



**Strengthening
Science Policy
Through
Convening,
Connecting,
Capacity Building, and
Catalyzing**

STRATEGIC PLAN

CANADIAN SCIENCE POLICY CENTRE

2018-2019 TO 2022-2023

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EXECUTIVE SUMMARY



The Canadian Science Policy Centre is pleased to present its five-year strategic plan. The Centre has made significant contributions in elevating the status of science policy in Canada by becoming the focal point for connecting various sectors that were previously fragmented. 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 nine-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 Government of Canada is placing a renewed emphasis on new ways of policymaking, including open government, evidence-based decision making, inclusion of traditional knowledge in policymaking, diversity, and inclusion. By providing core funding to the Canadian Science Policy Centre, the Government has a unique opportunity to strengthen Canada's science policy community as it works to meet important objectives for the country.

The Centre's mission is to act as an inclusive hub for connectivity, convening members of the community for key discussions, capacity building for the next generation, and catalyzing research in support of effective science policy. The four objectives identified to fill existing gaps in science policy infrastructure are to:

- Convene
- Connect
- Build Capacity
- Catalyze Research

The Centre plans to provide an information hub to continuously connect and engage Canadians in science policy discussions, in particular by engaging women, youth, Indigenous peoples, and visible minorities in the science policy discourse. The Centre will connect sectors, regions, disciplines, and generations.

The Canadian Science Policy Centre contributes to building human capital and training new leaders in science policy through various training modules, many of which are being offered for the first time in Canada.

A key aspect of program delivery for the Canadian Science Policy Centre is its contribution to evidence-based decision making through a series of training sessions, with a focus on including both scientific and traditional knowledge in policymaking. The Centre convenes experts and facilitates the delivery of research and analysis at the interface of science and policymaking.

We look forward to working with all partners from across Canada to implement this ambitious agenda for science policy in Canada and to ensure that science policy contributes to the well-being of all Canadians.



INTRODUCTION



Over the last nine years, the Canadian Science Policy Centre has built Canada's largest and most diverse science policy community. It has achieved this by building an extensive volunteer network of science policy participants across the country and establishing a national and inclusive dialogue between various sectors, regions, and generations on the most pressing issues of science and innovation policy. The Centre has had a significant impact on strengthening the participation of youth, women, and visible minorities in science policy discussions and connecting science policy with mainstream media.

Now, after almost a decade, the Centre is well-positioned to expand its activities to fill the gaps in the Canadian science policy community. In particular, it can contribute to building human capital and training new leaders in science policy; engaging women, youth, Indigenous, and visible minorities in science policy discourse; and providing an information hub to continually engage Canadians in science policy discussions, and connect sectors, regions, disciplines, and generations.

This government is placing a renewed emphasis on science and evidence-based decision making and science policy. By providing core funding for the Canadian Science Policy Centre, the government has a unique opportunity to strengthen the engagement of Canada's science policy community in meeting these objectives.



CANADA'S SCIENCE POLICY CHALLENGES



Science policy can be considered from three separate, but intersecting, perspectives.

1. **Policy for science:** strategies for optimizing the social and economic returns on Canada's science, technology, and innovation (STI) investments.

Establishing an effective balance between building the scientific knowledge base for a prosperous future and for solving key challenges that we face today has become the preoccupation of governments across the globe. The challenges that we face are more complex and are emerging at an accelerating pace. Canada's economic competitiveness and social well-being are increasingly dependent on access to knowledge, technology and a well-educated, well-trained, adaptable and multidisciplinary workforce. Resource limitations add to the complexity and risks associated with STI investments. In recognition of these challenges and complexities several countries have taken action over the last five years to strengthen their science policy frameworks and STI strategies through comprehensive reviews of their funding systems and other supporting policy tools, including Australia, Austria, the United Kingdom, Netherlands and, most recently, Canada.

2. **Science for policy:** the use of scientific knowledge, methods, and capabilities to ensure the well-being of citizens and the nation's goals.

Scientific knowledge is one of the most important streams of evidence for the development of sound public policy. The convergence of physical/life sciences with social sciences and increasingly with traditional knowledge is emerging as a new paradigm. Embracing and synthesizing these diverse perspectives and collaborating across traditional silos and jurisdictional barriers will be, perhaps, one of the greatest challenges to overcome as we develop inclusive and equitable public policy in the 21st century.

3. **Science of science policy:** a more recent development that is closely related to the first two perspectives. It is an interdisciplinary area of research that seeks to develop theoretical and empirical models of the scientific enterprise and its interface with society.

NEXT GENERATION'S PERSPECTIVES



Alina Chan

CSPC 2017 Volunteer,
Program and Grant writing
Committees

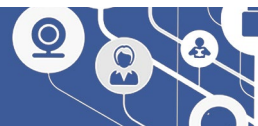
As a first time volunteer, I was blown away by the high quality and scale of the CSPC. It is a unique platform for the scientific leaders in Canada to engage with important policymakers such as the chief science advisor and ministers. It was rewarding for the volunteers to see our work pay off at the conference - volunteers had the opportunity to meet and network with their panelists and interviewees. We were also exposed to diverse areas of science policy. This experience provided insights to careers in science policy and the intersections between science, society, and policy. Attending the CSPC heightened my realization of how important it is for scientists and policymakers to have increased contact so that the decision-making of governments is evidence-based. The CSPC is one event where this can happen, but there should be more official venues for scientists to liaise with politicians and the media.

Attending the CSPC also exposed me to how little scientists know about policy for science. The traditional view of science policy by scientists is of using science to inform policymaking. However, it is clear that systems for research and knowledge need to be informed by evidence as well. Surprisingly, many research institutes and funding agencies do not necessarily use data to design and implement policies for scientific productivity, integrity, and equity. The CSPC helps to generate awareness and much needed dialogue about policy for science. This has a great impact on the careers of thousands of scientists in the country.

I will definitely be back to volunteer for the next CSPC!



THE EMERGING SCIENCE POLICY LANDSCAPE IN CANADA



CBCnews | Technology & Science

Mona Nemer, heart researcher, appointed Canada's new chief scientist

Canada has been without a national science adviser since 2008

The Canadian Press | Posted: Sep 26, 2017 5:08 PM ET | Last Updated: Sep 26, 2017 5:08 PM ET



'Is there any challenge in this country that is not science-related?'

- Mehrdad Hariri, CEO, Canadian Science Policy Centre

The Government of Canada has recently taken a number of steps to put Canadian science on a firm policy footing. The appointment of Dr. Mona Nemer as Chief Science Advisor ushers in a new approach to ensure scientific evidence is appropriately considered when the Government makes decisions. Furthering science as a priority, in June 2016, the Minister of Science, the Honourable Kirsty Duncan, mandated the Advisory Panel on Federal Support for Fundamental Science to review federal support of basic and applied science. The panel, chaired by Dr. David Naylor, released its final report in April 2017. The report's recommendations demonstrate the need to strengthen Canada's research ecosystem.¹

At the provincial level, there are increasing opportunities for enhanced coordination between provincial and federal governments to address science policy challenges. In a recently published report, the Council of Canadian Academies discussed various issues of provincial science policy.² The Government of Ontario has just appointed Professor Molly Shoichet as its first Chief Science Officer.³

Despite many positive developments, Canada's science policy infrastructure is still in its infancy and requires significant support to meet the evolving challenges that society is facing.

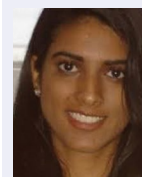
Firstly, Canada needs improved connectivity between academic, government, business, philanthropic sectors, and with the public at large. For a geographically vast country like Canada, with diverse

¹ Canadian Science Policy Centre. *A Comprehensive Collection of Publications Regarding Canada's Fundamental Science Review Panel Report*. Retrieved from Canadian Science Policy Centre: <http://sciencepolicy.ca/science-review-panel-report>

² Council of Canadian Academies. *Science Policy: Considerations for Subnational Governments, A Workshop Steering Committee Report*. Retrieved from: <http://www.scienceadvice.ca/>

³ Ministry of Research, Innovation and Science. (2017, March 14). *Help Recruit Ontario's First Chief Science Officer*. Retrieved from: <https://news.ontario.ca/mris/en/2017/03/help-recruit-ontarios-first-chief-science-officer.html>

NEXT GENERATION'S PERSPECTIVES



Amani Saini

CSPC 2016 Youth Award of Excellence Recipient

In 2015, I had an idea which I thought would make a positive difference to Canadians and wanted to act on it, but I wasn't sure how my idea would be perceived and whether it was plausible. Receiving the 2016 Canadian Science Policy Award of Excellence (under 35 category) really opened the door for my policy idea to flourish. The win meant that my policy proposal now had credibility and was backed by Canada's science community. This gave me the assurance and confidence I needed to start a national organization, Adverse Drug Reaction Canada (ADR Canada) (www.adrcanada.org) and my winning proposal became the foundation of the organization, which advocates for genetic testing to identify gene variants that cause ADRs, the creation of a national database to monitor and record ADRs, and the creation of an electronic medical record system. The Canadian Science Policy Award of Excellence is one of the primary reasons ADR Canada exists and it is the reason that one day, lives will be saved.

