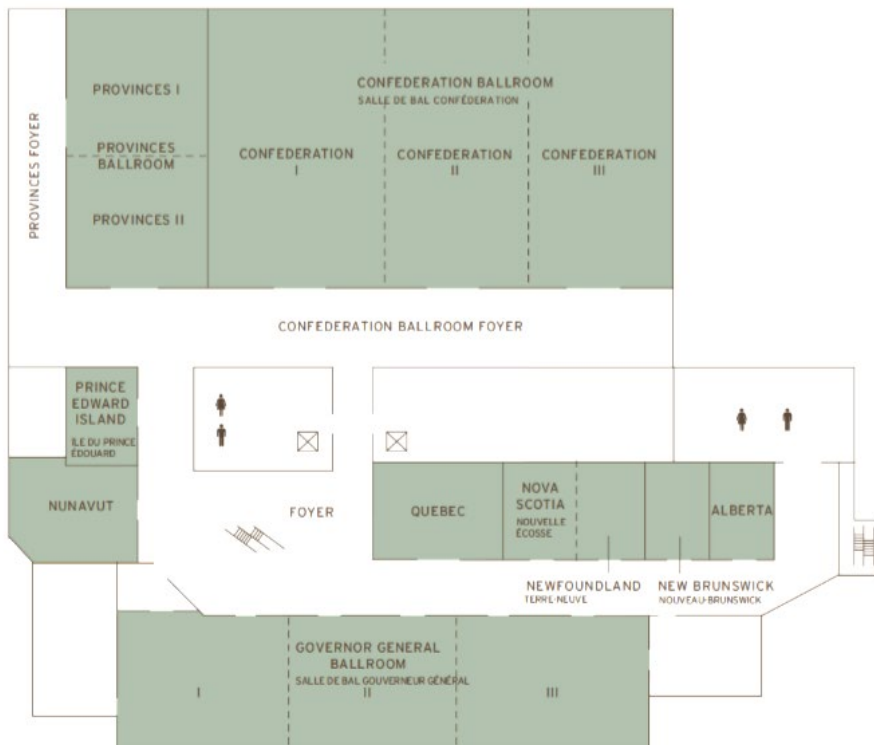
Third Level



Legend

- Nunavut - Registration and Information Desk
- Ontario, Governor General I, II, & III - Breakout Rooms
- Confederation Ballroom - Main Plenary
- Provinces & Confederation Ballroom Foyer - Exhibitor Hall

Fourth Level



Exhibitor Level

- 11 NSERC
- 12 SSHRC
- 13 Queen's University
- 14 Canadian Science Publishing
- 15 University of Toronto
- 16 Carleton University

Canada Foundation for Innovation

10

Exhibitor Hall

CIHR

9

- 1 Canadian Council of Academies
- 2 University of Ottawa
- 3 Global Advantage Consulting Group
- 4 Ryerson University
- 5 Genome Canada
- 6 The Leaders Circle
- 7 Nuclear Waste Management Association
- 8 Canadian Space Agency



Foyer

## CSPC Themes

- **THEME 1:**  
Science and Policy
- **THEME 2:**  
Science and Society
- **THEME 3:**  
Science, Innovation and Economic Development

- **THEME 4:**  
Science and International Affairs
- **THEME 5:**  
Science and the Next Generation

## Wednesday, November 13<sup>th</sup>

<b>7:00AM – 5:30PM</b>	<b>Registration and Information Desk</b> (Nunavut Room)
<b>7:00AM – 8:00AM</b>	<b>Breakfast</b> (For Symposium Registered Delegates Only) (Confederation Ballroom)
<b>8:00AM – 11:45AM</b>	<b>Symposiums</b>  Acting for Equity, Diversity, and Inclusion in Canadian Science and Research (Governor General II) Future Skills and Talent Development (Governor General I) Oceans Research in Canada Alliance – Oceans Science & Policy Symposium (Confederation Ballroom) Science advice for foresighting: the slow burn (Ontario) Science Policy 101 Workshop (Governor General III)
<b>9:30AM – 10:45AM</b>	<b>Coffee Break</b> (For Symposium Registered Delegates Only) (Foyer)
<b>11:45AM – 1:00PM</b>	<b>Lunch</b> (For Symposium Registered Delegates Only) (Governor General I, II and III)
<b>1:00PM – 2:15PM</b>	<b>Opening Plenary Session</b> Leveraging data for science advice and rapid response to health emergencies (Confederation Ballroom)
<b>2:15PM – 2:30PM</b>	<b>Coffee Break</b> (Exhibitor Hall)

## 2:30PM – 3:45PM

### Panel Sessions

- 314 - A Winning Formula for Building Regional Innovation Capacity: Skills, Research and Collaboration (Governor General II)
- 317 - Bridging the Gap: Timely Patient Access to Innovative Medicines in the Rare Disease and Disorder Space (Governor General III)
- 304 - Toward a Quantum Strategy for Canada (Confederation Ballroom)
- 103 - Bringing the social sciences into new policy spaces: solution-oriented case studies and dialogue (Ontario)
- 112 - Risk, Uncertainty, Unknowns and Nonsense – Engagement with the Public on Radiation, Nuclear, and Climate (Governor General I)

## 3:45PM – 4:15PM

### Coffee Break (Exhibitor Hall)

## 4:15PM – 5:30PM

### Panel Sessions

- 309 - Ontario-First in the innovation economy: impacts of a \$1B public-private-partnership on Canadian healthcare commercialization (Governor General II)
- 408 - Personhood rights for water bodies: A fad or path to Sustainable Development Goals? (Ontario)
- Meet the Executives - An Interactive Session for Early Career Professionals (Governor General I)
- 116 - How the sciences of human behavior can help us put knowledge at the heart of policymaking (Governor General III)
- 123 - International Research Collaboration in a Polarized World (Confederation Ballroom)

## 5:30PM – 6:30PM

### Reception: Hosted by UK Research and Innovation North America (Foyer & Exhibitor Hall)

## 6:30PM – 7:30PM

### Keynote Session

Not a palaver! How can interdisciplinary, intersectoral and international collaboration can be successful?  
(Confederation Ballroom)

## 7:30PM – 9:00PM

### Science Social

Finish off the first day of the Conference in a casual and relaxing ambiance, chatting with delegates. Appetizers to be served.  
(The Metropolitan Brasserie Restaurant, 700 Sussex Drive)



## Thursday, November 14<sup>th</sup>

<b>7:00AM – 5:00PM</b>	<b>Registration and Information Desk</b> (Nunavut Room)
<b>7:45AM – 8:25AM</b>	<b>Breakfast Session</b> <i>Hosted by Simon Fraser University</i> - DATA FOR IMPACT: How trusted partners can advance Canada's digital transformation (Confederation Ballroom)
<b>8:30AM – 9:50AM</b>	<b>Plenary Session</b>  ■ Global Relationships in an Innovation Economy: Capitalizing on Canada's Strengths in Collaboration and Partnership (Confederation Ballroom)
<b>9:50AM – 10:30AM</b>	<b>Coffee Break</b> (Exhibitor Hall)
<b>10:30AM – 11:50PM</b>	<b>Panel Sessions</b>  ■ 404 - Research without borders: funding agency case studies on international collaboration (Governor General II)  ■ 106 - The PROMISE OF SCIENCE and Its Implications for Science Policy: Perspectives of Canada's STI Community (Ontario)  ■ 213 - Artificial Intelligence (AI) – How interdisciplinary AI contributes to resilient and just societies (Governor General III)  ■ 207 - Harnessing the power of the crowd: innovative solutions to engaging communities in research (Governor General I)  ■ 203 - The Public Record: Enabling scientists to be honest brokers of evidence & information in an age of popular misinformation (Confederation Ballroom)
<b>11:50PM – 1:30PM</b>	<b>Luncheon Session</b> A Conversation with Dr. Mona Nemer, Canada's Chief Science Advisor (Confederation Ballroom)
<b>1:30PM – 2:50PM</b>	<b>Panel Sessions</b>  ■ 306 - Whose Facts actually Matter? How to Truly Embrace Inclusiveness in Science, Innovation and Policy (40 min) (Confederation Ballroom)  ■ 504 - From the perspective of a new generation of Indigenous professionals, what would an Inclusive Innovation Agenda look like? (40 min) (Confederation Ballroom)

- 134 - Precision Policy – Advances in Big Data Analytics and Government Policy (40 min) (Governor General III)
- 102 - Policy Lessons in the Age of Technological Disruption (40 min) (Governor General III)
- 211 - Convergence science and tackling grand challenges (40 min) (Ontario)
- 217 – Moving from Place to Purpose: Science Centres, Social Impact and UN SDGs (40 min) (Ontario)
- 518 - The Role of the Next Generation in Science Diplomacy (40 min) (Governor General I)
- 209 - Creating SciComm: An interactive session connecting scientists, policy makers and the public (40 min) (Governor General I)
- 308 - AI as an Enabler of Innovative Competitiveness (80 min) (Governor General II)

<b>2:50PM – 3:30PM</b>	<b>Coffee Break</b> (Exhibitor Hall)
<b>3:30PM – 4:50PM</b>	<b>Panel Sessions</b>  ■ 403 - Science Diplomacy in a Changing Arctic (Governor General II)  ■ 135 - Artificial Intelligence and Natural Resources Management (Ontario)  ■ 118 - Evidence in Practice: How do Decision-Makers Obtain and Use Information? (Governor General III)  ■ 126 - The Influence of Indigenous Knowledge on Policy and Practice (Confederation Ballroom)  ■ 222 - Making Science Communication Happen – moving from good intentions to getting the job done (Governor General I)
<b>5:30PM – 6:30PM</b>	<b>Pre-Gala Dinner Reception</b> For Gala Dinner RSVPs only.
<b>6:30PM</b>	<b>CSPC 2019 Gala Dinner</b> For Gala Dinner RSVPs only.
<b>9:00PM</b>	<b>Post-Gala Dinner Reception</b> For Gala Dinner RSVPs only.

Shaw Centre,  
55 Colonel By Drive

## Friday, November 15<sup>th</sup>

<b>7:00AM – 3:00PM</b>	<b>Registration and Information Desk</b> (Nunavut Room)
<b>7:45AM – 8:25AM</b>	<b>Breakfast Session</b> <i>Hosted by Public Services and Procurement Canada</i> - Building Collaborative Opportunities with Federal Science (Confederation Ballroom)
<b>8:30AM – 9:50AM</b>	<b>Plenary Session</b>  ■ 138 - The Future of Research Excellence: A Conversation with Canada's Granting Agencies (Confederation Ballroom)
<b>9:50AM – 10:30AM</b>	<b>Coffee Break</b> (Exhibitor Hall)
<b>10:30AM – 11:50AM</b>	<b>Panel Sessions</b>  ■ 305 – Open Science is transforming the research landscape (40 min) (Governor General I)  ■ 215 – Eating right, living better: Building healthier food systems worldwide (40 min) (Governor General I)  ■ 410 – Lines in the Sand: The Struggle for National Security in a World of Globalized Technology (40 min) (Ontario)  ■ 409 – Artificial Intelligence: Building Resilience Against Cyber Threats (40 min) (Ontario)  ■ 221 – Scientists in the public space: when discussion turns into a media storm (40 min) (Governor General III)  ■ 214 – Fighting the opioid crisis by reducing stigma in the media and using media to reduce stigma (40 min) (Governor General III)  ■ 130 - Mapping dynamic research ecosystems: tapping into new indicators, big data, and emerging technologies (80 min) (Confederation Ballroom)  Short Talks Series (80 min) (Governor General II)
<b>11:50AM – 1:00PM</b>	<b>Lunch</b> (Confederation Ballroom)  <i>Remarks from Simon Kennedy, Deputy Minister of Innovation, Science and Economic Development and Daan du Toit, Deputy Director-General, International Cooperation and Resources, Department of Science and Innovation (DSI) of the Republic of South Africa</i>

## 1:00PM – 2:20PM

### Panel Sessions

- 515 – What future for young science policy practitioners? (40 mins) (Governor General III)
- 302 – Supports for women entrepreneurs: discussion on existing knowledge, research and innovative methods to dismantle barriers (40 min) (Governor General III)
- 315 – Examining the Role of Data Trusts in Smart Cities Governance (80 min) (Confederation Ballroom)
- 131 – Fishing for Open Science Innovation – Should Canada join cOAlition/Plan S? (80 min) (Governor General I)
- 514 – Empowering youth through self-led and experiential learning (80 min) (Governor General II)
- 508 – SING'ing Indigenous Technoscience: An Encounter with the Summer Internship for INdigenous peoples in Genomics Canada (SING) (3 hour demonstration) (Ontario)

## 2:20PM – 2:45PM

### Coffee Break

 (Exhibitor Hall)

## 2:45PM – 4:00PM

### Closing Plenary Session

- 136 – Municipalities: terrain for innovation (Confederation Ballroom)



#CSPC2019



CSPC

CANADIAN SCIENCE POLICY CENTRE

11<sup>th</sup>

## Canadian Science Policy Conference

November 13-15, 2019 | Westin Hotel, Ottawa, ON

The Canadian Science Policy Centre (CSPC) has made significant contributions in elevating the status of science and innovation policy in Canada by becoming the focal point for connecting various disciplines, sectors, regions, and generations. The CSPC has become the main source of information sharing and has linked the science policy debate to the mainstream media, engaged youth, and brought new faces into the science policy discourse. The Centre has energized the Canadian science policy community.

