Director's Message

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Sandra Schillo

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Dear Rafael Dezordi,

Welcome to this issue of the ISSP News,

Winter is upon us and the ISSP is having a very active year to date in research, teaching and outreach.

In research, both our @Risk and Positive Energy projects advanced considerably on conducting, mobilizing and disseminating research on risk management (@Risk) and public confidence in energy decision-making (Positive Energy). We were also delighted that our Core Member Kelly Bronson was awarded a Canada Research Chair in Science and Society (Tier II). In teaching, we are getting to know the 2018 cohort in our Collaborative Master’s program in Science, Society and Policy and are recruiting for next year. In outreach, we held one talk and two public panels on campus and organized a panel at the Canadian Science Policy Conference.

In addition, we held a very productive meeting in December with the ISSP’s Advisory Committee, which included a public panel on the global knowledge society.

2018 ended on a high note and we will be starting 2019 in earnest. Stay tuned for upcoming events and opportunities to engage with the ISSP.

Kind regards,

Monica Gattinger, PhD
Professor Sandra Schillo focuses her research on improved methodologies relating to the measurement of innovation, entrepreneurship and their impact.

Dr. Schillo has research and professional experience in the areas of science and technology, research and innovation management, and entrepreneurship. Her professional work experience includes work completed for Industry Canada and many science-based departments and agencies of the Canadian federal government.

Dr. Schillo completed her doctoral studies at the Institute for Entrepreneurship and Innovation Management, University of Kiel, Germany. She obtained her Masters' degree in Engineering Management from the University of Karlsruhe, Germany, majoring in corporate strategy and specializing in innovation management and technology transfer.
@Risk: Strengthening Canada’s Ability to Manage Risk, is a SSHRC / Genome Canada funded two-year research project (2017-2019) that focuses on how to reconcile the tensions inherent in public decision-making in situations where experts and public stakeholders have different perceptions of risk and preferences on how to mitigate risk. The research goal is to identify conceptual frameworks and mechanisms to strengthen Canada’s risk management capacity in situations where expert and lay public assessments of risk differ.

This fall, the @Risk Research Team continued turning the tremendous amount of research completed over the past 18 months into publishable outputs. Publications in the pipeline draw on both the empirical case study analyses and theoretical discussions among research team members. A final @Risk workshop to present and discuss the project’s findings is planned for May 2019. Members of the Research Team presented their work at the 2018 Canadian Science Policy Conference in Ottawa and at the Annual Meeting of the Society for Risk Analysis in New Orleans, in December 2018.

Please visit the @Risk project website, our @Risk Twitter account or contact Dr. Marisa Beck for more information.
Positive Energy uses the convening power of the university to bring together university experts and key decision-makers from industry, government, Indigenous communities, local communities and environmental organizations to determine how energy resources can be developed in a way that garners acceptance and benefits society at large. Positive Energy undertakes pragmatic, applied, solution-oriented research to find out what works, what doesn’t, and how various energy interests can seek and obtain broad social support for energy policies, regulation and individual energy projects.

Canada's Energy Future in an Age of Climate Change, the next three-year project of the Positive Energy initiative, will identify how to strengthen public confidence in energy decisions about Canada's energy future, with a particular focus on polarization, roles and responsibilities among public authorities and models of and limits to consensus-building.

Research and engagement will get underway in earnest in 2019.

Please visit our website, follow our Twitter account or contact Dr. Marisa Beck for more information.
The ISSP remains committed to developing a research stream on inclusive innovation for emerging and disruptive technologies.

While last year’s Letter of Intent to create a Network of Centres of Excellence (NCE) was not selected to move to the next stage, we are exploring other funding opportunities and means to move the project forward.

ISSP Members Kelly Bronson and Sandra Schillo, along with ISSP Senior Fellow Jeff Kinder, are organizing a series of events on inclusive innovation at the Institute on Governance, in collaboration with the ISSP. The first event was a Policy Crunch held at the IOG on November 2018. Stay tuned for more to come!
The Priorities, Policies, and Opportunities in US-Canadian Science Collaboration roundtable discussion kicked off with a presentation on U.S. science priorities and policies and opportunities for U.S.-Canadian research collaborations. An Embassy Science Fellow in Ottawa in Fall 2018, Dr. Claire Hemingway is a program director at the National Science Foundation (NSF).

At NSF she handles engagement with Canada and China and manages a new program to support international network to network collaborations. She highlighted several international programs at NSF before an open discussion on opportunities to further strengthen the robust research connections between the U.S. and Canada.

Photos are available at the event's website.
The ISSP and its members were prominent at the 2018 Canadian Science Policy Conference. At this year's conference, we organized the panel **Risk Communication and Engagement with the Public in the Nuclear, Climate and Artificial Intelligence Sectors**, alongside Mitacs Canadian Science Policy Fellows and the Johnson Shoyama Graduate School of Public Policy's Centre for the Study of Science and Innovation Policy.

For a complete list of our members' participation at CSPC 2018, please refer to the ISSP Member and Researcher Activities section below.

Photos of our participation at CSPC 2018 are available on our Facebook page.

The Institute for Science, Society and Policy was delighted to host a delegation from Northeastern University at the University of Ottawa campus to explore areas for potential research collaboration.

Dr. Monica Gattinger, Director; Dr. Marisa Beck, Research Director; Dr. Lundy Lewis, Canada/US Fulbright Visiting Research Chair in Science and Society (2018-2019) and Rafael Dezordi, Communications and Outreach Specialist, represented the ISSP.

The Northeastern Delegation featured David Luzzi, Ph.D., MBA, Senior Vice-Provost for Research and Vice-President of the Innovation Campus; Tim Leshan, Vice-President for Government Relations and Tobias Rodill, Business Development Consultant.