CBCnews | Toronto

Ontario appoints first chief scientist to 'make government smarter'

Dr. Molly Shoichet's new position is part of the government's plan to create an innovation-based economy

The Canadian Press | Posted: Nov 21, 2017 5:30 PM ET | Last Updated: Nov 21, 2017 5:30 PM ET



Dr. Molly Shoichet has published more than 575 papers, patents and abstracts, has given over 350 lectures worldwide, and has trained more than 185 scientists in the past 22 years. (University of Toronto)



The Governor General, the Right Honourable Julie Payette delivering remarks at CSPC 2017

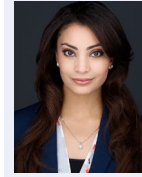


Dr. Neil Turok, Director of Perimeter Institute at CSPC 2017



Dr. Art McDonald, Professor Emeritus and Nobel Laureate (Physics, 2015),

NEXT GENERATION'S PERSPECTIVES



Deena Hamza

CSPC 2017 Youth Award of Excellence Runner-Up

There is a different kind of energy at the Canadian Science Policy Center (CSPC) conference: ideas flow, connections made, interdisciplinary collaboration – electric! I learned about the CSPC 2017 Science Policy Competition through the Canadian Association of Postdoctoral Scholars, and was intrigued by the prospect of creating a Pan-Canadian policy. My main interest is improving mental health outcomes for all members in our community, with specific focus on early identification and intervention. As such, this was an excellent opportunity to share a framework to streamline need, availability of appropriate services, and access. I entered this competition as a way to do my part; to bring mental health to the forefront. I did not expect to be awarded runner-up for this policy, not because of the content but, because of the nature of the topic. Much time is spent talking about the importance of mental health; however, few resources are allocated toward actual change. As a pragmatist and advocate, this is frustrating. The CSPC has provided an outlet for actual change and I feel honored to be a part of it.

regional economies and a decentralized system of government, connectivity between the scientific communities and policymaking communities (both bureaucratic and political) is crucial.

Secondly, Canada needs to enhance its capacity for translating scientific and traditional knowledge into policy, given the Government of Canada's commitment to evidence-based decision making. The creation and appointment of a Chief Science Advisor is a significant step in this direction; however, expanding capacities in all areas of evidence-based decision making, including research, operations, training, and education, is essential.

Thirdly, with the new developments in our science policy landscape, ensuring the integration of the principles of Equity, Diversity, and Inclusion (EDI) in Canada's approach to science policy is essential. The need for active engagement of women, youth, Indigenous nations, and visible minorities in science policy is greater than ever.

Fourthly, traditional knowledge has been a significant source of insight, wealth, and sustainability for Canada's Indigenous nations. The respectful inclusion of Indigenous knowledge in policymaking must be a priority.

The Canadian Science Policy Centre has the recognition and credibility in convening key stakeholders in science policy to ensure constructive dialogue, innovative approaches, and the inclusivity of all segments of society in the advancement of Canada's science policy.



THE CANADIAN SCIENCE POLICY CENTRE: HIGHLIGHTS OF ACCOMPLISHMENTS



EXPLORING FRONTIERS OF SCIENCE POLICY

CBC NEWS | Technology & Science Scientists' diplomacy role must grow: panel

By Emily Chung, CBC News | Posted: Oct 21, 2010 7:08 PM ET | Last Updated: Oct 21, 2010 7:07 PM ET



'The influence of a science advisor is only as good as ears open to that science advice.'

— Nina Fedoroff, former science adviser to the U.S. Secretary of State

For many global problems, using scientific interactions and partnerships to generate solutions is more effective than political negotiations, said Nina Fedoroff, former science adviser to the U.S. secretary of state while speaking at the Canadian Science Policy Conference. ((Emily Chung/CBC))

The CSPC has been the pioneer in putting new and emerging topics on the national radar. With the participation of Nina Fedoroff, former science advisor to U.S. secretaries of state Rice and Clinton, to discuss Science Diplomacy, the Centre captured the attention of mainstream media, such as the CBC: "Scientists' diplomacy role must grow."⁴

EQUITY AND INCLUSION

The Centre has positively contributed to an inclusive agenda to drive growth by bringing under-represented minorities into science policy discourse and onto the national stage by organizing a national symposium on "Diaspora Scientists: Canada's untapped resource of global knowledge networks." The Centre intends to form a dynamic network of diaspora scientists.⁵

In collaboration with Ryerson University's Dean of the Faculty of Science, Dr. Imogen Coe, the conference will feature an annual symposium dedicated to EDI in science. CSPC has been tirelessly working on equity matters for years. Featuring 47% female panelists in the last two conferences, CSPC 2016 and 2017, was the hallmark of this effort. Additionally, almost 70% of CSPC volunteers have been female.

A GRASS-ROOTS CHANGE MAKING ENDEAVOUR

The Canadian Science Policy Conference (CSPC) was established in 2009, marking a major milestone for the grassroots initiative to make a significant impact on the Canadian science policy landscape. A group of young professionals, Ph.D. candidates, and post-doctorates organized the first Canadian science policy conference with the objective of beginning a multidisciplinary, collaborative, and inclusive dialogue on science, technology, and innovation policy. The first conference successfully attained this goal and captured media attention. Nature magazine referred to the science policy conference as one of the signs of hope in Canada.⁶

YOUTH ENGAGEMENT



CSPC 2016 Volunteers and the Minister of Science, Hon. Kirsty Duncan

The annual conference has been a gateway to the science policy world for the future generation of scientists and policymakers. Hundreds of volunteers in the past nine years have served on various committees and contributed to the organization of the annual conference.

GLOBAL CONNECTION

Dedicated to solidifying links within the global network of science policy thought leaders, the Centre hosted Sir Peter Gluckman, Chief Science Advisor to the Prime Minister of New Zealand, to discuss *Science Advice in a Troubled World*.

⁴ Chung, Emily. CBC News. (2010, October 21). Scientists' diplomacy role must grow: panel. Retrieved from <http://www.cbc.ca/news/technology/scientists-diplomacy-role-must-grow-panel-1.962250>

⁵ Canadian Science Policy Centre. (2015, November 25). *Evidence-Based Decision Making Symposium*. Retrieved from <http://sciencepolicy.ca/evidence-based-decision-making-symposium>

⁶ Nature. (2010, January 14). *Call for a bigger vision* 463 (135).



THE CANADIAN SCIENCE POLICY CENTRE: A FIVE-YEAR STRATEGY



A strong, inclusive, and effective science policy community that contributes to the well-being of Canadians.



The Centre is an inclusive hub for connectivity, convening, capacity building, and catalyzing research in support of an effective science policy community.

GUIDING PRINCIPLES



The Centre is fully committed to the values of gender equality and recognizing the diversity of our nation. The Centre will always make efforts to ensure that gender balance is present in all of its activities.



The Centre will actively engage young people, our future.



The Centre will examine complex multidisciplinary issues from diverse points of view by embracing a broad definition of “science,” which includes the natural, health, social, and human sciences as well as engineering. The Centre will explore the respectful integration of traditional Indigenous knowledge.



The Centre exists to open a channel that will allow an extensive and inclusive network of Canadians to provide public service to Canada through contributions to policy issues and policy research.



The Centre will operate as a non-partisan, arm’s-length, not-for-profit organization, independent of government, academia, and the private sector.



The Centre will collaborate with, complement, and add value to the work of other organizations.



The Centre will engage the best-qualified private, public, and academic minds to participate actively in its work, applying rigorous and academically sound practices.



BRINGING A COMPETITIVE ADVANTAGE TO SCIENCE POLICY IN CANADA: VALUE PROPOSITION

The Canadian Science Policy Centre is at the centre of Canada's science policy community, focusing collective attention and efforts on science policy questions critical to deliver government priorities and to Canada's future economic and societal well-being.

Having led annual science policy discussions, built an inclusive forum, engaged numerous layers of the community, engaged the next generation in science policy discussions, and earned trust as a neutral space, the Canadian Science Policy Centre is in the unique position to deliver the following objectives:

1. To Convene:

The Centre will provide an inclusive and neutral forum for all stakeholders of science and innovation for dialogue and the dissemination of knowledge. Stakeholders will have access to current science policy expertise, perspectives, and insights to forge new directions for science and innovation policy in Canada.

2. To Connect:

The Centre will connect solution seekers and problem solvers in Canada's science policy communities including academics, policymakers in the public service, political staff, private sector R&D experts, non-profit organizations, Indigenous groups, media, and other civil society sectors, through various platforms. In addition, the Centre will globally expand its ties with similar organizations, such as Science Policy Centre of Royal Society (UK), Centre for Science and Policy (UK), Parliamentary Office of Science and Technology (UK), the American Association for the Advancement of Science (USA), the EuroScience Open Forum (EU), and others to benchmark effective practices and collaborate on international science policy issues.

3. To Build Capacity for the Next Generation:

The Centre will offer a broad range of opportunities and programs to train the next generation of science policy experts such as workshops, internships, mentorships, webinars, and lecture series.

4. To Catalyze Reports and Analysis:

In partnership with other organizations, the Centre will develop reports and analyses that bring new dimensions and perspectives into science policy discourse. Examples include:

- a) mapping of the science policy landscape, to better understand the existing resources and to facilitate better coordination among them;
- b) exploring non-traditional and novel areas, such as Science Diplomacy, Traditional Knowledge in Evidence-Based Decision Making, and Diversity in Science Policy.

NEXT GENERATION'S PERSPECTIVES



Andrew Harris

CSPC 2017 Volunteer,
Editorial Committee

My experience as a CSPC 2017 volunteer was incredible. I think that the success of this conference can be boiled down to one sentiment; inclusion. I was immediately accepted and felt like part of the team.

The effects of this philosophy are also reflected in the attitudes of the delegates and the atmosphere of the conference. This is why I think this conference and community are thriving and why its aptitude to tackle meaningful problems will continue to improve.