With a ten-year track record of success, the Centre is now primed for much needed growth to fill the gaps in the quickly changing landscape of science policy and to respond to the community's evolving needs. The Centre continues its operation in particular around the following areas:

- Strengthen Canadian democratic involvement in public policy in science;
- Bridge formal structures to look at science & innovation policy issues in new ways;
- Convene and promote dialogue among diverse stakeholders in science policy (public, private, academic, NGO, Parliamentary);
- Connect organizations and people, share insights and resources, harness grassroots engagement, act as a bridge among sectors;
- Build human capital, engage youth, train the future leaders of science policy; and,
- Catalyze research to map and enhance the science policy landscape in Canada.

The annual Conference has become Canada's most comprehensive, multisectoral, and interdisciplinary forum for addressing emerging and urgent issues of science and innovation policy in the 21st century. It is used as a major platform for various reports and projects from the main science related organizations in the country, where they are presented to be discussed.



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Forte de ses talents et par sa vision en matière d'innovation, son bilinguisme et sa proximité stratégique avec les décideurs nationaux, l'**Université d'Ottawa** se distingue en tant que partenaire incontournable pour façonner les politiques publiques d'aujourd'hui et de demain.

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With our wealth of talent, our strong vision for innovation, our commitment to bilingualism and our strategic access to national decision-makers, the **University of Ottawa** stands out as a vital partner in shaping public policy for today and tomorrow.

**CSPC TO CONVENE: FOSTERING A COMMUNITY**

**Annual Canadian Science Policy Conferences 2009-2019: A Decade of Impact**

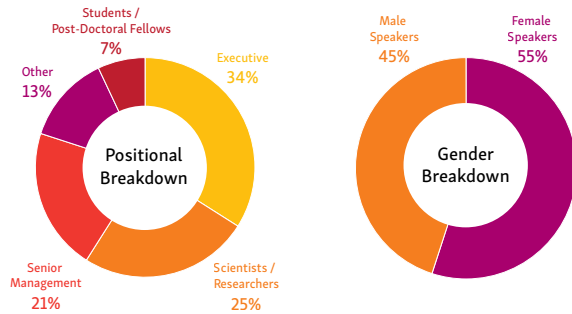
- ★ An inclusive forum for fostering dialogue on pressing issues of science and innovation policy
- ★ National focal point for connecting, exchanging ideas, and networking
- ★ Linking science and innovation to public policy and societal issues
- ★ Bringing the science and innovation discussion into mainstream media

**Pioneering new insights on topical issues through symposiums and panel discussions**

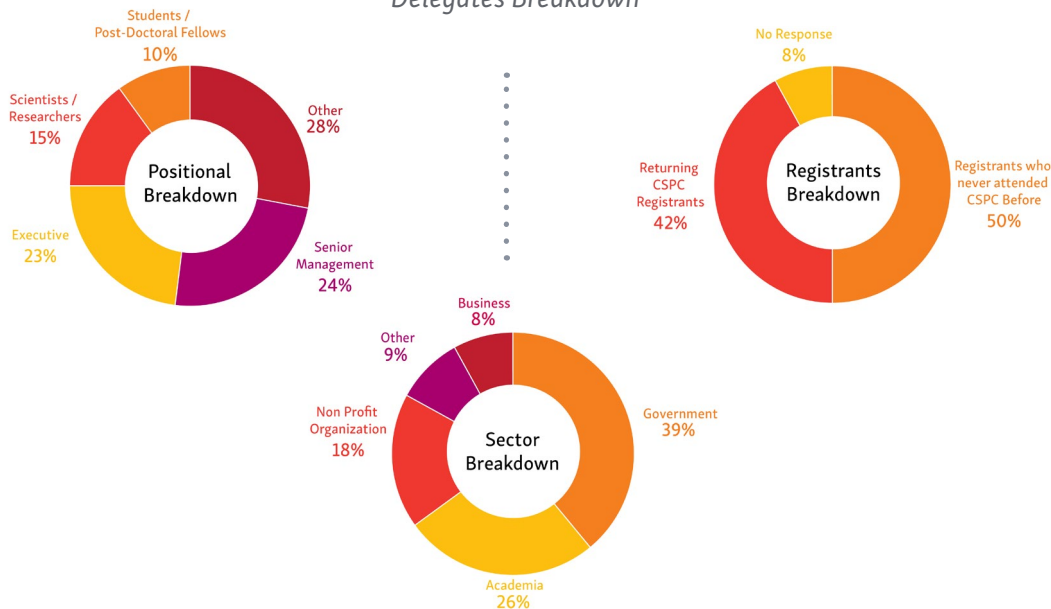
**11<sup>th</sup> Annual Canadian Science Policy Conference 2019 Statistics**

**900 attendees (record-breaking numbers)**  
**250+ speakers**  
**55 panels**

*Panelists Breakdown*



*Delegates Breakdown*



**CSPC TO CONNECT: BRIDGING SCIENCE, POLICY, AND SOCIETY**

**Science Meets Parliament**

- ★ Connecting scientists to parliamentarians, cultivating meaningful discussions
- ★ Introducing scientists to policy making at the political level
- ★ Providing an opportunity for parliamentarians to learn about various research topics and how they may be used in policy making

**Impacting National Discourse**

- Twitter**  
10.5K Followers 14.5K of tweets
- Facebook**  
1,300+ Followers
- CSPC website/ editorial reach**  
28,000+ page views in Q4 2018
- CSPC Newsletter**  
5000+ subscribers

**CSPC TO BUILD CAPACITY FOR THE NEXT GENERATION**

- ★ A gateway for young professionals into science policy; **1000+** volunteers engaged since 2009
- ★ Developing leadership, management, and communication skills in science policy
- ★ Workshops to train the next generation of science policy experts

**CSPC IN THE HORIZON**

- 1<sup>st</sup> CSPC Annual Magazine**
- 6-Part Workshop Module**
- Science Meets Parliament 2020**  
**Science Meets Government 2020**
- 12<sup>th</sup> Annual Canadian Science Policy Conference 2020**

COMING IN SPRING 2020 CSPC IS PLEASED TO ANNOUNCE:

# **PROFESSIONAL DEVELOPMENT WORKSHOP MODULE**

*CSPC's series of training workshops  
are designed to enable the next  
generation of science  
policy experts*

- **Science Policy 101**
- **Science Diplomacy: New Approaches to International Relations**
- **Equity Diversity & Inclusion in Science: Creating an EDI Culture**
- **Best Practices in Evidence-Based Decision Making**
- **Science Communication: Linking Research to Policy and the Public**
- **How to Become a Science Entrepreneur**

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Oceans Research in Canada Alliance

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Canadian Science Policy Conference  
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Westin Hotel, Ottawa  
Register: [ORCA.AROC@dfo-mpo.gc.ca](mailto:ORCA.AROC@dfo-mpo.gc.ca)

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## Noteable Sessions Hosted by CSPC, 2009-2018

### Science and Policy

- What are Canada's likely challenges in the next 50 years, and how can scientific knowledge be used to solve them? (2017, Ottawa)
- How does Canada get the new scientific knowledge it needs? (2017, Ottawa)
- How do we strengthen the environment for the production and integration of new scientific knowledge? (2017, Ottawa)
- How can we more effectively bring new and existing scientific knowledge to bear on Canada's challenges? (2017, Ottawa)
- Science Funding Review: New Visions and New Directions (2016, Ottawa)

- Workshop/Symposium: Evidence Based Decision Making (2015, Ottawa)
- Workshop: Science Communication (2013, Toronto)
- Workshop: K\* (Knowledge, Mobilization and Dissemination) (2010, Montreal)
- Canadian Science and Technology Strategy: Looking Towards 2020 (2014, Halifax)
- Emerging Issues in Canadian Science Policy (2013, Toronto)
- Major Issues in Canadian Science Policy (2011, Ottawa)
- Major Issues in Canadian Science Policy (2010, Ottawa)
- Major Issues in Canadian Science and Technology Policy (2009, Toronto)
- Science and Technology and Canada's Future Challenges (2009, Toronto)

### Science and Society

- How do we engage the public in Canada's science system? (2017, Ottawa)
- A New Culture of Policy Making And Evidence-Based Decision-Making: Horizons and Challenges (2016, Ottawa)
- Evidence Based Decision Making (2015, Ottawa)
- Transformation of Science Society and Research in the Digital Age; Open Science Participation Security and Confidentiality (2015, Ottawa)
- Communicating Science and Technology (2013, Toronto)
- Science-Technology-Society-Nexus (2012, Calgary)
- Science, Politics and Culture in Canada (2011, Ottawa)
- Science and Public Engagement (2009, Toronto)
- Workshop/Symposium: Achieving Diversity in STEM, Advancing Innovation (2016, Ottawa)
- Workshop/Symposium: Evidence-Based Decision-Making (2016, Ottawa)
- Workshop/Symposium: Achieving Diversity in STEM, Advancing Innovation (2016, Ottawa)
- Workshop/Symposium: Evidence-Based Decision-Making (2016, Ottawa)

### Science and the Next Generation

- Graduate Studies and Research Training: Prospects in a Changing Environment (2013, Toronto)
- Creating and Retaining Scientific Talent in Canada (2010, Montreal)
- Workshop: Science Policy 101 (2017, Ottawa)
- Workshop: Nuts and Bolts of Science Policy (2016, Ottawa)
- Workshop: Entrepreneurship and Career Development (2010, Montreal)
- Workshop: Nuts and Bolts of Science Policy (2015, Ottawa)
- Workshop: Nuts and Bolts of Science Policy (2013, Toronto)
- Workshop: Science Policy 101 (2012, Calgary)
- Workshop: Science Policy 101 (2011, Ottawa)

### Private Sector and Innovation

- A New Innovation Agenda for Canada (2016, Ottawa)
- The Impact of Transformative and Converging Technologies on Private Sector Innovation and Productivity (2015, Ottawa)
- Innovation and Partnerships: A Recipe for Success (2014, Halifax)
- Advancing Economic Development and Prosperity with S&T (2014, Halifax)
- Private Sector R&D and Innovation: New Realities and Models (2013, Toronto)

### Sector Specific

- Clean Energy and Climate Change as Global Priorities: Implications for Canada? (2016, Ottawa)
- Big Science in Canada, Realizing the Benefits (2015, Ottawa)
- The Art and Science of Risk Assessment: A Global Conversation Risk (2014, Halifax)
- Food, Fuel and Farmers: Agriculture at the Convergence of Multi-Disciplinary Science Policy Issues (2012, Calgary)
- Innovating on Energy Supply and Demand for More Sustainable Resource Management: A Critical Test for the Integration of Science, Technology and Policy (2012, Calgary)
- Re-Imagining Canadian Health Care: How Innovation in Science and Policy Can Contribute to a More Sustainable System (2012, Calgary)
- Exploring the True North, Reflections on Northern Science Policy (2011, Ottawa)
- Special Focus: International Year of Chemistry (2011, Ottawa)
- A Glance at Bioscience in Canada (2010, Montreal)
- Workshop/Symposium: 1st Canadian Symposium on Space Policy (2016, Ottawa)
- Enabling Private Sector Innovation (2011, Ottawa)

- Increasing Canadian Productivity Using Science and Technology (2010, Montreal)
- Scientific Research in Economic Growth and Recession (2009, Toronto)
- Workshop: The Start-Up Meet-Up: A Lean Entrepreneurship Approach to Advancing Innovation (2014, Halifax)

### Science & International Affairs

- Canada's Return to the International Stage: How Can Science Help Foreign Policy (2016, Ottawa)
- Science and Innovation for Development (2015, Ottawa)
- Emerging Trends in International Trade and Diplomacy: The Role of Science and Technology (2013, Toronto)
- Global Perspectives in Science and Technology (2010, Montreal)
- Science and Technology in the Global Village (2009, Toronto)
- Workshop/Symposium: Science Diplomacy (2016, Ottawa)
- Workshop/Symposium: Diaspora Scientists (2015, Ottawa)
- Workshop/Symposium: Science Diplomacy (2013, Toronto)

7:00am – 5:30pm NUNAVUT ROOM

**Registration and Information Desk**

7:00am – 8:00am CONFEDERATION BALLROOM

**Breakfast**  
(For Symposium Registered Delegates Only)

8:00am – 11:45am GOVERNOR GENERAL II

### Symposium 1: Acting for Equity, Diversity, and Inclusion in Canadian Science and Research

*Symposium Organizer: The Canadian Science Policy Centre (CSPC)*

This pre-conference symposium focuses on strategies, actions, and perspectives related to acting toward greater equity, diversity, and inclusion (EDI) in Canadian research, science and policy. While we continue to face systemic barriers to inclusion, it is an exciting time to tackle challenges given the recent launch of the Dimensions Charter. Hear from the Tri-agencies, researchers, and policymakers as they discuss how to advance EDI across sectors. The first portion of the symposium will focus on dismantling barriers to inclusion. The second portion will feature strategies and takeaways for embedding EDI into policy and practice using social science and collaboration.