I learned a great deal at CSPC and I am currently thinking about ways that I can improve science literacy in my community. I met amazing people and grew my professional network. In particular, meeting and working alongside bright and kind volunteers and organizers was a highlight.

I hope to continue to contribute to this amazing community.



STRATEGIES TO ACHIEVE THE CENTRE GOALS

The Centre, with a successful nine-year track record, is ready to expand its activities on various fronts at the interface of science and policy.

1) CONVENING — BUILDING AN INCLUSIVE NETWORK OF SCIENCE POLICY COMMUNITIES

The Government has articulated expectations:

“...Constructive dialogue with Canadians, civil society, and stakeholders, including business, organized labour, the broader public sector, and the not-for-profit and charitable sectors; and identifying ways to find solutions ... Re-insert scientific considerations into the heart of our decision-making and investment choices ... You will engage constructively and thoughtfully and add priorities to your agenda when appropriate...”⁷

The Canadian Science Policy Centre, as an arms-length convener, supports the objective of broad stakeholder engagement by bringing together a pan-Canadian network of multi-sector expertise to discuss science and innovation policy issues in a neutral, non-partisan forum. This includes organizing conferences, symposia, lecture series, public dialogues, and consultation sessions.

The Annual Science Policy Conference

The Canadian Science Policy Conference is the largest forum devoted to science policy in Canada. The multi-day conference has been held to convene Canada’s science and innovation policy stakeholders, including current and future scientists, business leaders, and science policy experts for a multi-day conference held in different locations throughout the country. It has earned a respected position as an inclusive, neutral, non-partisan, non-governmental event devoted to providing insights and solutions to Canada’s leading science and innovation policy topics and challenges. Over the years, the Centre has grown immensely, culminating in the most recent CSPC 2017, which saw the highest number of panels and delegates to date, 42 and 677, respectively. It will continue to be the Centre’s focal point for building a diverse and collaborative national network dedicated to advancing Canadian science policy.



Minister of Science, Hon. Kirsty Duncan, CSPC 2016



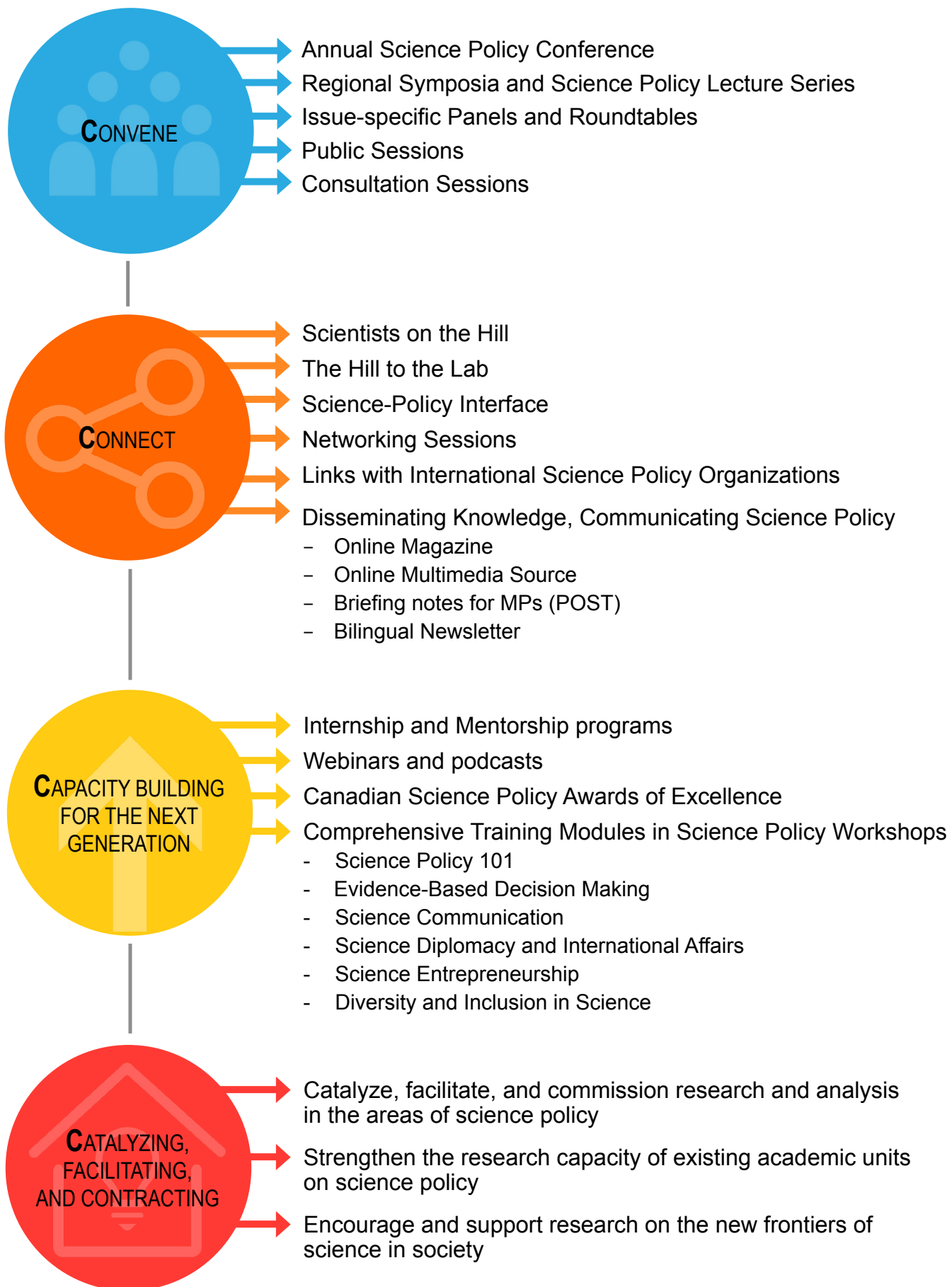
The Fundamental Science Review Panel Members at CSPC 2017



Canada’s Chief Science Advisor, Dr. Mona Nemer in a one-on-one interview with Mehrdad Hariri at CSPC 2017

⁷ Trudeau, Rt. Hon. Justin. (2015, November 12). *Minister of Science Mandate Letter*. Retrieved from <https://pm.gc.ca/eng/minister-science-mandate-letter>





Regional Symposia and Science Policy Lecture Series

The Centre will expand its convening functions to two series to broaden its national reach and to ensure engagement of communities.

- 1. Lecture Series:** The objective of these recently established free and open-to-the-public lectures on university campuses is to provide an environment for university students and the public to engage in in-depth discussions on a broad range of science policy issues.
- 2. Regional Symposia:** While the annual conference will remain in Ottawa to address areas of broad national interest, regional symposia will focus on provincial, territorial, and local science policy issues.

Issue-Specific Panels and Round Tables

The CSPC will convene panels and round tables at the local and regional levels to serve three main purposes:

1. Address emerging issues of specific clusters, regions, and sectors by bringing leaders, innovators, and policymakers together to exchange ideas and perspectives and to recommend practical solutions and policy options based on the specific needs of the sector.
2. Connect young entrepreneurs and innovators with industry leaders and policymakers.
3. Promote collaboration in the development of science and innovation policy through inclusion of the private sector and young entrepreneurs in the discussion.

Public Sessions

Every year there are many reports published by various science, innovation, and technology policy organizations, government departments, and agencies. The Centre will work with these departments and agencies to ensure these reports are more broadly distributed to the public and the Canadian science and science policy communities at its various events.

NEXT GENERATION'S PERSPECTIVES



Bhairavi Shankar

CSPC 2017 Volunteer,
Social Media and Grant Writing
Committees

It was a fantastic experience - I'm so happy to have had the opportunity to volunteer at CSPC2017. As a scientist it was exciting to meet everyone from all sectors and I realized quickly that we have a strong support system right here in Canada within the scientific community. Members who have been in the field and have diverse academic and industrial expertise made us new members feel welcome, valued, and included in conversations. It was icing on the cake being in the same space as our new Governor General, Minister of Science, and Chief Scientist - hearing their objectives in ensuring more equity diversity and inclusivity is maintained at every level. And lastly a true pleasure meeting and interacting with fellow volunteers, new friends. Can't wait to attend it next year!



Public Session for the March for Science in Toronto at Ryerson University



Consultation Sessions

At the request of its partners, including government agencies, the Centre will convene public and private consultation sessions and town hall meetings to capture recommendations and suggestions on specific topics relevant to policy change.

An example of this consultative approach was a meeting held in partnership with the Faculty of Science of Ryerson University (the lead organization) on the topic of Equity, Diversity, and Inclusion in Science, Technology, Engineering, and Math. More than 40 stakeholders from various sectors attended and provided recommendations.

Topics for these consultations can include, but are not limited to, the following:

- Developing mechanisms for using scientific and traditional knowledge and evidence to inform policies;
- Including the voice of youth and visible minorities in science policy;
- Setting priorities for strategic directions in science, technology, and innovation;
- Developing policies that encourage the participation of more women in STEM fields;
- Identifying options that strengthen fundamental research; and
- Improving coordination with provincial, territorial, and municipal governments regarding science, technology, and innovation.

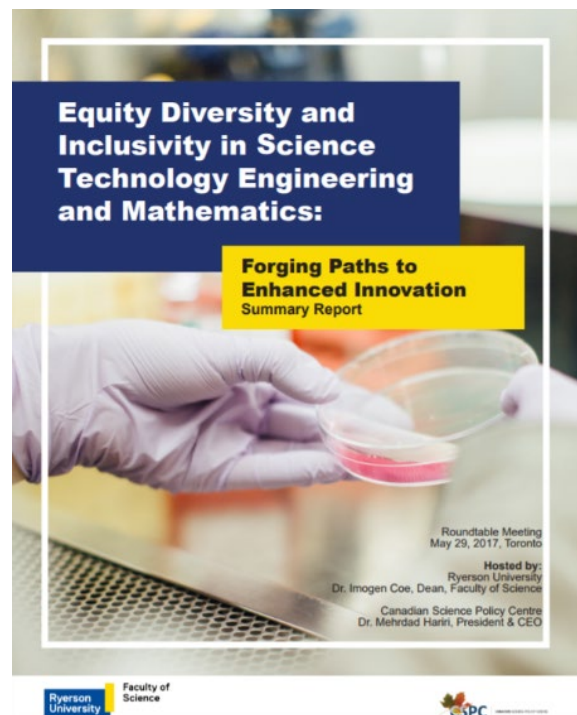
2) CONNECTING COMMUNITIES OF SCIENCE POLICY

Connecting elected officials, policymakers, and scientists is an ongoing challenge that the Centre will tackle through activities that foster constructive dialogue and improved understanding.

Scientists on the Hill

In recognition of this challenge, in collaboration with the Library of Parliament, the Scientists on the Hill program will provide opportunities to researchers to enhance their knowledge of policy and political proceedings and allow politicians to engage with students and scientists. This program will aim to deepen the understanding and appreciation of the bridge between science and science policy. Selected scientists from across the country will spend one week

in the House of Commons to benefit from the vast range of activities on the Hill. Scientists on the Hill will include attendance at committee meetings and house sessions to familiarize students and researchers with policymaking and inform them of the organization, rationale, and motivations of decision-making in parliament procedures. In exchange for this experience, the scientists will need to provide at least one lecture in their home institutions about the one week experience they had.



NEXT GENERATION'S PERSPECTIVES



Conor Meade

CSPC 2017 Volunteer,
Social Media Committee

There really is something unique about the Canadian Science Policy Conference's ability to deliver such a valuable experience to each of our volunteers. Ultimately, I think it's because CSPC cares a lot about making sure volunteers get an opportunity to learn, develop, work on interesting projects, and do it all within the constraints of their existing professional and academic responsibilities. As Chair of the CSPC Outreach Committee, it's been a great privilege to see how the experience helps our volunteers create new knowledge, relationships, career opportunities, and personal growth – and to experience those growth opportunities myself.



A provincial model, in collaboration with the provincial government, will be implemented after the federal program becomes established and demonstrates success.

The Hill to the Lab

The bilateral relationship between policymakers and scientists is a top priority of the Centre and will be materialized with the Hill to the Lab program. In this program, members of parliament will familiarize themselves with the research process first-hand. The Centre will arrange for the MPs to be observers in a research lab or research environment within their home constituency and to shadow a lead scientist for one or two days. The MPs are expected to participate in various activities including student-professor exchanges. This exchange will be during the summer, when parliament is not in session and MPs are spending time in their constituency.

Science-Policy Interface:

The government is embracing experimentation in advancing a culture of innovation, as well as exploring new approaches to measuring impact and intelligent risk-taking in program and policy design related to innovation. Through its expanded network of experts, and consistent with the principles of Open Government, the Centre can assist the government in advancing this policy agenda in various ways including:

- matching departments with agencies seeking expertise in experimentation and impact measurement; and
- providing opportunities for knowledge mobilization through the publication and discussion of results, whether positive, negative, or neutral, at the Centre's annual conference and other venues.

Networking Sessions

The Centre will host and organize networking sessions to connect young policymakers, researchers, and trainees with parliamentarians, public servants, media, and private sector executives. These sessions will be held across the country on a regular basis and intend to provide an informal environment for connection and discussion among individuals from different sectors.

Links with International Science Policy Organizations

The Centre has established a strong global reputation as a focal point for Canadian science policy. The Centre's core funding enables it to connect with other science policy organizations on a more systematic basis. The Centre is collaborating with these organizations to establish joint events of mutual interest and to formulate reports. This collaboration with international science policy organizations will ensure the engagement of the Canadian science policy community with international developments and best practices. It will also provide Canadians with the opportunity to have their science policy footprints on the international stage.

NEXT GENERATION'S PERSPECTIVES



Chad Atkins

CSPC 2017 Volunteer,
Social Media and Editorial
Committees

CSPC 2017 provided me with an opportunity to engage in discussions with experts working on the interconnectivity of research science and science policy. I was impressed with the number of organizations who function to bring these communities closer together. Personally, the event was inspiring as both a scientist and as a citizen, because there was an emphasis on understanding how science and policy can serve to address serious global challenges. I look forward to helping the conference grow and I will continue to support the importance of science towards forming public policy.

Home » Science Advice in a Troubled World

Science Advice in a Troubled World

Science Policy Lecture Series: Inaugural Session: Science Advice in a Troubled World

By: Sir Peter Gluckman, Chief Science Advisor to the Prime Minister of New Zealand

Video: [Watch the Video of the Whole Session on CSPC YouTube Channel](#)

Photos: [See more pictures of the event](#)

Lecture Summary

Sir Peter Gluckman ONZ FRS is the first Chief Science Advisor to the Prime Minister of New Zealand, having been appointed in 2009. He is also science envoy and advisor to the Ministry of Foreign Affairs and Trade. He is chair of the International Network of Government Science Advice (INGSA), which operates under the aegis of the International Council of Science (ICSU). He chairs the APEC Chief Science Advisors and Equivalents group and is the coordinator of the secretariat of Small Advanced Economies Initiative. In 2016 he received the AAAS award in Science Diplomacy. He trained as a pediatric and biomedical scientist and holds a Distinguished University Professorship at the Liggins Institute of the University of Auckland. He has published over 700 scientific papers and several technical and popular science books. He has received the highest scientific (Rutherford medal) and civilian (Order of New Zealand - limited to 20 living persons)

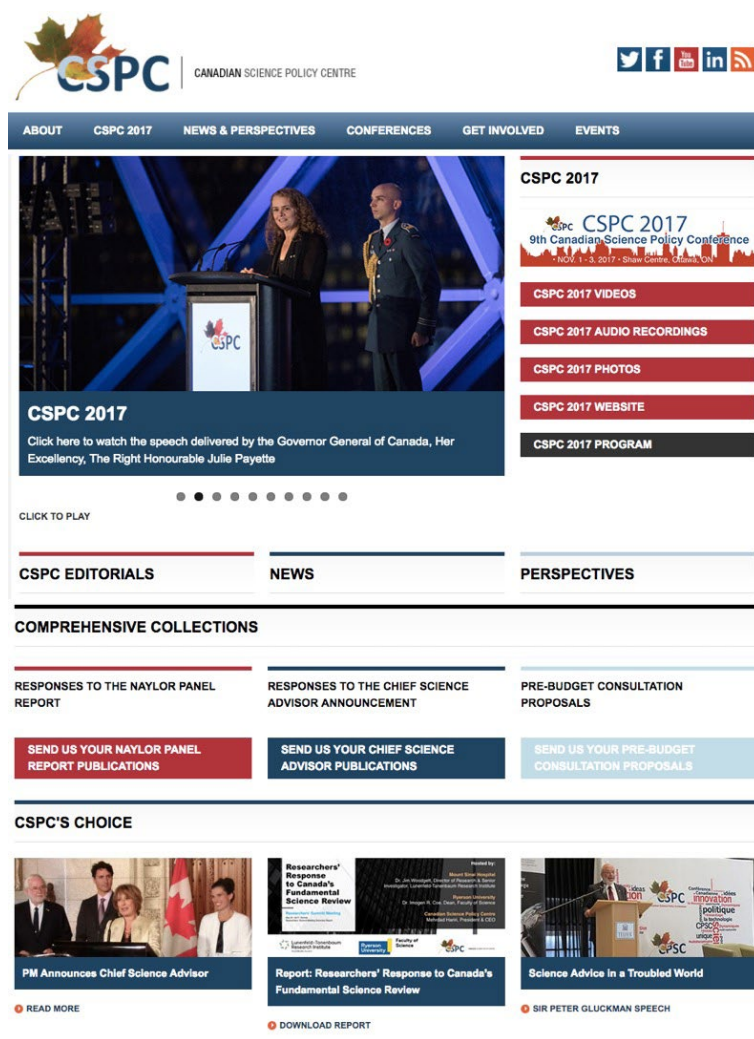
Inaugural Science Policy Lecture Series, delivered by Sir Peter Gluckman



Disseminating Knowledge, Communicating Science Policy

The Centre will expand on its existing online hub to share knowledge and disseminate issues at the interface of science and policy. The hub will include the following:

- **An Online Magazine:** Development of the first and only comprehensive online magazine dedicated to science policy. The magazine will feature Canadian and international science policy news, opinion pieces, comprehensive collections of publications on emerging and current topics in science policy, and an expanded career section that will include all career opportunities, fellowships, and internships available across the country.
- **An Online Multimedia Source:** In collaboration with the Ryerson School of Journalism, the Centre will expand its knowledge dissemination capacity by implementing:
 - Ten-to-fifteen-minute weekly updates on the science policy landscape;
 - Short interviews with experts;
 - Training podcasts and webinars, including online tools for training sessions in science policy; and
 - Live broadcasts of the Centre’s events and sessions.
- **Briefing Notes for Parliamentarians (POST):** Based on POSTnotes⁸ in the UK, this initiative will provide succinct briefing notes for parliamentarians on emerging and topical issues. The CSPC intends to partner with the Office of the Chief Science Advisor and engage the Centre’s graduate intern students from three disciplines (science, public policy, and journalism) to develop these monthly briefing notes.
- **A Bilingual Newsletter:** This will provide regular updates to the Canadian and international science policy communities. Graduate student interns will be engaged to produce the newsletters.