### Speakers



**Ryan Anderson**  
Founder and President, Satellite Canada Innovation Network



**Roopali Chaudhary**  
Co-founder, Women of Colour in STEAMM Canada (WoCScan); Founder and CEO, Louts STEMM



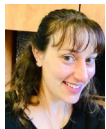
**Tammy Clifford**  
Vice President, Research Programs, Canadian Institutes of Health Research



**Imogen R. Coe**  
Professor, Faculty of Science, Ryerson University



**Sandra Corbeil**  
Director, Strategic Partnerships and Networks, Ingenium



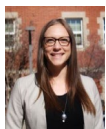
**Brittany Grimsdale**  
Acting Program Head, Women in Trades and Technology, Saskatchewan Polytechnic



**Eleanor Haine-Bennett**  
Program Officer for Natural Sciences, Canadian Commission for UNESCO



**Eden Hennessey**  
Research and Programs Director, Laurier Centre for Women in Science (WinS)



**Jessica Kolopenuk**  
Assistant Professor, Faculty of Native Studies, University of Alberta



**Karine Morin**  
Director, Policy and Interagency Affairs, Natural Sciences and Engineering Research Council of Canada (NSERC)



**Krishana Sankar**  
Doctoral Fellow, University of Toronto



**Ana Sofia Barrows**  
Project Coordinator, Equity, Diversity and Inclusion, Rotman School of Management, University of Toronto



**Mahadeo Sukhai**  
Head of Research and Chief Accessibility Officer, Canadian National Institute for the Blind



**Vanessa Sung**  
Science Policy Analyst, Office of the Chief Science Advisor of Canada



**Liette Vasseur**  
UNESCO Chair, Community Sustainability: from Local to Global; Professor, Department of Biological Sciences and the Women and Gender Program, Brock University

### Symposium Agenda: Acting for Equity, Diversity, and Inclusion in Canadian Science and Research

TIME	ACTIVITY
8:00AM – 8:10AM	Land acknowledgment; Introduction by <i>Eden Hennessey</i>
8:15AM – 9:00AM	How Can Multiple Layers of Society Collaborate to Dismantle Barriers to Gender Equity in STEM? (including Q&A) Chair: <i>Eleanor Haine-Bennett</i> Speakers: <i>Sandra Corbeil, Brittany Grimsdale, Liette Vasseur</i>
9:05AM – 10:25AM	Minority integration into the Canadian STEM Workforce (including summary of findings) Chair: <i>Bhairavi Shankar, Krishana Sankar</i> Speakers: <i>Ana Sofia Barrows, Vanessa Sung, Roopali Chaudhary, Ryan Anderson</i>
10:25AM – 10:40AM	Coffee Break
10:40AM – 11:30AM	Better Together: Promoting Equity, Diversity, and Inclusion Dialogue among Scientists, Social Scientists, and Policymakers & Tri-Agency Panel: The Dimensions Charter and working on EDI across agency sectors (including Q&A). Chair: <i>Eden Hennessey</i> Speakers: <i>Imogen Coe, Mahadeo Sukhai, Jessica Kolopenuk, Karine Morin, Tammy Clifford</i> *social science informing tri-agency work in EDI*
11:35AM – 11:45AM	Summary of recommendations by <i>Eden Hennessey</i> and Chairs ( <i>Karine Morin, Eleanor Haine-Bennett, Krishana Sankar</i> )



**Roche is a proud sponsor of the 2019 Canadian Science Policy Conference**

8:00am – 11:45am GOVERNOR GENERAL I

### Symposium 2: Future Skills and Talent Development

*Symposium Organizer: The Canadian Science Policy Centre (CSPC)*

Canada's economy is in a time of disruptive change. New technologies, shifting markets, the rise of precarious employment, and the rapidly evolving needs of industry create new challenges for employment and innovation, challenges which require major investments in talent and skills-building. But what do graduates need? The two interactive panels will offer perspectives on projections, innovative professional development programming, work-integrated learning initiatives and priorities for research and innovation stakeholders around talent. Participants will be invited to participate in group-brainstorming and consultative discussion with panelists, with an emphasis on cross-sectional perspectives.

#### Moderator



**Sandra Lapointe**  
Associate Professor and Director of The/La Collaborative, McMaster University

#### Speakers



**Wendy Cukier**  
Associate Professor and Director of the Diversity Institute, Ryerson University



**Kamilla Karoli**  
Senior Advisor, Program Development, Mitacs Canada



**Nana Lee**  
Assistant Professor and Director of Graduate Professional Development, University of Toronto, Faculty of Medicine



**Vivian Nguyen**  
Assistant Professor, Carleton University Institute of Environmental and Interdisciplinary Science



**Jeff Ollinger**  
Senior Manager, Early Talent Acquisition, Royal Bank of Canada



**Bruce Seet**  
Director of Medical Affairs, Sanofi Pasteur Inc.



**Peter Severinson**  
Policy Team Manager, Mitacs Canada



**Tim Wilson**  
Executive Director, Grants and Partnerships, Social Sciences and Humanities Research Council (SSHRC)

### Symposium Agenda: Future Skills and Talent Development

TIME	ACTIVITY
8:00AM	Opening remarks
8:05AM	<b>First Panel: Program Implementation</b> <i>Peter Severinson; Nana Lee; Vivian Nguyen; Bruce Seet</i>
8:35AM	Brainstorming
8:55AM	General Discussion
9:20AM	Closing <i>Peter Severinson</i>
9:30AM	Break
9:45AM	<b>Second Panel: Innovative Programming</b> <i>Sandra Lapointe; Wendy Cukier; Kamilla Karoli; Jeff Ollinger; Brian Robson; Tim Wilson</i>
10:15AM	Instructions and Team Discussion
11:15AM	Summary, Outcomes and Next Steps



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8:00am – 11:45am CONFEDERATION BALLROOM

### Symposium 3: Oceans Research in Canada Alliance – Ocean Science & Policy Symposium

*Symposium Organizer: The Oceans Research in Canada Alliance (ORCA)*

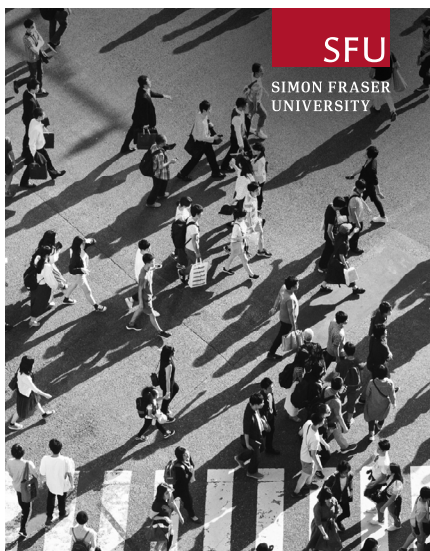
The Oceans Research in Canada Alliance (ORCA) is a community of experts whose goal is to advance the coordination of ocean science and technology in Canada through collaborative, cross-sectoral, efforts. One challenge being addressed by this community is how to bridge the science-policy gap on key ocean issues. Given the magnitude of changes occurring in our oceans, cutting-edge Canadian ocean science has an essential role to play in informing our public policies and regulations in every domain from coastal resilience to public health. Join us and help to identify innovative and collaborative solutions to maximize the uptake of ocean science in Canadian public policy.

#### Moderator



**David J. Scott**  
President and CEO, Polar Knowledge Canada

*Speakers to be announced.*



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8:00am – 11:45am ONTARIO

### Symposium 4: Science advice for foresighting: the slow burn

*Symposium Organizer: INGSA North America, in coordination with the Council of Canadian Academies*

Slow-burn problems are those where, despite scientific consensus, public interest is low, responsibilities are dispersed, and there is a high cost to inaction. Slow-burn problems are unique challenges for the science advice community. Can foresighting be effectively used to tackle slow burns? How can engagement with decision makers be maintained? How can trust with the public be developed? We will consider these and related questions through featured speakers and a short case study using antimicrobial resistance (AMR) as an example.

#### Moderator



**Johannes Klumpers**  
European Commission DG RTD - Head of Unit RTD.03 – Chief Scientific Advisors, SAM-EGE

#### Speakers



**Karen Akerlof**  
Assistant Professor, Department of Environmental Science and Policy, George Mason University



**Kristiann Allen**  
Senior Investigator, Centre for Science in Policy, Diplomacy and Society (SciPoDS), University of Auckland



**Rees Kassen**  
Chair of the Partnership Group for Science and Engineering



**Eric M. Meslin**  
President and CEO, Council of Canadian Academies



**Kevin Page**  
President and CEO, IFSD Institute of Fiscal Studies and Democracy, University of Ottawa



**Kristel van der Elst**  
Executive Head, Policy Horizons Canada

### Symposium Agenda: Science advice for foresighting: the slow burn

TIME	ACTIVITY
8:45AM	<b>Introduction – Framing the challenges of science advice on slow burn problems and an introduction to AMR as a case study</b> <i>Kristiann Allen, INGSA; Rees Kassen, uOttawa</i>
9:05AM	<b>Expert panel discussion</b> <i>Johannes Klumpers; Eric M. Meslin; Kristel van der Elst; Kevin Page; Karen Akerlof</i>
10:00AM	<b>Break</b>
10:05AM	<b>Facilitated role-playing case study</b> Participants will participate in a role-playing scenario where there is strong political motivation to act and similarly strong potential for conflict portfolios.
11:15AM	<b>Report back and debrief</b>
11:30AM	<b>Questions and panelist reactions</b>

# AGENDA

WEDNESDAY, NOVEMBER 13<sup>TH</sup>

8:00am – 11:45am GOVERNOR GENERAL III

## Symposium 5: Science Policy 101 Workshop

Symposium Organizer: The Canadian Science Policy Centre (CSPC)

Curious about science policy?

This pre-conference workshop will provide a gateway into the world of science policy and is targeted particularly to those new to the field. You will gain an understanding of what science policy is and how it works through a morning of presentations, interactive exercises and discussion. The workshop will help you understand the science policy landscape and expand your network. We welcome active participants from all backgrounds with an interest in science policy, whether in the sciences, engineering, public policy and administration, business, communications, arts or something else entirely.

### Moderator



**Jeff Kinder**  
Executive Director, Science and Innovation, Institute on Governance

### Speakers



**Paul Dufour**  
Principal, Paucityworks



**Mehrdad Hariri**  
Chief Executive Officer, Canadian Science Policy Centre



**Rachael Maxwell**  
Manager of Public Affairs and Communications, Genome Canada



**Alice Raine**  
Director, Arrell Food Institute, University of Guelph



**Marc Saner**  
Full Professor and Chair, Department of Geography, Environment and Geomatics, University of Ottawa

## Symposium Agenda: Science Policy 101 Workshop

TIME	ACTIVITY
8:00AM	Welcome and ice-break exercise
8:30AM	Introduction to science policy
9:30AM	Thinking about opportunities in science policy
10:15AM	Health Break
10:30AM	Science Policy Art
10:45AM	Panel discussion on INGSA science policy workshops
11:15AM	Stakeholder identification exercise

11:45am – 1:00pm GOVERNOR GENERAL I, II, III

Lunch (For Symposium Registered Delegates Only)

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— Milica Radisic, Canada Research Chair Functional Cardiovascular Tissue Engineering

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**BOUNDLESS**

7:00am – 5:30pm NUNAVUT ROOM

### Registration and Information Desk

1:00pm – 2:15pm CONFEDERATION BALLROOM

### Opening Plenary: Leveraging data for science advice and rapid response to health emergencies

*Panel Organized by: Office of the Chief Science Advisor of Canada*

Emergencies are becoming increasingly frequent and complex, causing great damage to the economy, infrastructure and human lives. When facing these challenges, science and technology are used to respond, recover and prevent emergencies. From the critical, early moments following a crisis, to the recovery stage and mitigation planning, access to relevant scientific data is crucial to decision-makers and responders. This panel will explore how data have been used in health emergencies to inform science advice, as well as what needs to change to allow for faster and smarter use of data in emergencies.



### Moderator



**Mona Nemer**  
Chief Science Advisor of Canada

### Speakers



**Kamran Khan**  
Founder and CEO, Blue-Dot; Professor at the University of Toronto



**Yasmin Khan**  
Consultant Physician, Public Health Ontario; Emergency Physician, University Health Network; Assistant Professor, University of Toronto



**Rolf Heur**  
Chair of the European Commission's Group of Scientific Advisors



**Sir Patrick Vallance**  
Chief Science Adviser to the Government of UK

2:15pm – 2:30pm EXHIBITOR HALL

### Coffee Break

*Coffee, tea, water and juice will be available for CSPC participants, in addition to a variety of snacks. We encourage you to visit our exciting Exhibitors.*

2:30pm – 3:45pm GOVERNOR GENERAL II

### 314 - A Winning Formula for Building Regional Innovation Capacity: Skills, Research and Collaboration

#### THEME 3

*Panel Organized by: Colleges and Institutes Canada | National Alliance of Provincial Health Research Organizations*

Canada needs to balance its recent investments in skills and innovation to ensure they work together to build the research capacity and job skills needed today, and yet prepare us as a nation for the innovation challenges we will face tomorrow. This panel will present various approaches to building regional research and innovation capacity through collaborations between government programs, research funding agencies, industry associations and post-secondary education institutions. The audience will be engaged by facilitator-led small group discussions to shed light on the innovation capacity building challenges identified by the participants either in their community or sector of expertise.

### Moderator



**Jeffrey Crelinsten**  
CEO, Research Money Inc.

### Speakers



**Diane Burt**  
Associate Vice President, Research and Program Innovation, New Brunswick Community College



**Pamela Gray**  
Vice President of Project Development, BioTalent Canada



**Kevin Holmes**  
Managing Director, Social Innovation Lab, Algonquin College



**Christina Weise**  
Chief Executive Officer, Research Manitoba

### 2:30pm – 3:45pm GOVERNOR GENERAL III

#### 317 - Bridging the Gap: Timely Patient Access to Innovative Medicines in the Rare Disease and Disorder Space

##### THEME 3

Panel Organized by: Hoffmann-La Roche Ltd.

Rare diseases have a significant impact on individuals, their families and society, yet treatments are only available for approximately 200 rare diseases. The unmet need in rare diseases is a pressing concern that must be addressed. The lack of a Canadian Rare Disease Framework means drugs for rare diseases (DRDs) are subject to the same review, evaluation framework and evidence requirements as other drugs. Evaluating DRDs with the current review process and recommendation framework limits decision making.

This panel aims to explore how novel mechanisms and innovative constructs, effectively applied in other markets, may enable Canadian regulators and health technology assessment bodies to bridge the gap; overcoming systemic barriers and lengthy delays, in patients accessing life altering drugs for rare disease.

##### Moderator



**Bill Dempster**  
CEO, 3Sixty Public Affairs

##### Speakers



**Judith Glennie**  
President, J.L. Glennie Consulting Inc.



**Tania Stafinski**  
Co-Founder and Director, Health Technology and Policy Unit, School of Public Health at the University of Alberta



**Adrian Thorogood**  
Lawyer and Academic Associate, Centre of Genomics and Policy (CGP), McGill University



**Durhane Wong-Rieger**  
President and CEO, Canadian Organization for Rare Disorders

### 2:30pm – 3:45pm CONFEDERATION BALLROOM

#### 304 - Toward a Quantum Strategy for Canada

##### THEME 3

Panel Organized by: Christina Stachulak and Nicole Arbour, National Research Council Canada

This panel aims to explore Canada's current role in the global quantum ecosystem – touching on innovative skills development, current research excellence through investments in the Canada First Research Excellence Fund (CFREF) and Canada Excellence Research Fund (CERC) awards and investments into this innovation space. It will touch on developments that need to be considered in regulatory and policy development as well as the value of being part of setting global standards. The goal being to engage the audience and energize a discussion about Canada's role in the broader development of quantum technologies globally, building on existing leadership and research strengths in this space.

##### Moderator



**Geneviève Tanguay**  
VP-Emerging Technologies, National Research Council of Canada

##### Speakers



**David Cory**  
Professor & Canada Excellence Research Chair Laureate, Quantum Information Processing, Institute for Quantum Computing, University of Waterloo



**Aimee Gunther**  
Policy Officer, Defence Research and Development Canada



**Gail Murphy**  
Vice-President, Research and Innovation, University of British Columbia



**Christian Sarra-Bourne**  
Executive Director, Institut Quantique, Université de Sherbrooke



**Arman Zaribafyan**  
Head of Quantum Computing, IQbit

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2:30pm – 3:45pm ONTARIO

**103 - Bringing the social sciences into new policy spaces: solution-oriented case studies and dialogue**

**THEME 1**

Panel Organized by: Office of the Chief Scientist, Natural Resources Canada with the Institute of Environment, University of Ottawa

There is growing recognition that social science research has an important role to play in decision-making. However, bringing the social sciences into science-policy domains raises questions about interdisciplinarity, expertise, and the weights and types of evidence that inform decision-making.

The panel brings together perspectives from government agencies and academia to discuss case studies on bringing the social sciences into new policy spaces. Participants are invited to engage in dialogue to share tools and practices that have worked in their respective organizations, and to create greater networking opportunities for peer-to-peer learning.

**Moderator**



**Vik Pant**  
Chief Scientist & Chief Science Advisor,  
Natural Resources Canada

**Speakers**



**Elisabeth Gauthier**  
Research Director, Canadian Forest  
Service, Natural Resources Canada



**Chris McPhee**  
Innovation Management Specialist, Living  
Laboratories Initiative, Agriculture and  
Agri-Food Canada



**Brian Pentz**  
PhD Candidate, University of Toronto



**Nathan Young**  
Professor of Sociology, University of  
Ottawa



#CSPC2019



2:30pm – 3:45pm GOVERNOR GENERAL I

**112 - Risk, Uncertainty, and Nonsense – Engagement with the Public on Radiation, Nuclear, and Climate**

**THEME 1**

Panel Organized by: The Centre for the Study of Science and Innovation Policy (CSIP) | Johnson Shoyama Graduate School of Public Policy

How do perceptions of and the science surrounding radiation exposure impact policy surrounding cancer, Parkinson's, climate change, and energy justice? It is assumed that exposure to radiation can only be detrimental and the health risks resulting from exposures are linearly proportional to harm. However, low dose radiation health interventions such as X-rays and cancer treatments, and the daily exposure through activities such as flying, are examples of social acceptability on the spectrum of uncertainty, unknowns and nonsense. Certain perceptions are nonsense in relation to new research that challenges the current linear toxicity paradigm. This fun interactive collaborative session explores nonsense.

**Moderator**



**Margot Hurlbert**  
Tier 1, Canada Research Chair, Climate  
Change, Energy and Sustainability Policy,  
Centre for the Study of Science and  
Innovation Policy, Johnson-Shoyama  
Graduate School of Public Policy,  
University of Regina

**Speakers**



**Anne T. Ballantyne**  
Strategic Research Planning and Facilitation  
Officer, Office of the Vice-Dean Research,  
Scholarly and Artistic Work, College of Arts  
and Science, University of Saskatchewan



**Holly Laasko**  
Research Associate, Canadian Nuclear  
Laboratories



**Michaela Neetz**  
MPP Candidate, Johnson Shoyama Graduate  
School of Public Policy



**Bethany Penn**  
Strategic Research Officer, Centre for the  
Study of Science and Innovation Policy



**Larissa Shasko**  
MPP Candidate, Johnson Shoyama Graduate  
School of Public Policy

### 3:45pm – 4:15pm EXHIBITOR HALL

#### Coffee Break

Coffee, tea, water and juice will be available for CSPC participants, in addition to a variety of snacks. We encourage you to visit our exciting Exhibitors.

### 4:15pm – 5:30pm GOVERNOR GENERAL II

#### 309 - Ontario-First in the innovation economy: impacts of a \$1B public-private-partnership on Canadian healthcare commercialization

#### THEME 3

Panel Organized by: FACIT

FACIT, an Ontario business accelerator focused on oncology innovations, and its strategic partner, the Ontario Institute for Cancer Research (OICR), have laid the foundation for an innovation commercialization pathway through public-private-partnerships (PPPs). In early 2019, FACIT and one of its portfolio companies, Triphase Accelerator, announced a historic \$1B USD partnership with Celgene for an OICR-discovered blood cancer therapy. This transaction demonstrates the realization of a “discovered and developed” commercialization pathway created by Ontario partners over the last decade. The panel will discuss how this pathway came to fruition and illustrate the importance of PPPs to generate meaningful innovation outcomes.

#### Moderator



**Christine Williams**  
Deputy Director, Ontario Institute for Cancer Research

#### Speakers



**Rima Al-awar**  
Director and Senior Principal Investigator, Drug Discovery Program, Ontario Institute for Cancer Research



**Grant Gibson**  
Chief Financial Officer, Triphase Accelerator



**Kevin Leshuk**  
Vice President & General Manager, Celgene Canada



**David O'Neill**  
President, FACIT

### 4:15PM – 5:30PM ONTARIO

#### 408 - Personhood rights for water bodies: A fad or path to Sustainable Development Goals?

#### THEME 4

Panel Organized by: Nancy Goucher | University of Waterloo

This panel examines whether new legal tools can enhance protection of water bodies around the world and contribute to achieving the Clean Water and Sanitation Sustainable Development Goal. The discussion will draw on international and local case studies to examine their applicability in protecting water bodies such as Lake Erie, which faces numerous complex environmental issues. The panel will also discuss if and how these tools can strengthen the water science agenda in Canada to address problems such as curtailing ongoing pollution or launching restoration programs.

#### Moderator



**Nancy Goucher**  
Knowledge Mobilization Specialist, University of Waterloo's Water Institute

#### Speakers



**Caleb Z. Behn**  
Special Advisor-Water, Assembly of First Nations



**Lynda M Collins**  
Professor, Centre for Environmental Law & Global Sustainability, Faculty of Law, University of Ottawa



**Anastasia Lintner**  
Special Projects Counsel, Healthy Great Lakes, Canadian Environmental Law Association



**Peter Wood**  
National Campaign Manager, Environmental Rights, David Suzuki Foundation

### 4:15pm – 5:30pm GOVERNOR GENERAL III

#### 116 - How the sciences of human behaviour can help us put knowledge at the heart of policymaking

##### THEME 1

Panel Organized by: European Commission's Joint Research Centre

We understand the world through systematic observation. But to change it, issues and solutions must be identified and policies enacted. Advances in the behavioural sciences show that the idea of human decision-making as purely rational is inaccurate. Political targeting, disinformation, the rise of populism and polarisation make this issue more pressing than ever. During the debate, participants will discuss the evolving role of science and scientists in policymaking and exchange ideas about how the inclusion of values, emotions and social relations can allow evidence and reason to play their legitimate part in liberal democracies.



##### Moderator



**Kristiann Allen**  
Senior Investigator, Centre for Science in Policy, Diplomacy and Society (SciPoDS), University of Auckland

##### Speakers



**Elizabeth Hardy**  
Senior Lead, Behavioural Insights, Impact and Innovation Unit, Privy Council Office



**Nat Rabb**  
Researcher



**Laura Smillie**  
Project Leader of the European Commission's Enlightenment 2.0 research programme



**James Owen Weatherall**  
Professor of Logic and Philosophy of Science, University of California

### 4:15pm – 5:30pm CONFEDERATION BALLROOM

#### 123 - International Research Collaboration in a Polarized World

##### THEME 1

Panel Organized by: The University of Toronto, Office of the Vice-President, Research & Innovation

We are living in an increasingly connected world and, as Canadians, we pride ourselves on our global connections, diversity and openness. Breakthroughs in Canada depend on knowledge that is produced here and in global research centres. Announced in the 2018 Budget, the \$275M Tri-Council Research Fund has been set to support international, interdisciplinary and high-risk research. However, governments have also begun to scrutinize and regulate collaborations for potential risks in areas such as research integrity, data access and sharing, and IP. A keynote speaker and a panel will explore best practices and opportunities to build and continue international collaborations.

##### Moderator



**Vivek Goel**  
Vice-President, Research and Innovation, and Strategic Initiatives, University of Toronto; Professor in the Institute of Health Policy, Management and Evaluation, Dalla Lana School of Public Health

##### Speakers



**Chad Gaffield**  
President, The Royal Society of Canada



**Lissa Matyas**  
Vice-President of International Partnerships, Mitacs



**Adam Segal**  
Ira A. Lipman chair in emerging technologies and national security and director of the Digital and Cyberspace Policy Program, Council on Foreign Relations



**Kimberly Skead**  
University of Toronto, Doctoral Student, Department of Molecular Genetics

### 4:15pm – 5:30pm GOVERNOR GENERAL I

#### Meet the Executives - An Interactive Session for Early Career Professionals

Panel Organized by: The Canadian Science Policy Centre (CSPC)

This session is designed for early career professionals to have the chance to meet with a few executives at government and academic sectors for an interactive Question and Answer Session. In this session, each group has 10 minutes to ask questions of each leader.



### 5:30pm – 6:30pm FOYER & EXHIBITOR HALL

#### Reception – Hosted by UK Research and Innovation North America



Please join UKRI for a reception celebrating international collaboration from 17:30-18:30 on November 13th, 2019 at the Westin Ottawa

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### 6:30pm – 7:30pm CONFEDERATION BALLROOM

#### 137 - Keynote Session: Not a palaver! How can interdisciplinary, intersectoral and international collaboration be successful?

##### THEME 1

Panel Organized by: UK Research and Innovation North America

Increasingly, complex research problems are not solved by single disciplines and research at the frontiers of disciplines can be transformative. Bridging another gap – that which can exist between research and innovation – is the next necessary transformation but can be a difficult process. As public funders we have a responsibility to help these transformative outcomes flourish by fostering collaboration not only at disciplinary interfaces, but between sectors and where there is mutual benefit between nations.

In the 21st century research is firmly accepted as a global enterprise, with increasingly interdisciplinary underlying questions, and solutions requiring cross-sector collaboration. With so many actors involved, how do we handle the complexity and mitigate the potential for confusion?