The sciencepolicy.ca website

⁸ POSTnotes: four-page summaries of public policy issues based on reviews of the research literature and interviews with stakeholders from academia, industry, non-profit organizations, and government. They are peer-reviewed by external experts and are often produced proactively so that parliamentarians have advance knowledge of key issues before they reach the top of the political agenda.

3) CAPACITY BUILDING FOR THE NEXT GENERATION — HUMAN CAPITAL DEVELOPMENT AND TRAINING

Internship Program



CSPC 2017 Volunteers

The Centre will facilitate delivery of a mandate from the federal government’s 2017 Budget: “Help young Canadians get the skills and experience they need to kick-start their careers.”⁹

Building on the existing volunteer base, the Centre plans to provide up to 100 paid internships annually by the fifth year of core funding. Since its inception, the Centre has operated on a volunteer basis.

Cumulatively, more than 400 (almost 70 percent are

female) graduate students, post-doctoral fellows, and trainees from various disciplines across the country have served on the Centre’s committees and contributed to the organization of its conference each year. The Centre has been a gateway for volunteers to learn about science policy issues and organizations and successfully pursue careers in science policy. The Centre has the capacity to develop a paid internship program by formalizing the volunteer-based structure. The interns will contribute 5 hours per week for a period of at least six months. Furthermore, the Centre has the potential to host paid summer interns full-time to be engaged in all proposed projects of the Centre from May to August.

Internships will provide students a unique training opportunity in the science policy field and encourage them to pursue careers in government, non-profit, and private sectors. They will also have the opportunity to network with policymakers and establish relationships within the science policy community. Additionally, interns will be offered at least one of the Centre’s many proposed training modules.

The Canadian Science Policy Awards of Excellence

The Centre initiated the first and only Science Policy Awards of Excellence. Currently, the award is offered to youth (under 35 years old) who develop and present policy ideas. The Centre intends to further develop the Science Policy Awards of Excellence to include mid-career professionals, lifetime achievement awards, and other fields, including science communication, science and society, and science diplomacy. The recipients will be selected by the Advisory Committee, and the awards will be bestowed at a ceremony during the annual conference.



2nd Youth Science Policy Award of Excellence recipient, Amani Saini With Minister of Science, Hon. Kirsty Duncan and Mehrdad Hariri

Mentorship Program

Mentors will be identified within the network through self-identification, publications, presentations, and recommendations. Students, early-career professionals, and new immigrants interested in science and innovation policy will be matched with Canadian science policy experts. The database will also be used to track mentors and mentees to facilitate communication and matching.



3rd Youth Science Policy Award of Excellence recipient, Sierra Clark with Minister of Science, Hon. Kirsty Duncan, and Mehrdad Hariri

⁹ Government of Canada. (2017). *Budget 2017: Building a Strong Middle Class. Table 1.1 The Innovation and Skills Plan – Helping Canadians Succeed in the New Economy*. Retrieved from: <http://www.budget.gc.ca/2017/docs/plan/chap-01-en.html>



Comprehensive Training Modules in Science Policy: Workshops

The Centre is planning to design training modules as part of a package that will cover various areas of the science and policy intersection. Below is a list of the workshops currently in development.

Science Policy 101

Currently, the Centre offers this workshop every year at the annual conference. The Centre plans to expand this workshop by presenting to various Canadian campuses throughout the year. This day-long workshop provides a gateway into the world of science policy. Outcomes include an enhanced understanding of policy procedures, identification of key players, and assembly of tools for effective policy engagement. Funding structures, mechanisms to be an effective advocate for the research enterprise, and a career panel to provide examples of varied job types and career paths in science policy will all be considered. This workshop welcomes all backgrounds, whether in the sciences, engineering, public policy and administration, business, communications, arts, or something else entirely. For anyone with interest in science policy, this workshop is the place to share and expand their knowledge, develop skills, and start building a network in the science policy sphere.

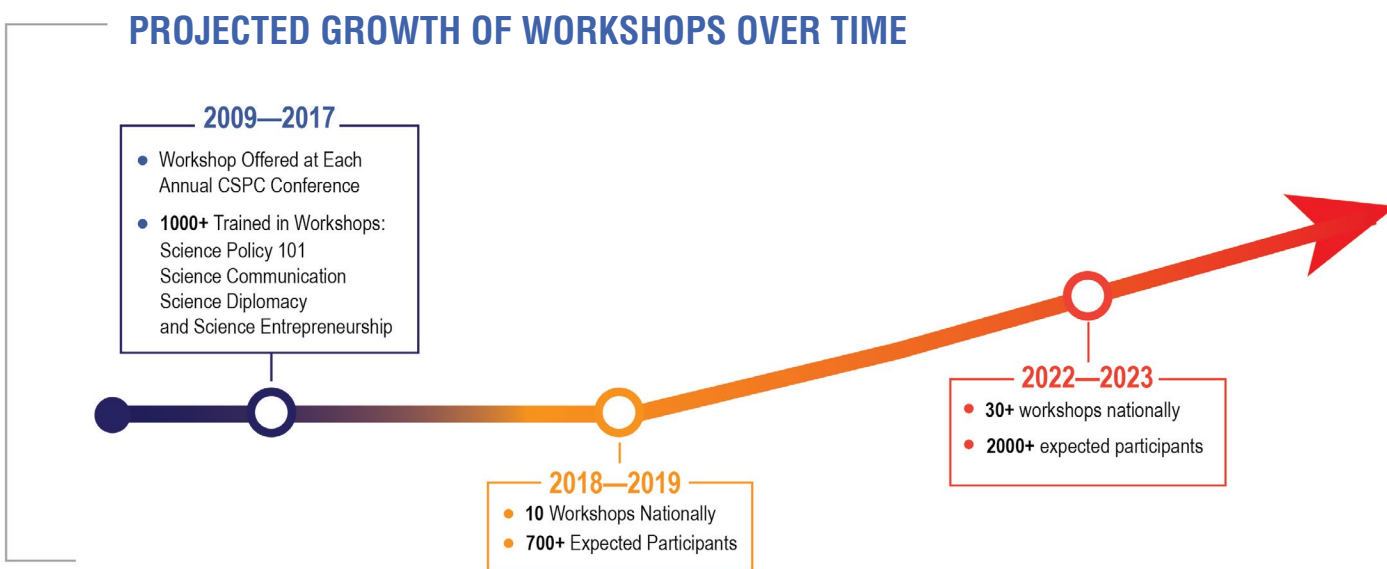


Figure 1

Evidence-Based Decision Making (EBDM)

The Centre has already hosted and organized two symposia and is planning to develop training sessions on EBDM. This series of workshops will include participants from the civil service, academic and non-profit sectors, and Indigenous groups. They will examine the complexities of the practice of EBDM, including the integration of traditional knowledge into policymaking.

Science Communication

The Centre is currently developing this workshop in collaboration with other organizations.

Science Diplomacy and International Affairs

In partnership with other organizations, including AAAS, the Centre is planning to work with experts in science diplomacy and international affairs to develop this workshop for diplomats, students, and members of Canadian non-profit organizations working in the field of international relations.



Science Entrepreneurship

In recognition of the dynamic economic landscape in science policy, the Centre is planning to work with experts in the private sector and industry to develop this workshop for young researchers and entrepreneurs with a vested interest in science entrepreneurship.

Diversity and Inclusion in Science

In partnership with Ryerson University and leading figures in diversity in science, the Centre is planning to develop this workshop, which will offer the theory and practice of diversity and inclusion in science.

Webinars and Podcasts

Webinars and podcasts will provide online training sessions as well as opportunities for the Centre's stakeholders from various sectors around the world to share their expertise and knowledge in real time. Participants can listen to the discussion, pose questions, and contribute to the expertise "in the room."

4) CATALYZING REPORTS

The Centre will also contribute to research and analysis in science policy in the following two streams:

1. **Catalyzing, facilitating, and commissioning research and analysis in the areas of science policy:**

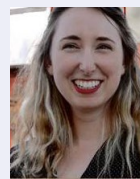
The Centre will participate as a leader, collaborator, and facilitator in science policy-oriented projects using its extensive multi-sectoral network. The research will primarily be in the following categories:

- a) Mapping Canadian science policy landscape;
- b) Examining pilot projects on Evidence-Based Decision Making; and
- c) Exploring unique areas, such as Science Diplomacy; Traditional Knowledge in Evidence-Based Decision Making; and the relationship between science and society, including how science can be effective to improve quality of life, mitigate marginalization and radicalization, facilitate peace and international affairs, enhance sustainable development, and provide a platform for diaspora scientists.

2. **Strengthening the research capacity of existing academic units on science policy:**

This will be done by connecting the units and projects from across the country, providing them with both support for convening and exposure to the greater academic community as well as government and the public as a whole.