This panel will explore how funders, business and academia can work together to develop shared languages, clear objectives and simplified structures. We will explore how national strategies for research and innovation can shape collaboration, how structural changes can help organisations achieve their ambitions, identify challenges and solutions for working across disciplines, sectors and nations, and give examples of how this plays out in practice.

#### Moderator



**Jean Lebel**  
President, International Development Research Centre

#### Speakers



**Joy Johnson**  
Vice-President Research and International, and Professor Health Sciences, Simon Fraser University



**Ted Hewitt**  
President, Social Science and Humanities Research Council of Canada; Chair of the Canada Research Coordinating Committee



**John Laughlin**  
Chief Technology Officer, Next Generation Manufacturing Canada (NGen)



**Melanie Welham**  
Executive Chair, UKRI Biotechnology and Biological Sciences Research Council

### 7:30PM – 9:00PM

#### Science Social

#### Metropolitan Brasserie Restaurant (700 Sussex Dr, Ottawa)

Finish off the first day of the Conference in a casual and relaxing ambiance, chatting with delegates. Appetizers to be served.



7:00am – 5:00pm NUNAVUT ROOM

### Registration and Information Desk

7:45am – 8:25am CONFEDERATION BALLROOM

### Breakfast Session - DATA FOR IMPACT: How trusted partners can advance Canada's digital transformation

Panel Organized by: Simon Fraser University

Exchanging data and knowledge between government and non-government organizations has huge potential value. But hard conversations around data security, trust, privacy, and measuring the value derived from the exchange are greatly needed.

How do federal departments navigate the complex issues around data sharing in order to maximize the social and economic benefits? What strategies work to create conditions for such partnerships to succeed?

This panel will discuss how Simon Fraser University brings together government, industry and communities to share and mobilize data responsibly to address the country's most pressing social issues, and help position Canada as an innovation leader.

### Moderator



**Joy Johnson**  
Vice-President Research and International, and Professor Social Sciences, Simon Fraser University

### Speakers



**Anil Arora**  
Chief Statistician of Canada



**Len Garis**  
Adjunct Professor in the School of Criminology and Criminal Justice & Associate to the Centre for Social Research at the University of the Fraser Valley



**Luba Petersen**  
Associate Professor of Economics, Simon Fraser University



**Carolyn Watters**  
Vice-President and Chief Digital Research Officer, National Research Council of Canada

8:30am – 9:50am  
CONFEDERATION BALLROOM

### Plenary - Global Relationships in an Innovation Economy: Capitalizing on Canada's Strengths in Collaboration and Partnership

Panel Organized by: Ryerson University, Office of Vice President Research and Innovation

Speakers to be announced.

9:50am – 10:30am EXHIBITOR HALL

### Coffee Break

Coffee, tea, water and juice will be available for CSPC participants, in addition to a variety of snacks. We encourage you to visit our exciting Exhibitors.

10:30am – 11:50am GOVERNOR GENERAL II

### 404 - Research without borders: funding agency case studies on international collaboration

#### THEME 4

Panel Organized by: UK Research and Innovation

As stated in Canada's 2017 Naylor report, "research is a global enterprise". International collaboration not only allows the best to work with best, but also access to unique environments and facilities, and permits research to be conducted at scale. This panel will address the issue of how funders contribute to the internationalisation efforts of their national research systems, from the unique perspective of speakers who have spent time based in a partner country in order to support their agency's global engagement. The panel will illustrate their points with case studies and share information on collaborative opportunities for the research community.

### Speakers



**Jennifer E. Decker**  
Executive Advisor to Chief Digital Research Officer, National Research Council of Canada



**Monica Gattinger**  
Full Professor, School of Political Studies, Director, Institute for Science, Society and Policy, University of Ottawa



**Rainer Grulich**  
Director, North America Office, German Research Foundation



**Claire A. Hemingway**  
Program Officer, Office of International Science and Engineering, National Science Foundation



**Jean-Christian Lemay**  
Scientist in residence, Québec Government Office in London



**Chloë Somers**  
Director, UKRI North America

10:30am – 11:50am ONTARIO

**106 - The PROMISE OF SCIENCE and Its Implications for Science Policy: Perspectives of Canada's STI Community**

**THEME 1**

Panel Organized by: Amy Lemay, VISTA Science & Technology Inc. | Rob Annan, Genome Canada

The increasing expectations for science to provide the solutions for a variety of socio-economic challenges is a testament to our belief in the PROMISE OF SCIENCE. Yet, few in the science and innovation community are aware of the power of the PROMISE OF SCIENCE in shaping policy decisions and outcomes.

Join this unique interactive OPEN FISHBOWL panel, where the audience are the speakers, as we critically reflect on and discuss the power of the PROMISE OF SCIENCE and its implications for science policy. Collectively, we will recommend potential policy actions for managing the PROMISE OF SCIENCE in science policy.



**Moderator**



**Amy Lemay**  
Independent Science Advisor, Vista Science & Technology

**Speakers**



**Rob Annan**  
VP Public Affairs and Communications, Genome Canada



**Alice Cohen**  
Associate Professor, Department of Earth & Environmental Science, Acadia University



**Sally Greenwood**  
Vice President, Communications and Societal Engagement, Genome BC



**Ivan Semeniuk**  
Science Journalist, Globe & Mail

10:30am – 11:50am GOVERNOR GENERAL III

**213 - Artificial Intelligence (AI) – How interdisciplinary AI contributes to resilient and just societies**

**THEME 2**

Panel Organized by: Social Sciences and Humanities Research Council of Canada | UK Research and Innovation – Economic and Social Research Council

The broader societal, cultural and economic implications of AI are multifaceted and not confined to national boundaries. Canada's and the United Kingdom's AI strategies recognize the importance of these implications and strive to support their full inclusion in the design and development of AI tools and technologies. Organized by SSHRC and UKRI-ESRC, this panel represents key stakeholders from Canada and the UK and aims to discuss key questions with regard to the societal, cultural and economic implications of AI and explore research and interdisciplinary approaches in this space.

**Moderator**



**Paul Nightingale**  
Director of Strategy and Operations, Economic and Social Research Council, UK Research and Innovation

**Speakers**



**Rebecca Finlay**  
Vice-President, Engagement & Public Policy, The Canadian Institute for Advanced Research



**Christine Foster**  
Managing Director for Innovation, The Alan Turing Institute



**Allison Gardner**  
Lecturer in Bioinformatics, Keele University; Co-founder of 'Women Leading In AI'



**Jason Millar**  
Canadian Research Chair in Ethical Engineering of Robotics and Artificial Intelligence, Faculty of Engineering's School of Electrical Engineering and Computer Science, University of Ottawa

10:30am – 11:50am GOVERNOR GENERAL I

**207 - Harnessing the power of the crowd: innovative solutions to engaging communities in research**

**THEME 2**

Panel Organized by: *The Fathom Fund*

This panel argues that bridging the divide between science and the public creates considerable benefit not just to end users, but to science itself. But how can that engagement be achieved in meaningful, useful and innovative ways? This international panel of award-winning practitioners will discuss the use of crowdsourcing to engage the public, exploring innovative ways that crowd involvement can positively influence scientific research. We focus on two types of crowdsourcing: tapping into the crowd for ideas and project development, and using crowdfunding to finance part or all of a project's cost.

**Moderator**



**Stefan Leslie**  
Chief Executive Officer, Research Nova Scotia

**Speakers**



**Bayleigh Murray**  
Researcher, Experiment.com



**Andrew Pelling**  
Professor, University of Ottawa



**Henry Sauermann**  
Director, Institute for Endowment Management and Entrepreneurial Finance

2mm

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10:30am – 11:50am CONFEDERATION BALLROOM

**203 - The Public Record: Enabling scientists to be honest brokers of evidence & information in an age of popular misinformation**

**THEME 2**

Panel Organized by: *Office of the Chief Scientist, Alberta Environment and Parks*

In a time when we have instantly available, yet mostly non-adjudicated, information at our fingertips how are scientists being seen and heard by the public? Does the scientific community enable scientists to be seen & heard? Do we need more, less or difference ways of supporting scientific information in public discourse?

This interactive panel will give participants a change through round table discussions to directly engage in conversation with panelists across the country who hold positions as trusted scientific advisors. Dialogue will focus on supports needed to encourage greater engagement of scientists in public discourse on relevant societal issues.

**Moderator**



**Katie Gibbs**  
Co-founder and Executive Director, Evidence for Democracy

**Speakers**



**Nancy Hamzawi**  
Assistant Deputy Minister, Science & Technology, Environment and Climate Change Canada



**Aynsle Ogden**  
Senior Science Advisor, Executive Council Office, Government of Yukon



**Rémi Quirion**  
Chief Scientist of Quebec



**Frederick Wrona**  
Chief Scientist, Alberta Environment and Parks, Government of Alberta

11:50pm – 1:30pm CONFEDERATION BALLROOM

**Luncheon Session – A Conversation with Dr. Mona Nemer, Canada's Chief Science Advisor**

Join us for a one-on-one conversation with Canada's Chief Science Advisor, on her engagements in the past year and her plans for the next year.



**Mona Nemer**  
Chief Science Advisor of Canada

### 1:30 PM - 2:50 PM - BACK TO BACK PANELS - CONFEDERATION BALLROOM

#### 1:30pm - 2:10pm CONFEDERATION BALLROOM

**306 - Whose Facts actually Matter? How to Truly Embrace Inclusiveness in Science, Innovation and Policy (40 min)**

#### THEME 3

Panel Organized by: *Dr. Marisa Beck, Institute for Science, Society and Policy, University of Ottawa*

Terms like traditional knowledge, co-production, and inclusive innovation have become buzzwords in science policy circles. But focus is more on 'the what' of these terms than 'the how'. What progress has been made toward truly embracing different ways of knowing, and different views, values and experiences in knowledge production, technological innovation, and public policymaking? This panel will discuss leading experiences and examples in the 'how' of inclusion. We will identify practical recommendations on how to turn terms like inclusive innovation, co-production and the interweaving of traditional knowledge and Western science from aspirations into common practice.

#### Moderator



#### Monica Gattinger

Full Professor, School of Political Studies, Director, Institute for Science, Society and Policy, University of Ottawa

#### Speakers



#### Brenda Kenny

Board Chair, Alberta Innovates



#### Jeff Kinder

Executive Director, Science and Innovation, Institute on Governance



#### Angel Ransom

Director of Operations, The First Nations Major Projects Coalition

#### 2:10pm - 2:50pm CONFEDERATION BALLROOM

**504 - From the perspective of a new generation of indigenous professionals, what would an inclusive Innovation Agenda look like? (40 min)**

#### THEME 5

Panel Organized by: *Digital Mi'kmaq | Marni Fullerton and Chris Googoo*

This panel discussion will provide new insights on how to expand the number of young Indigenous professionals participating in the Innovation Agenda in Canada today.

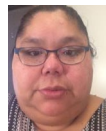
#### Moderator



#### Marni Fullerton

Director, Digital Mi'kmaq

#### Speakers



#### Stephenie Bernard

Member, Treaty Education Committee, Nova Scotia



#### Chris Googoo

Chief Operating Officer of Ulnooweg, and Director of Digital Mi'kmaq



#### Aaron Prosper

President, Dalhousie Student Union



#### Tyler Sack

Group Product Manager, Orenda Software Solutions



#### Evan Syliboy

Member of the Millbrook First Nation

### 1:30 PM - 2:50 PM - BACK TO BACK PANELS - GOVERNOR GENERAL III

#### 1:30pm - 2:10pm GOVERNOR GENERAL III

**134 - Precision Policy - Advances in Big Data Analytics and Government Policy (40 min)**

#### THEME 1

Panel Organized by: *Simon Fraser University*

Big data is changing the way information is collected, organized, processed and stored. These changes have presented great opportunities for economic growth, productivity, innovation, and governments are beginning to embrace big data.

Like precision medicine, we can achieve precision policy. We have the potential to develop policies based on what was previously unimaginable accuracy and to visualize the impact before implementation. This panel will explore the possibilities and demonstrate the steps needed to create an environment where we treat research data as a tool for public good and where governance, privacy and security concerns can be overcome.

#### Moderator



#### Dugan O'Neil

Associate Vice-President, Research, Simon Fraser University

#### Speakers



#### Lynn Barr-Telford

Assistant Chief Statistician, Social, Health and Labour Statistics, Statistics Canada



#### Ruby Mendenhall

Associate Professor of Sociology, African American Studies, Urban and Regional Planning, Gender and Women's Studies and Social Work, University of Illinois



#### Julian Myles Somers

Professor, Faculty of Health Sciences, Simon Fraser University

#### 2:10pm - 2:50pm GOVERNOR GENERAL III

**102 - Policy Lessons in the Age of Technological Disruption (40 min)**

#### THEME 1

Panel Organized by: *Dr. Tina McDivitt, Spindle Strategy Corp.*

Thomas Friedman in his book "Thank You for Being Late: An Optimist's Guide to Thriving in the Age of Acceleration", notes that the planet's three largest forces Moore's law (technology), the Market (globalization), and Mother Nature (climate change and biodiversity loss) are all accelerating at once. These accelerations are transforming our entire world across the dimensions of work, politics, geopolitics, ethics, and community. The critical question that we will address is whether Canada's policies and models as related to technology development, regulation and public education will help us to successfully navigate this new 21st century landscape.

#### Moderator



#### Tina McDivitt

President, Spindle Strategy Corp.

#### Speakers



#### Saadia Muzaffar

Founder, TechGirls Canada



#### Mark Poznansky

Senior Advisor, Spindle Strategy Corp



#### Christina Tessier

President & CEO, Ingenium - Canada's Museums of Science and Innovation

### 1:30 PM - 2:50PM - BACK TO BACK PANELS - ONTARIO

#### 1:30pm - 2:10pm ONTARIO

#### 211 - Convergence science and tackling grand challenges

##### THEME 2

Panel Organized by: Julie Greene, Privy Council Office | Christina Stachulak, National Research Canada

How is the Government of Canada helping to address complex public policy challenges, and what is the role for outcomes-based approaches in incentivizing partnerships? This panel will touch on horizontal mechanisms to address some of the most pressing problems addressing Canadians - from using data and drug checking technologies to stop death by opioid overdose to bringing clean technologies to market.

Using Challenge Prizes, backed by data and science, linked to entrepreneurship and building new markets for Canadian products that can help solve global problems - are concrete examples of how the Government is converging to tackle today's "wicked problems".

##### Moderator



**Julie Greene**  
Lead, Partnerships, Impact and Innovation Unit, Privy Council Office

##### Speakers



**Julie Angus**  
CEO and Co-Founder, Open Ocean Robotics



**Shahab Shahnazari**  
Director, Innovation Challenges, MaRS Partnerships



**Roman Szumski**  
Vice-President, Life Sciences, National Research Council

#### 2:10pm - 2:50pm ONTARIO

#### 217 - Moving from Place to Purpose: Science Centres, Social Impact, and UN SDGs

##### THEME 2

Panel Organized by: Marianne Mader, Canadian Association of Science Centres

The UN Sustainable Development Goals (SDG) are expansive and can be difficult for people to personally relate to, both in terms of lived experience and how they as individuals can make a difference. Essential to moving from awareness to action is public accessibility to the science and inclusive dialogue. Science centres and museums play a critical role in this effort. The panel will address lessons learned from current SDG public engagement programs, reflection on how to improve interventions going forward, and ideas for a holistic informal science learning strategy and policies that could promote collaboration and partnerships.

##### Moderator



**Marianne Mader**  
Executive Director, Canadian Association of Science Centres

##### Speakers



**Tracey Calogheros**  
CEO, Exploration Place Museum + Science Centre



**Eleanor Haine-Bennett**  
Program Office for Natural Sciences, Canadian Commission for UNESCO



**Tanya Woods**  
CEO & Chief Impact Office, Kind Village Inc.

### 1:30 PM - 2:50PM - BACK TO BACK PANELS - GOVERNOR GENERAL I

#### 1:30pm - 2:10pm GOVERNOR GENERAL I

#### 518 - The Role of the Next Generation in Science Diplomacy

##### THEME 5

Panel Organized by: Fonds de recherche du Québec

The future of science diplomacy - the use of international scientific collaborations to solve common problems and build mutually beneficial partnerships - lies in the hands of the next generation as they will be the ones undertaking most of its activities in the coming century. Hence, and following the Comité intersectoriel étudiant (CIE)'s recommendation, the Fonds de recherche du Québec (FRQ) launched a pilot fellowship program consisting of a "residency" within the network of Québec government offices abroad and within international organizations. The panel will highlight the next generation's involvement in science diplomacy in Canada based on concrete examples and informed perspectives of actors in the field.

##### Moderator



**Jean-Christophe Bélisle-Pipon**  
PhD, President of the CIÉ; Postdoctoral Fellow, Harvard Law School

##### Speakers



**Patricia Gruver-Barr**  
Research & Innovation Attaché, Quebec Government Office in Boston



**Jean-Christian Lemay**  
Scientist in residence, Quebec Government Office in London



**Rémi Quirion**  
Chief Scientist of Quebec

#### 2:10pm - 2:50pm GOVERNOR GENERAL I

#### 209 - Creating SciComm: An interactive session connecting scientists, policy makers and the public

##### THEME 2

Panel Organized by: Julia Krolik, Pixels and Plans | Art the Science

With growing divides in public and scientific opinion on controversial science policy issues like data privacy, vaccinations, and climate change, there has never been a more pressing time to improve how we communicate science. Join this session and take a step toward achieving this goal. In this interactive panel, we will offer a hands-on approach to communicating science through visual, participatory methods. Attendees will use a creative approach to engage with four themes chosen by the public in advance of the session. The aim is to build stronger connections among scientists, policy makers, and the public whom their work affects.

##### Moderator



**Julia Krolik**  
Founder, Pixels and Plans | Art the Science

##### Speakers



**Alice Fleerackers**  
Researcher, Scholarly Communications Lab



**Cat Lau**  
Program Evaluation Officer (ATS) / Knowledge Translation Coordinator, CHILD-BRIGHT Network



**Dorina Simeonov**  
Policy and Knowledge Mobilization Manager, AGE-WELL

### 1:30pm – 2:50pm GOVERNOR GENERAL II

#### 308 - AI as an Enabler of Innovative Competitiveness

##### THEME 3

Panel Organized by: Christina Stachulak and Nicole Arbour, National Research Council Canada

This panel examines the development/evolution of Artificial Intelligence and the opportunities and challenges to bring novel products to society and markets. Presentations will focus on case studies for the application of AI assisted design, in the context of industry 4.0 and global grand challenges. It will also look at the challenges and opportunities of bringing AI to market in a responsible way, using the strong Canada-UK bilateral relationship in AI as an example of an open dialogue on the policy and regulatory frameworks relevant to bringing AI products to market.



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##### Moderator



**Carolyn Watters**  
Vice-President and Chief Digital Research Officer, National Research Council of Canada

##### Speakers



**Miroslava Cuperlovic-Culf**  
Senior Research Officer and Team Leader, National Research Council of Canada



**Sebastian Hadjiantoniou**  
Co-Founder and CEO, Incubers



**Ted Hewitt**  
President, Social Science and Humanities Research Council of Canada; Chair of the Canada Research Coordinating Committee



**Rab (Robin) Scott**  
Professor of Industrial Digitalisation; Head of Digital at the AMRC, University of Sheffield's Advanced Manufacturing Research Centre

### 2:50pm – 3:30pm EXHIBITOR HALL

##### Coffee Break

Coffee, tea, water and juice will be available for CSPC participants, in addition to a variety of snacks. We encourage you to visit our exciting Exhibitors.

### 3:30pm – 4:50pm GOVERNOR GENERAL II

#### 403 - Science Diplomacy in a Changing Arctic

##### THEME 4

Panel Organized by: Dr. Urs Obrist, Senior Science and Technology Counsellor, Embassy of Switzerland in Canada

This panel sets out to discuss key scientific activities of the United Kingdom, Switzerland, the United States, France, and Norway in the Arctic region. It will delineate current bilateral scientific co-operations with Canada and within the multilateral Arctic Council framework. It aims to elucidate and discuss the role of science diplomacy for Arctic research and its relevance in the context of climate change. Possibilities of further cooperation may be evaluated and funding questions addressed.



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##### Moderator



**David J. Scott**  
President and CEO, Polar Knowledge Canada

##### Speakers



**Xavier Grosmaître**  
Science and Higher Education Attaché, Embassy of France



**Robert Kadas**  
Deputy Director, Nordic and Polar Relations, Global Affairs Canada



**Urs Obrist**  
Senior Science and Technology Counsellor, Embassy of Switzerland in Canada



**Anne Kari Ovind**  
Ambassador of Norway to Canada



**Hwasue Sung**  
Political and Environment Officer, Embassy of South Korea in Canada



**Robert Tibbetts**  
Economic Officer, Embassy of the United States

3:30pm – 4:50pm ONTARIO

**135 - Artificial Intelligence and Natural Resources Management**

**THEME 1**

*Panel Organized by: Queen's University*

Proper management of Canada's renewable and non-renewable natural resources – including land, air, water, and diversity of plants and animals – is critical to maintaining our quality of life. To do so effectively, we must employ new tools to monitor, model, and manage these resources. What role will artificial intelligence play in scientific decision-making leading to thoughtful policy? Can AI accelerate solutions to climate change, sustainable development and conservation efforts while minimizing damage and costs of exploration and exploitation? What are the barriers to using AI to support responsible and safe economic development - and protection - of Canada's natural resources?



**Moderator**



**Warren Mabee**  
Associate Dean and Director of the School of Policy Studies, Queen's University

**Speakers**



**Joshua Marshall**  
Associate Professor and Interim Director, Ingenuity Labs, Queen's University



**Vik Pant**  
Chief Scientist & Chief Science Advisor, Natural Resources Canada



**Bruce Ringrose**  
Head of Sustainability and Stakeholder Relations, Farmers Edge Inc.



**Elissa Strome**  
AVP Research and Executive Director, Pan-Canadian AI Strategy, The Canadian Institute for Advanced Research

3:30pm – 4:50pm GOVERNOR GENERAL III

**118 - Evidence in Practice: How do Decision-Makers Obtain and Use Information?**

**THEME 1**

*Panel Organized by: Kimberly Girling, Evidence for Democracy*

The Government of Canada emphasizes the importance of evidence-informed decision-making. How does evidence feed in to government decisions in practice? When decision-makers need information, where do they get it? Who informs their decisions? How do they weigh information from different sources? What kinds of data can they take into account and why?

Panelists will discuss results from three new studies investigating how evidence is gathered and used by decision-makers, based on one-on-one interviews with Members of Parliament, public servants, and the US Senate. A former MP will also share firsthand experience. The panel will aim to demystify the process of evidence-informed decision-making and examine how the process differs across sectors, countries and contexts. Panelists will also discuss what could be improved in the cycle and provide solutions for how experts can better engage in the process.

**Moderator**



**Preston Manning**  
Founder, Manning Foundation for Democratic Education; Manning Centre for Building Democracy

**Speakers**



**Karen Akerlof**  
Assistant Professor, Department of Environmental Science and Policy, George Mason University



**Kimberly Girling**  
Research and Policy Director, Evidence for Democracy



**Ted Hsu**  
Former Member of Parliament



**Briony M. Lalor**  
Co-founder/Director, Nature Hudson

3:30pm – 4:50pm CONFEDERATION BALLROOM

### 126 - The Influence of Indigenous Knowledge on Policy and Practice

#### THEME 1

Panel Organized by: *Genome BC | Federation for the Humanities and Social Sciences*

Indigenous knowledge can have a large and meaningful impact on policy making, both at the societal level through public policy, as well as through the practices of organizations and individuals that interact with Indigenous populations.

In this session, panelists drawn from industry, academia, and the not-for-profit sectors will describe their experiences working with policy makers, or as policy makers themselves, to incorporate Indigenous knowledge into how organizations and individuals make decisions. Panelists and participants will discuss challenges, opportunities and successes in modifying policies and practices to accommodate Indigenous perspectives and address Indigenous concerns, especially when examining scientifically-based questions and technologies.

#### Moderator



**Kim TallBear**  
Associate Professor, Faculty of Native Studies, University of Alberta; Canada Research Chair in Indigenous Peoples, Technoscience & Environment

#### Speakers



**Gary Q Bull**  
Professor and Head of Forest Resources Management Department, University of British Columbia



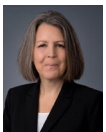
**Nadine Caron**  
Associate Professor, UBC Northern Medical Program; Co-Director, UBC Centre for Excellence in Indigenous Health



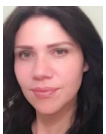
**Stephen F. Cross**  
Director of Applied Research Chair at Conestoga College Institute of Technology & Advanced Learning; Associate Professor at the University of Victoria; Adjunct Professor in Vancouver Island University's Department of Fisheries and Aquaculture



**Pitseolak Pfeifer**  
Community Engagement Advisor & Owner, Inuit Solutions



**Manon Tremblay**  
Director, Indigenous Research, Social Sciences and Humanities Research Council of Canada



**Vanessa Watts**  
Academic Director, Indigenous Studies Program, McMaster University

3:30pm – 4:50pm GOVERNOR GENERAL I

### 222 - Making Science Communication Happen – moving from good intentions to getting the job done

#### THEME 2

Panel Organized by: *Sean Young-Steinberg, NIVA Inc.*

While most science and technology-based organizations have a strong desire or obligation to mobilize knowledge for decision makers, stakeholders, and the public, many of them lack the tools, training, or internal resources to do so effectively. In 2019, it is one thing to say that science communication is a priority, and another to make a genuine commitment to developing clear, understandable, and relevant communication products that will connect with your target audiences. Anton Holland has 30 years of experience in helping clients transform complex scientific and technical information into powerful communications. In this mini workshop, he will share some important concepts, best practices, lessons learned, and case studies that will inspire you to finally move forward with delivering messages and narratives that will engage, inform, and motivate action.