NEXT GENERATION'S PERSPECTIVES



Sierra Clark

CSPC 2017 Youth Award of Excellence Recipient

When I heard about the CSPC Youth Excellence Award, I saw this as a perfect opportunity to put the skills I learned to practice by writing a policy proposal that I personally care about and that I believe is important for Canadians. One of the many wonderful things about this award is that it forces students (graduate, undergraduate, even high school), to think beyond an academic audience, and to communicate their research in a different way. As well, winning this award provided me with the opportunity to present my policy proposal to a room full of policymakers, Ministers, scientist, journalists, and even the Governor General of Canada, where all ears were tuned towards me. That opportunity may only come once in a lifetime.

I am extremely grateful to the CSPC for challenging, and supporting, young scientists, social scientists, innovators, and creators in Canada to push the boundaries of their research and communication of research results. This award challenged me to consider and write for an audience that I had been trying for years to connect with, and now had the opportunity to talk directly to.



CANADIAN SCIENCE POLICY CENTRE FIVE-YEAR PROGRAM GOALS

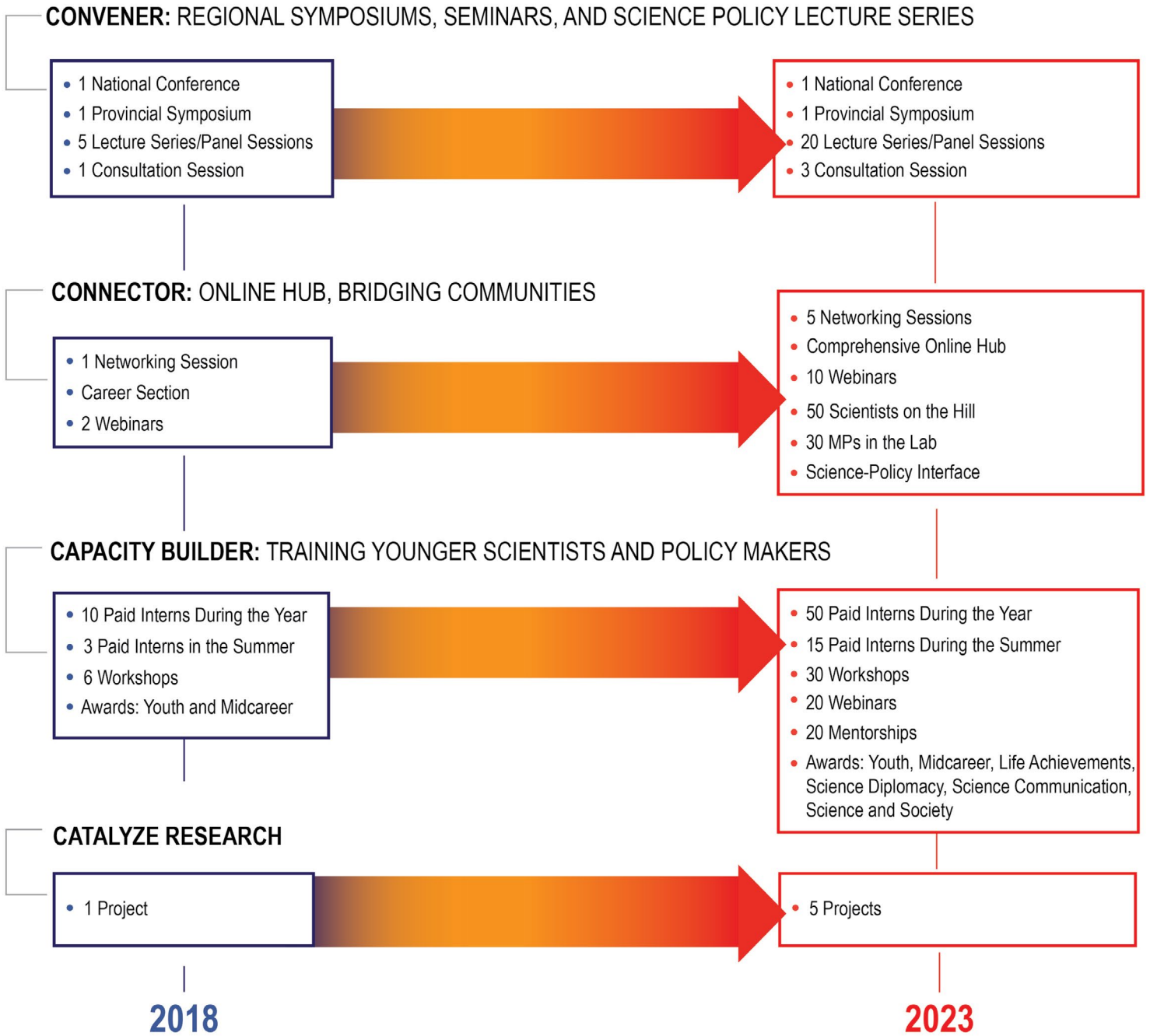


Figure 2



PROPOSED ORGANIZATION MODEL

The CSPC will have an organization that cost-effectively enables the Centre to operate in the service of its stakeholders. While the strength of the CPSC lies in part in the involvement of committed volunteers, several paid positions are key to the success of the CSPC's endeavours.

Stable funding for the CSPC will allow the organization to carry out its activities with the following organization model:

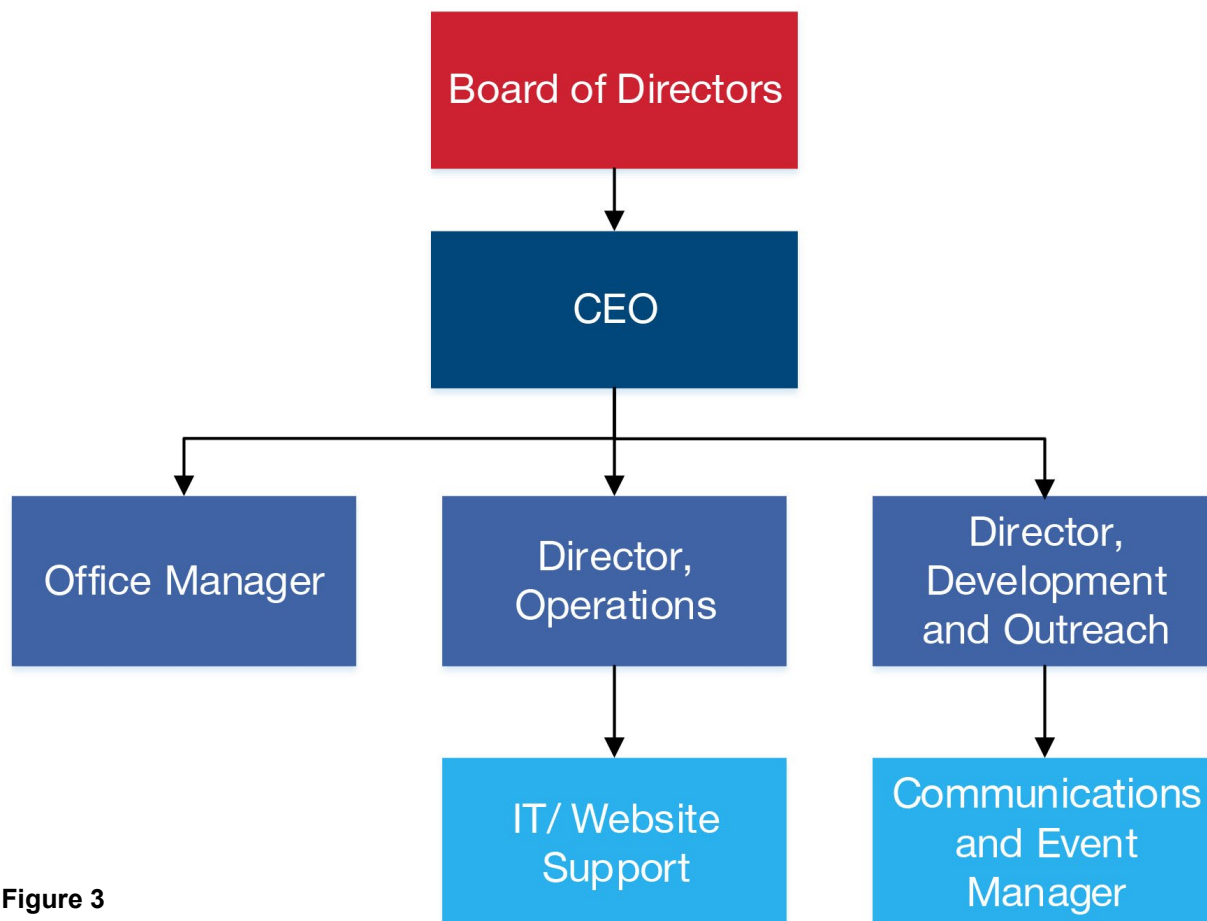


Figure 3



APPENDIX



APPENDIX



Over the last nine years, the Canadian Science Policy Centre has made significant contributions to a range of areas that include developing a national network and community of science policy stakeholders, building an online hub, including the community in an online forum, and raising the profile of science policy. The Centre is also connected to the mainstream media and the public at large, providing a gateway for the next generation of scientists and policymakers to the science policy arena. These accomplishments have contributed to a multifaceted and dynamic science and innovation policy dialogue across the country, leading Nature magazine to hail the conference as a “sign of hope for science policy in Canada.”