#### Speakers



**Thomas Davis**  
Manager within the Science Policy Branch (Strategic Policy), Science and Research Sector, Innovation, Science and Economic Development Canada

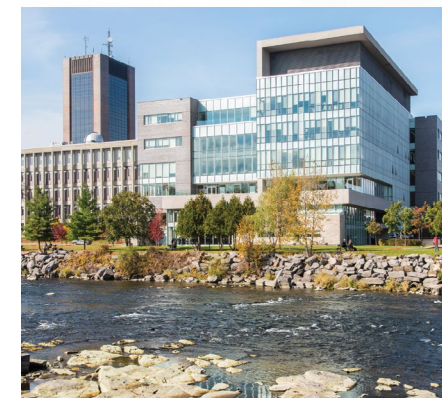


**Anton Holland**  
President and CEO, NIVA Inc.

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For delegates who have previously RSVPed for the CSPC Gala Dinner, please join us on Thursday, November 14th, 2019 at the Shaw Centre, 55 Colonel By Drive.

TIME	EVENT
5:30PM TO 6:30PM	Reception (Rideau Canal Atrium South + Centre)
6:30 PM TO 9:00 PM	Dinner (Trillium Ballroom)
9:00PM	Post-Gala Reception (Rideau Canal Atrium South + Centre)

## OPENING REMARKS



**Mehrdad Hariri**  
CEO and President  
Canadian Science  
Policy Centre

## MODERATOR



**Janet E. Halliwell**  
Chair, Board  
of Directors  
Canadian Science  
Policy Centre

## KEYNOTE SESSION:



**Her Excellency the  
Right Honourable  
Julie Payette**  
Governor General and  
Commander-in-Chief  
of Canada



**Dr. Donna Strickland**  
Professor, University  
of Waterloo, Nobel  
Laureate in Physics  
2018

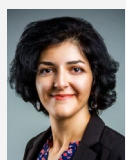
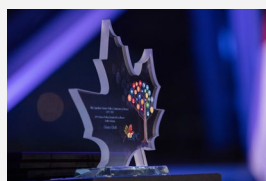


**Dr. Avery E. Broderick**  
Delaney Family John A Wheeler Chair in Theoretical Physics  
Perimeter Institute for Theoretical Physics,  
Associate Professor of Physics and Astronomy  
University of Waterloo

## 5<sup>TH</sup> SCIENCE POLICY AWARDS OF EXCELLENCE - YOUTH CATEGORY



**Winner: Emily De Sousa**  
Policy Paper Title: *Eliminating Seafood  
Fraud: A Fishy Approach to Food Policy*



**Runner up: Mahzad Sharifahmadia**  
Policy Paper Title: *Scientist entrepreneur  
- the engines of economic growth*



**Runner up: Sabrina Bedjera**  
Policy Paper Title: *A holistic approach  
to measuring drinking water success in  
Indigenous communities*

## 1<sup>ST</sup> CSPC AWARD FOR EXCEPTIONAL CONTRIBUTION TO SCIENCE POLICY

To be announced live

# BEYOND Perspective

CHRISTINE MUSCHIK  
ASSISTANT PROFESSOR, PHYSICS AND ASTRONOMY, INSTITUTE FOR QUANTUM COMPUTING  
2019 ALFRED P. SLOAN RESEARCH FELLOW IN PHYSICS

**Can emerging quantum technologies revolutionize our understanding and control of matter?**

Christine Muschik is taking a quantum perspective on high-energy physics to answer some of science's most elusive questions.

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7:00am – 3:00pm Nunavut Room

### Registration and Information Desk

7:45am - 8:25am CONFEDERATION BALLROOM

**Breakfast Session:** Building Collaborative Opportunities with Federal Science

*Organized by: Public Services and Procurement Canada*

Science is evolving rapidly and is increasingly multi-disciplinary and collaborative, leveraging capacity from across the S&T ecosystem. Canada continues to take steps to strengthen science collaboration. The panel will discuss initiatives to support science outcomes by facilitating collaboration within the federal government, and with key external partners such as universities, other government research organizations and additional stakeholders. The intent is to share experiences related to diverse collaborative approaches that enhance science excellence and enables scientists to advance the important work that they do.

### Speakers



**Janet King**  
Associate Deputy Minister, Public Services and Procurement Canada



**Kate Moran**  
President and CEO, Ocean Networks Canada



**Iain Stewart**  
President, National Research Council

8:30am – 9:50am CONFEDERATION BALLROOM

### 138 - The Future of Research Excellence: A Conversation with Canada's Granting Agencies

#### THEME 1

*Panel Organized by: Canada Foundation for Innovation | Canadian Institutes of Health Research | The Canada Research Coordinating Committee Secretariat | Natural Sciences and Engineering Research Council of Canada | Social Sciences and Humanities Research Council of Canada*

The concept of research excellence is dynamic. It evolves with society, technology, resources and research itself. It is fundamental to Canada's granting agencies who engage continuously, in conversation with their research communities, in determining what excellence is, how to recognize it and how to inspire it.

On the Canada Research Coordinating Committee and within their communities, the agencies are exploring how best to recognize internationalization and interdisciplinarity; equity, diversity and inclusion; Indigenous knowledge and ethics; and a broader range of activities and outputs as elements of research excellence.

Join the agencies' senior executives in discussing the future of research excellence.

### Moderator



**Liette Vasseur**  
UNESCO Chair, Community Sustainability: from Local to Global; Professor, Department of Biological Sciences and the Women and Gender Program, Brock University

### Speakers



**Alejandro Adem**  
President, Natural Sciences and Engineering Research Council



**Tammy Clifford**  
Vice-President, Research Programs, Canadian Institutes of Health Research



**Ted Hewitt**  
President, Social Science and Humanities Research Council of Canada; Chair of the Canada Research Coordinating Committee



**Roseann O'Reilly Runte**  
President and CEO, Canada Foundation for Innovation

9:50am – 10:30am EXHIBITOR HALL

### Coffee Break

Coffee, tea, water and juice will be available for CSPC participants, in addition to a variety of snacks. We encourage you to visit our exciting Exhibitors.



As signatories of the **San Francisco Declaration on Research Assessment (DORA)**, we reaffirm our commitment to meaningful assessment of excellence in research funding.



À titre de signataires de la **Déclaration de San Francisco sur l'évaluation de la recherche (DORA)**, nous réaffirmons notre engagement à l'égard d'une évaluation rigoureuse de l'excellence dans le financement de la recherche.

### 10:30AM - 11:50AM - BACK TO BACK PANELS - GOVERNOR GENERAL 1

#### 10:30am - 11:10am GOVERNOR GENERAL I

#### 305 - Open Science is transforming the research landscape

##### THEME 3

Panel Organized by: *Damien Chalaud, The Neuro (Montreal Neurological Institute & Hospital)*

Open Science is fundamentally changing the way we do science. It is disrupting the entire “business cycle” to become more open, inclusive and interdisciplinary. These trends are irreversible, and have grown beyond individual projects and across research disciplines worldwide.

Using The Neuro and the Structural Genomics Consortium as case studies, this panel will explore the methodologies, infrastructure for collaboration and governance used, and the resulting outcomes and benefits. Panel members will also explain how Open Science spurs innovation and creates economic benefits.



##### Moderator



**André Picard**  
Health Columnist, The Globe and Mail

##### Speakers



**Alan Bernstein**  
President and Chief Executive Officer, The Canadian Institute for Advanced Research



**Aled Edwards**  
Chief Executive Officer, Structural Genomics Consortium



**Inez Jabalpurwala**  
President and Chief Executive Officer, Brain Canada Foundation



**Viviane Poupon**  
Director, Scientific Development and Partnerships, Neuro - the Montreal Neurological Institute and Hospital, McGill University

### 10:30AM - 11:50AM - BACK TO BACK PANELS - GOVERNOR GENERAL 1

#### 11:10am - 11:50am GOVERNOR GENERAL I

#### 215 - Eating right, living better: Building healthier food systems worldwide

##### THEME 2

Panel Organized by: *Christel Binnie, International Development Research Centre (IDRC)*

Over the past five decades, global food systems and human diets have changed substantially. The food people eat—and the policies, economies, and natural ecosystems necessary to sustain these diets—profoundly impact the health and sustainability of communities worldwide.

Join our expert panel for a discussion about the bold and innovative actions that are improving health, preventing chronic disease, and ultimately promoting human development and environmental wellbeing. From improved food marketing regulations and better labeling policies for prepackaged foods, to community mobilization of farmers, schools, and grassroots organizations, policymakers are drawing on evidence-backed development research to make concrete progress.

##### Moderator



**Greg Hallen**  
Program Leader, Food, Environment and Health, International Development Research Centre

##### Speakers



**Mary L'Abbé**  
Professor, Department of Nutritional Sciences, Faculty of Medicine, University of Toronto



**Jean-Claude Moubarac**  
Assistant Professor at the Department of Nutrition, Université de Montréal



**Marcela Reyes**  
Assistant professor at the Institute of Nutrition and Food Technology, University of Chile



**Alafia Samuels**  
Director of the Chronic Disease Research Centre of the Caribbean Institute for Health Research (CAIHR); Deputy Dean for Research and Graduate Studies, Faculty of Medical Sciences, University of the West Indies, Barbados

### 10:30AM - 11:50AM - BACK TO BACK PANELS - ONTARIO

#### 10:30am - 11:10am ONTARIO

#### 410 - Lines in the Sand: The Struggle for National Security in a World in a World of Globalized Technology

##### THEME 4

Panel Organized by: *Mike Pereira, David Johnston Research + Technology Park*

The world is seeing an unprecedented blurring of national and international boundaries, accelerated by global technologies that are deeply imbedded in infrastructure vital to nations and their citizens. This is playing out in real-time, with complex ramifications we scarcely understand – human behaviour is increasingly monitored, tracked, analyzed, and all too often, manipulated.

How do we protect ourselves from the threat of mis/disinformation? What do we do when the data of citizens is gathered and stored outside our borders? What happens when global technology intersects national security?

This panel takes an interactive dive into what Canadian's and our government need to consider about the integration of technology into the fabric of our democracy.

##### Moderator



**Mike Pereira**  
Manager, David Johnston Research + Technology Park

##### Speakers



**Lewis Humphreys**  
Managing Director, Cyber Security & Privacy Institute, University of Waterloo



**Bessma Momani**  
Fellow, Centre for International Governance Innovation



**Patrick Rhude**  
Head of Product Management, Nokia Security

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### 10:30AM - 11:50AM - BACK TO BACK PANELS - ONTARIO

#### 11:10am - 11:50am ONTARIO

#### 409 - Artificial Intelligence: Building Resilience Against Cyber Threats

##### THEME 4

Panel Organized by: *Simon Fraser University*

The complexity and speed at which the cyber domain has evolved has taken society by surprise. Government, industry and citizens of nations around the globe are scrambling to understand cyberspace and, more importantly, how to manage the security challenges it poses. Breaches are inevitable. The question is how do we mitigate these risks and build long-term resiliency.

This panel presents a roadmap for public and private institutions to respond to the growing complexities of cybersecurity and public infrastructure. It will explore how advances in artificial intelligence, cybersecurity and coalitions of partners from government, industry, universities and non-profits can increase the capacity of all sectors to assess and mitigate risks from a technological, organizational process and individual perspective.

##### Moderator



**Uwe Glässer**  
Professor, Computing Science, Simon Fraser University

##### Speakers



**Zalina Gappoeva**  
Principal Security Architect, Cyber Security Solution Architecture



**Dominic Vogel**  
Founder & Chief Strategist, Cyber.sc



**Zahra Zohrevand**  
Senior Member of Technical Staff, Oracle Labs

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### 10:30AM - 11:50AM - BACK TO BACK PANELS - GOVERNOR GENERAL III

#### 10:30am - 11:10am GOVERNOR GENERAL III

#### 221 - Scientists in the public space: when discussion turns into a media storm

##### THEME 2

Panel Organized by: *Fonds de recherche du Québec*

As keepers of knowledge, scientists have a responsibility to inform the public. However, the debate sometimes turns into a media storm: the discussion enters such emotional territory that it becomes difficult to demonstrate the value of facts and evidence. How can scientists intervene while maintaining their scientific integrity, their private lives and... their mental health? The panelists have been called on to intervene in the public space on controversial topics. Some have been pressured, others have received threats, but all wish to continue their work. They will present one of the most challenging situations they have faced and discuss the best ways to navigate through media turbulence.

#### Moderator



**Mehrdad Hariri**  
President and Chief Executive Officer,  
Canadian Science Policy Centre

#### Speakers



**Eve Beaudin**  
Journalist at Détecteur de rumeurs, Agence  
Science-Press



**Olivier Bernard**  
Health Columnist, The Pharmafist



**Katie Gibbs**  
Co-founder and Executive Director, Evidence  
for Democracy



**Rémi Quirion**  
Chief Scientist of Quebec

### 10:30AM - 11:50AM - BACK TO BACK PANELS - GOVERNOR GENERAL III

#### 11:10am - 11:50am GOVERNOR GENERAL III

#### 214 - Fighting the opioid crisis by reducing stigma in the media and using media to reduce stigma

##### THEME 2

Panel Organized by: *Sarah Everts, School of Journalism & Communication, Carleton University*

Canada is in the midst of a grave and growing opioid crisis. Since January 2016, more than 11,500 Canadian lives have been lost due to opioid overdoses, and the death rate is still on the rise. Reducing stigma about opioid use is consistently listed as an essential component of any strategy for fighting this complex crisis, by both government agencies and organizations that advocate on behalf of people who use drugs. Panelists will discuss what journalists can do to reduce stigma in their reporting, as well as how new media and social media platforms can be used to fight opioid stigma.

#### Moderator



**Sarah Everts**  
TV Chair in Digital Science Journalism,  
Carleton University School of Journalism  
and Communication

#### Speakers



**Gord Garner**  
Executive Director, Community Addictions  
Peer Support Association



**Kim Kellemans**  
Senior Instructor & Chair of the Department  
of Neuroscience, Carleton University



**Garth Mullins**  
Drug user activist and award-winning radio  
documentarian



**Carly Weeks**  
Health Reporter, Globe and Mail

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10:30am - 11:50am CONFEDERATION BALLROOM

### 130 - Mapping dynamic research ecosystems: tapping into new indicators, big data, and emerging technologies

#### THEME 1

Panel Organized by: Natural Sciences and Engineering Research Council of Canada

Researchers and granting councils are facing a growing deluge of data, which creates both challenges and opportunities. This interactive panel will engage different perspectives on the future of research data analytics and on how new technologies like artificial intelligence can be leveraged to visualize dynamic research ecosystems. What data gaps remain, and how can diverse data sources be pooled to be inclusive of diverse researchers and research outputs? NSERC is interested in better understanding the Canadian research landscape, to identify gaps and overlaps, as well as to ensure that emerging disciplines are not lost in the cracks between disciplinary silos.

#### Moderator

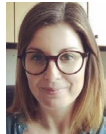


**Eric M. Meslin**  
President and CEO, Council of Canadian Academies

#### Speakers



**Adam Bradley**  
Research Scientist, Visualization for Information Analysis Lab (Vialab), Ontario Tech University



**Stefanie Haustein**  
Assistant Professor, University of Ottawa's School of Information Studies



**Xiaodan Zhu**  
Assistant Professor of the Department of Electrical and Computer Engineering, Queen's University

10:30am - 11:50am GOVERNOR GENERAL II

#### Short Talks Series

The Short Talks Series will include six 10-minute presentations:

1. Translating Research to Impact Policy – Our Journey in Concussion Policy in Canada



**Sandhya Mylabathula**  
CIHR Fellow, Public Health Policy



**Swapna Mylabathula**  
MD/PhD Candidate and McLaughlin Scholar

2. Mobilizing Change from Within: A Case Study on Gender Equity and Internal Research Funding



**Elizabeth Russell-Minda**  
Research Development Officer, Western University

3. Global Governance and Emerging 'High-Risk' Technologies



**Nathan Alexander Sears**  
PhD Candidate in Political Science, University of Toronto

4. Wikipedia Editing & Edit-A-Thons: A Form of Science Advocacy



**Farah Qaiser**  
Graduate Student, University of Toronto; President, Toronto Science Policy Network

5. Journal of Science Policy & Governance: Engaging Students & Early Career Researchers in S&T policy



**Jean-Christophe (JC) Mauduit**  
University College London  
Lecturer in Science Diplomacy

6. Why pro-LGBT policies can turn out to be Innovation policies? Evidence-based arguments to support diversity in Canada



**Renan Gadoni Canaan**  
Visiting Researcher, Carleton University



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Social Sciences and Humanities Research Council of Canada  
Conseil de recherches en sciences humaines du Canada

11:50am - 1:00pm CONFEDERATION BALLROOM

### Luncheon Session



Remarks from Simon Kennedy, Deputy Minister of Innovation, Science & Economic Development (12:40 pm)



Remarks from Mr Daan du Toit Deputy Director-General, International Cooperation and Resources, Department of Science and Innovation (DSI) of the Republic of South Africa (12:40 pm)

1:00PM - 2:20PM - BACK TO BACK PANELS - GOVERNER GENERAL III

1:00pm - 1:40pm GOVERNOR GENERAL III

### 515 - What future for young science policy practitioners?

#### THEME 5

Panel Organized by: Jean-Christophe Mauduit | American Association for the Advancement of Science

This session aims to highlight how young practitioners can participate in science policy and diplomacy, both domestically and internationally. The panel will feature young speakers involved in science policy at academic institutions, non-profits, governments and the UN system. They will address the intergenerational issue and challenges that young practitioners face and will provide their own view of what solutions can be implemented to provide more opportunities and career paths and will also provide their own vision for what they believe the future holds.

#### Speakers



**Tina Grusso**  
Scientist, Forbius



**Patricia Gruver-Barr**  
Research & Innovation Attaché, Québec Government Office in Boston



**Donovan Guttieres**  
Organizing Partner, UN Major Group for Children & Youth



**Jean-Christophe (JC) Mauduit**  
University College London Lecturer in Science Diplomacy



**Uzma Urooj**  
Advisor, Science Strategy, Canadian Institutes of Health Research

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1:00PM - 2:20PM - BACK TO BACK PANELS - GOVERNER GENERAL III

1:40pm - 2:20pm GOVERNOR GENERAL III

### 302 - Supports for women entrepreneurs: discussion on existing knowledge, research and innovative methods to dismantle barriers

#### THEME 3

Panel Organized by: Dr. Wendy Cukier | Ryerson Diversity Institute

This panel will examine the current state of entrepreneurship, barriers that women and diverse groups face, and evidence-based strategies to drive change and the enablers to an inclusive innovation ecosystem at the macro, meso, and micro levels. The discussion will explore new methods making Canada's innovation and entrepreneurship ecosystem more inclusive for women and other under-represented groups as understanding the innovation and entrepreneurship ecosystem is of growing importance to jurisdictions around the world. Panelists will also share new insights from the newly-formed the Women Entrepreneurship Knowledge Hub (WEKH).

#### Speakers



**Wendy Cukier**  
Associate Professor and Director of the Diversity Institute, Ryerson University



**Vicki Saunders**  
Founder, SheEO



**Nora Cottrill**  
Programs Associate, Scadding Court Community Centre

### 1:00pm – 2:20pm CONFEDERATION BALLROOM

#### 315 - Examining the Role of Data Trusts in Smart Cities Governance

##### THEME 3

Panel Organized by: *Monique Crichlow, Compute Ontario | Dr. David Castle, School of Public Administration & Gustavson School of Business, University of Victoria*

In Canada, policymakers are grappling with a rapidly shifting dynamic between advancing innovation strategies and ensuring the public good. Data trusts have emerged as a possible solution for managing the vast amount of data that smart cities will generate, in a way that provides accountability for a wide variety of stakeholders with different interests.

Examining the data governance models proposed by Smart Cities Challenge winners Nunavut Communities and the City of Guelph and Wellington County, this panel will draw on a variety of perspectives to discuss the merits of data trusts, and policy considerations for the accountable advancement of data exchange in the context of the smart city.

##### Moderator



**David Castle**  
Professor, School of Public Administration and Gustavson School of Business, University of Victoria

##### Speakers



**Monique Crichlow**  
Director, Strategy & Policy Development, Compute Ontario



**Karen Hand**  
Director of Research Data Strategy, Food for Thought, Agriculture and Agri-Food Canada



**Ryan Oliver**  
Executive Director, Pinnguaq Association



**Angela Orasch**  
PhD Candidate, McMaster University



**Teresa Scassa**  
Canada Research Chair in Information Law and Policy, University of Ottawa

### 1:00pm – 2:20pm GOVERNOR GENERAL I

#### 131 - Fishing for Open Science Innovation – Should Canada join cOAlition/PLAN S?

##### THEME 1

Panel Organized by: *Natural Sciences and Engineering Research Council | Social Sciences and Humanities Research Council | Canadian Institutes of Health Research*

Canada's three federal granting agencies (NSERC, CIHR and SSHRC) promote and encourage open science through policies like the Tri-Agency Open Access Policy on Publications and the upcoming Tri-Agency Research Data Management Policy. At CSPC, the agencies want to hear from you, in the interactive Open Science Fishbowl! We invite you to join our panelists in the Fishbowl to discuss, debate, pose new questions, and pitch new ideas. The Fishbowl will start on the benefits, challenges, and feasibility of Plan S (in which all publications funded by public grants are immediately open access) for Canada. From there it's up to you!

##### Moderator



**Kevin Fitzgibbons**  
Executive Director of the Corporate Planning and Policy Division, Natural Sciences and Engineering Research Council of Canada

##### Speakers



**Monica Granados**  
Mitacs Canadian Science Policy Fellow; Policy Analyst at Environment and Climate Change Canada



**Angela Holzer**  
Programme Officer, Scientific Library Services and Information Systems, German Research Foundation



**Suzanne Kettley**  
Executive Director, Canadian Science Publishing



**Dominique Roche**  
Postdoctoral Researcher, Fish Ecology and Conservation Physiology Lab, Carleton University



**Guy Rouleau**  
Director, Montreal Neurological Institute and Hospital



**David Sweeney**  
Executive Chair, Research England





### 1:00pm – 2:20pm GOVERNOR GENERAL II

#### 514 - Empowering youth through self-led and experiential learning

##### THEME 5

Panel Organized by: *Ingenium – Canada’s Museums of Science and Innovation*

We are all born with a natural instinct to learn and explore. Self-led and experiential learning are powerful tools for education, as they promote personal reflection and a deeper connection with the world. Panelists will explore programs which design fun, immersive opportunities for young people to enjoy learning by doing. How can we scaffold self-directed learning to encourage the development of skills that young people will need in the future? And how can these approaches to learning empower the youth of today to tackle the biggest challenges in the world, such as climate change, food security and space exploration?

##### Moderator



**Christina Tessier**  
President & CEO, Ingenium – Canada’s Museums of Science and Innovation

##### Speakers



**Céline Auclair**  
Co-Founder, First Peoples Innovation Center



**Mary Anne Moser**  
President and CEO, Telus Spark Calgary



**Diana Wang-Martin**  
Chemistry teacher, STEM Teacher Advisor and International Baccalaureate Middle Years Program Coordinator, Glenforest Secondary School

### 1:00pm – 4:00pm ONTARIO

#### 508 - SING'ing Indigenous Technoscience: An Encounter with the Summer Internship for Indigenous Peoples in Genomics Canada (SING) (3 hour demonstration)

##### THEME 5

Panel Organized by: *Jessica Kolopenuk, University of Alberta / Université de l'Alberta*

SING'ing Indigenous Technoscience uses digital story-telling to introduce viewers to the Summer internship for Indigenous Peoples in Genomics Canada (SING Canada). A series of recorded interviews with SING Canada participants and faculty explain why Indigenous-led technoscientific research and training are vital for operationalizing Indigenous knowledge in science policy. Using art exhibition as a medium to transport the stories of SING Canada and its people, the CSPC audience will meet and hear from the next generation of Indigenous scientists and policy makers: those who are changing national and international conversations about genomics.

##### Moderators



**Jessica Kolopenuk**  
Assistant Professor Faculty of Native Studies, University of Alberta



**Julia Krolik**  
Founder, Pixels and Plans | Art the Science

### 2:20pm – 2:45pm EXHIBITOR HALL

##### Coffee Break

*Coffee, tea, water and juice will be available for CSPC participants, in addition to a variety of snacks. We encourage you to visit our exciting Exhibitors.*

### 2:45pm – 4:00pm CONFEDERATION BALLROOM

#### 136 - Closing Plenary: Municipalities: terrain for innovation

##### THEME 1

Panel Organized by: *Fonds de recherche du Québec*

As the level of government closest to the people, municipalities make decisions that have a direct impact on all our daily lives and can form the starting point for major societal change. What are the distinctive features of this political terrain when it comes to governance and decision making, and what is the place of science advice, research and innovation in this environment? The panelists—elected officials, municipal employees and researchers—will demonstrate the unique characteristics of municipal administration and politics, and the research and innovation needs that arise from them.

##### Moderator



**Brooke Struck**  
Research Director, The Decision Lab

##### Speakers



**Nancy Deziel**  
CEO, CNETE; City Councillor for District de la rivière, City of Shawinigan



**Julie-Maud Normandin**  
Co-director, research and communications, Cité-ID Living-lab



**Maxime Pedneaud-Jobin**  
Mayor of Gatineau



**Rémi Quirion**  
Chief Scientist of Quebec

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- In 2018, UKRI and the National Research Council of Canada (NRC) signed a MoU to facilitate the delivery of collaborative, jointly funded research and innovation programmes.
- In 2019, UKRI and the Canada Research Coordinating Committee (CRCC) signed a LoU to strengthen bottom-up collaboration between UK and Canadian researchers.

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LEADER LEVEL



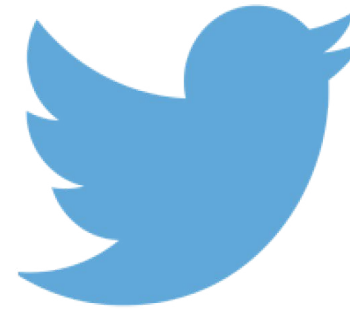
INNOVATOR LEVEL



THINKER LEVEL



COLLABORATOR LEVEL



#CSPC2019



CANADIAN SCIENCE POLICY CENTRE

# SAVE THE DATE

12<sup>th</sup>

**Canadian Science Policy Conference**

Nov. 23-25, 2020 | Hilton Lac-Lemay, Gatineau, QC