The Centre, with limited resources, has had remarkable achievements, including:

- The Annual Canadian Science Policy Conference
- Lecture Series and Panel Sessions
- Website and Online Platform: An online hub
- Developing a Network of Science Policy Organizations and Individuals from across the Country
- Providing Training Capacity in Science Policy for the Next Generation
- Pioneering New Insights and Horizons in Science Policy
- Linking Science Policy with the Media

THE ANNUAL CANADIAN SCIENCE POLICY CONFERENCE

The Canadian Science Policy Conference (CSPC) has attracted important representatives of science and innovation policy from both the current leadership cadre and the next generation of Canada’s top scientists, business leaders, and science policy experts, as demonstrated in **Figure A1**. CSPC has become Canada’s most comprehensive, multi-sectoral, and interdisciplinary forum for addressing emerging and urgent issues of science policy in the 21st century. It has also become a major focal point for the science and innovation policy community to network and engage in the most current and important conversations. Additionally, 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. Every year, delegates submit diverse panel proposals that identify emerging issues. They attend the annual conference in increasing numbers and signal the tremendous capacity for growth and transformation in Canadian science policy.



For the expansion of the network, the conference has traveled across Canada: Toronto (2009, 2013), Montreal (2010), Calgary (2012), Halifax (2014), and Ottawa (2011, 2015, 2016, 2017). Each conference attracts hundreds of delegates from across the country and attendance is increasing every year. In 2017, there were 677 registered delegates. In the past nine years, the conference has featured hundreds of panel sessions developed by many organizations from across the country on many diverse themes as shown in Table 1.

In 2016, the majority of participants registered for the conference were from Government and Agencies (32%), followed by participants from Academia (31%). In 2016, a majority of the delegates held positions in Senior Management (29%), followed by Executives (24%).

In 2017, there was an increase in representation from Academia (33%), followed by Government and Agencies (29%). This year, there was a dramatic increase in the number of students and post-doctorates attending the conference, from 7% to 22%. The conference maintained considerable attendance by Executives (23%) and Senior Management (24%).

It has been the Centre's mission to strive for diversity and gender-balanced panels of speakers and presenters by embedding these considerations as required criteria for panel selection.

Diversity and gender balance are key criteria for panel selection. Each panel must have members representing at least two sectors and must include panelists from different provinces. CSPC has made significant progress in featuring gender-balanced panels. In both 2016 and 2017, 47% of panelists were female as depicted above in **Figure A2**.

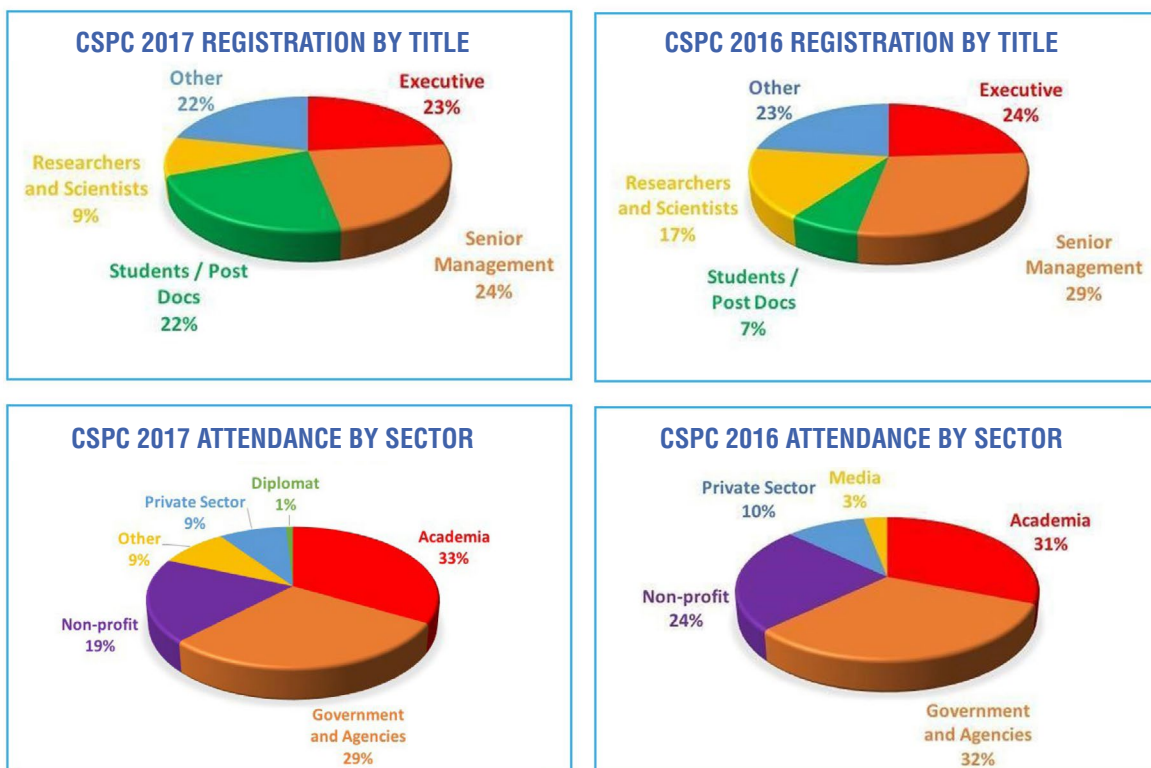


Figure A1: Conference registration by title in 2017 and 2016 (top) and by sector in 2017 and 2016 (bottom)

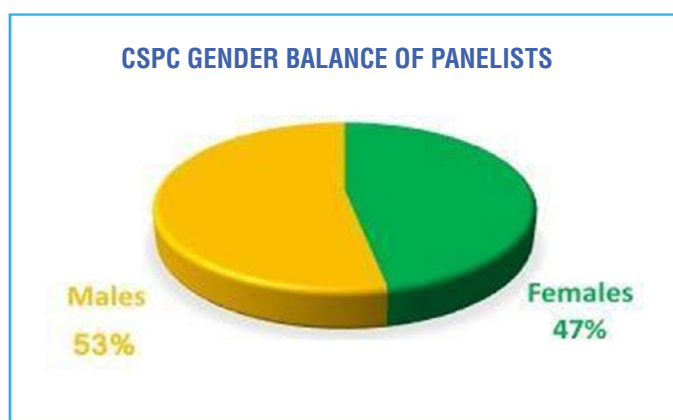


Figure A2: Gender balance of panelists at CSPC 2017



LECTURE SERIES AND PANEL SESSIONS

In addition to the annual conference, the Centre hosts the Canadian Science Policy Lecture Series, which is free to attend. It provides numerous panel sessions to engage stakeholders—in particular students—on emerging topics throughout the year in locations across Canada. The main objective of these free lectures is to stimulate deep conversation on key topics where science and society intersect and to connect various communities who may not be able to attend similar talks due to registration cost or other means. A few examples of these lectures as part of the series include:

- In June 2016, the Centre hosted Dr. Vaughan Turekian, Science and Technology Advisor to Secretary of State John Kerry on Parliament Hill.
- In January 2017, the Centre hosted Sir Peter Gluckman, the New Zealand Science Advisor, in a public lecture in Ottawa, discussing: “Science Advice in a Troubled World.”
- In April 2017, Dr. Rémi Quirion, Quebec’s Chief Scientist spoke in Toronto on the role of a provincial Chief Scientist.

A detailed list of events is shown in Table 2.

WEBSITE AND ONLINE PLATFORM—AN ONLINE HUB

The Centre has developed a comprehensive online source for various perspectives and developments in Canadian science policy. The website also serves as a robust online multimedia platform as the main source of knowledge dissemination for science policy in Canada. The Centre’s multiple media platforms attract visitors from around the world, indicating the global recognition of the website and the Centre as a hub for science policy. This online hub has facilitated expansion of the Centre’s network and has allowed key stakeholders to view and engage in its dynamic work.



Luncheon Address by Dr. Vaughan Turekian, Science Advisor to Secretary John Kerry, hosted by NRC and CSPC, June 2016



CSPC comprehensive collection of editorials on a vast range of science policy topics at sciencepolicy.ca



The sciencepolicy.ca website includes:

- **Community news and science policy perspectives** from Canadian and opinions published in other media outlets. These news sections provide a one-stop shop to update the community about the recent developments of science and innovation policy community.
- Over **67 editorials**, which have provided commentary on key issues including Federal Budgets (since 2012), Adoption of a Science Advisor for Canada, Canada's 150th Anniversary, Reflections on the New Administration, Science and Diplomacy, and a New Innovation Agenda for Canada.
- A regular bi-weekly **Newsletter**, delivered in both English and French, which provides important updates on science policy in Canada, as well as community announcements, reaching approximately 4800 community members.
- A **YouTube channel** that currently archives the videos of over 200 interviews with prominent figures in science policy, annual conference panel sessions, and a few of the lecture series.
- **An archive of opinions on Science Policy** published in various media outlets in response to the changes to the science policy landscape in Canada. Reactions to the Science Review Panel Report, Canada's incoming Chief Science Advisor, and Ontario's incoming Chief Scientist are among the new initiatives.
- Each year, the Centre disseminates **past conference content** in multiple forms, including audio and written reports. The Centre issues a post-conference proceedings booklet, which includes a summary of all discussions and audio recordings of all sessions.
- The Centre engages globally with its stakeholders through **social media platforms** including Twitter (more than 8,500 followers and 12,000 tweets), LinkedIn (more than 500 followers), and Facebook (more than 1000 followers). This enables sustained dialogue on science policy issues as they arise throughout the year.



Chief Science Advisor, Dr. Mona Nemer, Minister of Science, Hon. Kirsty Duncan, and the CSPC 2017 Volunteers

CSPC 2017 Proceedings Page

SOCIAL MEDIA PLATFORMS

8500+		Twitter Followers
5000		Newsletter Subscribers
500		LinkedIn Followers
1000+		Facebook Followers





The CSPC 2017 Evening of Celebration and Inspiration hosting 600 members of the science policy community

BUILDING A NETWORK AND COMMUNITY

Since its inception, the Centre has provided a sense of community by establishing a national network of stakeholders from various sectors, disciplines, and regions who are not directly connected to each other. Salazar and Holbrook (2007) highlights “the particular importance of networks in Canada owing to the country’s low population density, distribution of research institutions and political system.”¹

With respect to this crucial need to build networks between stakeholders across the country, Dr. Merli Tamtik, Assistant Professor at the University of Manitoba has indicated: “....Yet more research is needed in order to create a comprehensive system of policy coordination that can be adopted by policymakers. One example of an initiative to bring together government representatives, academia, and industry leaders is provided through the Canadian Science Policy Conference—a forum dedicated to building the bridge between policy experts, academia, and industry representatives.”²

BUILD TRAINING CAPACITY IN SCIENCE POLICY FOR NEXT GENERATION

The Centre has provided a unique gateway for the next generation of scientists and policymakers to enter the science policy arena. Over 500 graduate students, postdoctoral fellows, and early career professionals from various disciplines and across Canada have served on various committees that assist in the development of each year’s conference. Their engagement for each conference is usually between five months to one year, and most of them return to volunteer at the conference for several years. Through the Centre, they have been able to connect and interact in an inclusive environment, generate discussion, and gain the expertise necessary to meaningfully impact the Canadian science policy landscape. This volunteer experience provides them with their first exposure to the intersection of science and society, policy discussions, individuals organizations, etc. Many become inspired to change their career course and enter the science policy field as their career path. CSPC is an environment in which they can earn invaluable experience, learn, and contribute to building and impacting the community.

¹ Salazar, M. & Holbrook, A. (2007). *Canadian science, technology and innovation policy: The product of regional networking?* *Regional Studies*, 41(8), 1129-1141.

² Tamtik, M. (2017). *Policy coordination challenges in governments' innovation policy- The case of Ontario, Canada* (Vol. 44). Winnipeg, Manitoba, Canada: Science and Public Policy.



PIONEER NEW INSIGHTS AND HORIZONS IN SCIENCE POLICY

The Centre has been keen to be at the forefront of science policy discussions and has introduced novel topics to the Canadian science policy community. The Centre has pioneered many new concepts in Canada including:

- Science Diplomacy:** Hosting both science advisors to the past three US Secretaries of State and organizing two national symposia on science diplomacy are among the Centre's many impacts. The CBC website noted the importance of the issue and covered it in the news.³
- Evidence-Based Decision Making:** Organizing two symposia, in 2015 and 2016, and conducting numerous panel sessions on training public servants to collect, analyze, and structure evidence for decision-making, exploring methods of evidence assessment, and establishing a framework for evidence to encourage integration of science into practice. The need to hone evidence-based decision making is supported as a priority for the Canadian Government in appointing Dr. Mona Nemer as Canada's Chief Science Advisor in 2017 and was comprehensively discussed in a candid one-on-one with Dr. Nemer and Mr. Hariri at CSPC 2017.
- Diaspora Scientists:** In 2015, the inaugural CSPC Diaspora Symposium addressed the topic of diaspora scientists and their potential to strengthen international science and technology collaboration. The symposium aimed to mobilize and connect existing diaspora scientific communities in Canada, provide networking opportunities, explore the potential of diaspora scientists, and form a Canadian Network of Diaspora Scientists that would also include a database of organizations and individuals who are active in science and science policy fields. This symposium further demonstrates the Centre's commitment to equity, diversity, and inclusion in the science policy sphere.



Graphical Report of the Evidence-Based Decision Making Symposium of CSPC 2016 Illustrated by Kara Stonehouse of AHA Graphic Facilitation for the Council of Canadian Academies

LINKING SCIENCE POLICY WITH MEDIA

Through the annual conference and other organized lectures, panels, meetings and collaborations each year, the Centre is successfully fostering important discussions and amplifying these messages through media outlets such as *Science*, *Nature*, *Globe and Mail*, *CBC*, *TVO*, *CPAC*, *Hill Times*, and *iPolitics* among others.

COVERAGE BY MAINTSTREAM MEDIA

	Globe and Mail		Nature Magazine
	CBC		Science Magazine
	Ottawa Citizen		TVO
	iPolitics		Many more

³ Chung, E. (2010, October 21). *Scientists' diplomacy role must grow: panel*. Retrieved from CBC News: <http://www.cbc.ca/news/technology/scientists-diplomacy-role-must-grow-panel-1.962250>

Further befitting the significance of the Centre as an avenue for national dialogue on Canadian science and innovation policy, it has been listed and quoted extensively throughout the years across science and mainstream media outlets, both at home and abroad. An extensive list of CSPC in the media can be found in Table 3.

Examples of notable coverage include:

- iPolitics, The need for evidence-based decision making for best policy outcomes, CSPC 2016
- Science Magazine, Optimism at Canada’s annual science policy summit, CSPC 2015
- iPolitics, Scientists excited by the end of ‘decade of darkness’, CSPC 2015
- CPAC, Science and Politics Keynote Session, CSPC 2011
- CBC, Scientists Diplomacy, a role must grow, CSPC 2010
- Nature, Canadian Science Policy Centre hailed as a sign of hope of science policy in Canada, CSPC 2009
- TVO, The Agenda, one on one interview with Steve Paikin, CSPC 2009



Table 1: Past Canadian Science Policy Conference Themes

THEME	YEAR	CITY
INTERNATIONAL		
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
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
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



THEME	YEAR	CITY
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: 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
Workshop: Entrepreneurship and Career Development	2010	Montreal
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 Multidisciplinary 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



THEME	YEAR	CITY
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: Evidence-Based Decision-Making	2015	Ottawa
Workshop: Science Communication	2013	Toronto
Workshop: K* (Knowledge, Mobilization and Dissemination	2010	Montreal
ISSUES IN SCIENCE 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
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



Table 2: Past events hosted by the Canadian Science Policy Centre

EVENT	SPEAKERS	LOCATION/ DATE
<i>Lecture Series:</i> My First Five Years as Quebec's Chief Scientist: Mandates & Challenges	Dr. Remi Quirion , Quebec's Chief Scientist	Toronto April 25, 2017
<i>Panel Discussion:</i> March for Science	Moderated by Paul Dufour Kristin Baetz , President, Canadian Society for Molecular Biosciences Katie Gibbs , Executive Director, Evidence for Democracy Kathryn O'Hara , CTV Chair in Science Broadcast Journalism	Ottawa April 18, 2017
<i>Panel Discussion:</i> March for Science	Moderated by Mehrdad Hariri Dr. Imogen Coe , Dean, Faculty of Science, Ryerson University, Dr. Jim Woodgett , Director of Research, Lunenfeld Tanenbaum Research Institute Ivan Semeniuk , Science Reporter, The Globe and Mail, Margrit Eichler , President, Our Right to Know, Dan Weaver , PhD Candidate, March for Science Organizing Committee	Toronto April 18, 2017
<i>Panel Discussion:</i> Unlocking the Federal Budget for Innovation	Moderated by David Watters Ilse Treurnicht , CEO MaRS Discovery District David Wolfe , Co-Director Innovation Policy Lab	Toronto April 12, 2017
<i>Panel Discussion:</i> Innovation in the Federal Budget 2017	Moderated by Mehrdad Hariri Julie Garner , Principal Earncliffe Strategy Group Brian Cookson , President RDP Maria Papadopoulos , Director, Government Relations, Wilfrid Laurier University David Messer , Senior Director, ITACS	Waterloo April 7, 2017
<i>Lecture Series:</i> Inaugural Session, Science Advice in a Troubled World	Sir Peter Gluckman , Chief Science Advisor to the Prime Minister of New Zealand	Ottawa January 16, 2017
<i>Breakfast Session on the Hill:</i> Science Diplomacy in the 21st Century: The potential for Tomorrow	Remarks by Dr. Vaughan Turekian	Ottawa, June 21, 2016
<i>Luncheon Session:</i> A Conversation with Dr. Vaughan Turekian	Presentation by Dr. Vaughan Turekian	Ottawa, June 21, 2016
<i>Symposium:</i> Science Funding Mechanisms: International Practices and Scientific Research	Keynote by Dr. Maryann Feldman , Program Director, Science and Innovation Policy, NSF Dr. Wim van Saarloos , Director, NWO Dr. Alex Marsh , Policy Fellow, Centre for Science and Policy Dr. Alan Bernstein , President & CEO, CIFAR Dr. Chad Gaffield , Professor, University of Ottawa Dr. Jim Woodgett , Director, Lunenfeld-Tanenbaum Research Institute Dr. Daniel Sarewitz , Professor, Arizona State University Dr. Jim Davies , Professor, Western University Dr. Holly Whiteman , Assistant Professor, Université Laval	Ottawa, October 3, 2016



Table 3: Media Coverage of CSPC

CSPC 2017

'Remain vigilant': Governor General Julie Payette's warning against fake news and bogus science, **National Post**, November 1, 2017

Payette takes on climate change deniers and horoscopes at science conference, **CBC News**, November 2, 2017

Three women who shone brightly in the November gloom, **Toronto Star**, November 7, 2017

Governor General's and Science Policy Conference Message of Creating a Science-Literate Society Lost in Media Frenzy, **Space Q**, November 8, 2017

Science minister discusses progress on Naylor report, lays out priorities, **University Affairs**, November 7, 2017

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