Follow-up meetings are planned to continue the discussions.
The Institute for Science, Society and Policy and the Royal Canadian Institute for Science were delighted to host the first panel of the second year of the ISSP-RCIScience Panel Series.

The series focuses on the impact of emerging science and technologies on society and policy. At this year’s first panel, we discussed the science, policy and societal implications of new technologies designed to allow people with disabilities to communicate and interact with the world around them.

Videos and photos are available at the event’s website.
New technologies open exciting opportunities for knowledge, research, and education to cross borders. From massive online university courses to artificial intelligence mining big data to social media - innovations like these hold a promise of progress toward a vision of a global knowledge society - one where knowledge, shared freely across the globe, becomes key to achieving sustainable development, peace, and empowerment for all.

But recently, the same tools that can bring liberation have been exposed for contributing to erosion of the cultural and political foundations of free society. The panelists discussed whether our progress toward a global knowledge society is in peril, what barriers exist to globalizing knowledge and the benefits and risks associated with living in a global knowledge society.

Videos and photos are available at the event's website.

THE ISSP COLLABORATIVE MASTER'S IN SCIENCE, SOCIETY AND POLICY

September 2018 marks the fourth year that the ISSP has been offering its collaborative Master's Program with eleven participating departments and faculties. We've continued to experience a steady rise in the number of inquiries from students and faculty members alike about the admission criteria and program requirements.

The ISSP Collaborative Master's program provides an opportunity for existing graduate students to gain additional training. To be accepted into the Collaborative Master's program, students must be admitted to one of the
participating programs at the University of Ottawa.

For more information, please contact Professor Daniel Paré, the Program Coordinator.

### ISSP Member and Researcher Activities

**Denise Amyot**, Chair of the ISSP Advisory Committee, as well as President and CEO of Colleges and Institutes Canada, moderated the Canadian Science Policy Conference panel **A two-way street: science informing policy, and policy informing science**, at CSPC 2018.

**Duane Bratt**, Case Lead Researcher of the **ISSP @Risk project**, as well as Professor and Chair, Department of Economics, Justice, and Policy Studies at Mount Royal University, was a panelist at the ISSP/Mitacs/Johnson Shoyama Graduate School of Public Policy Centre for the Study of Science and Innovation Policy panel **Risk Communication and Engagement with the Public in the Nuclear, Climate and Artificial Intelligence Sectors**, at CSPC 2018. He was also a panelist at the symposium **Risk Perception, Risk Controversies and Risk Management: Can Public Engagement with Values Strengthen Risk Management Practices?** at Society for Risk Analysis 2018, held in New Orleans, LA.

**Kelly Bronson**, Core Member of the ISSP, as well as Assistant Professor of Sociological and Anthropological Studies at the Faculty of Social Sciences of the University of Ottawa, was awarded a **Canada Research Chair in Science and Society (Tier II)**.

**Jackie Dawson**, Core Member of the ISSP, as well as an Associate Professor at the University of Ottawa and Canada Research Chair in Environment, Society and Policy (Tier II), was chosen alongside 25 other scientists from across Canada to participate in the 1st
Michelle Driedger, Case Lead Researcher of the ISSP @Risk project, as well as Professor and Graduate Program Director, Department of Community Health Sciences at the University of Manitoba, was a panelist at the symposium Risk Perception, Risk Controversies and Risk Management: Can Public Engagement with Values Strengthen Risk Management Practices? at Society for Risk Analysis 2018, held in New Orleans, LA.

Paul Dufour, Senior Fellow of the ISSP, as well as Adjunct Professor at the University of Ottawa, was the moderator of the Canadian Science Policy Conference/Le Fonds de recherche du Québec panel The many ways in which the next generation can be involved in the governance of research, at CSPC 2018.

Scott Findlay, ISSP Core Member, as well as Associate Professor, Department of Biology and Director, Graduate Studies - Institute of the Environment at the University of Ottawa, was one of the speakers at the Mitacs/Canadian Science Policy Centre breakfast panel Skills and Competencies Where Science and Policy meet, at CSPC 2018.

Monica Gattinger, Director of the ISSP, as well as Full Professor, School of Political Studies at the University of Ottawa, was the moderator of the ISSP/Mitacs/Johnson Shoyama Graduate School of Public Policy Centre for the Study of Science and Innovation Policy panel Risk Communication and Engagement with the Public in the Nuclear, Climate and Artificial Intelligence Sectors and was keynote speaker at the symposium Supporting Canada’s Energy Transition – Bridging the Gap between Fundamental Research, Industry, and Policy, both at CSPC 2018.

Yves Gingras, Member of the ISSP Advisory
Committee, as well as Professor at the Université du Québec à Montréal and Canada Research Chair in History and Sociology of Science, received the prestigious **2018 Léon-Guérin Award.**

**Rees Kassen,** ISSP Core member, as well as Full Professor, Department of Biology, University of Ottawa, spoke on *Synthetic biology: promises and perils of DIY (Do It Yourself) biology in re-writing the text of life* at **La science hors murs au XXIe siècle** colloquium, organized by the Académie française des sciences in Paris, France.

**Jeff Kinder,** Senior Fellow at the ISSP, as well as Executive Director, Science and Innovation at the Institute on Governance (IOG), was one of the panelists at the Canadian Science Policy Centre panel **Science Policy 101**, at **CSPC 2018.**

**Jennifer Kuzma,** Case Lead Researcher of the **ISSP @Risk project**, as well as Goodnight-NCGSK Foundation Distinguished Professor at the School of Public and International Affairs, North Carolina State University, was a panelist at the symposium **Risk Perception, Risk Controversies and Risk Management: Can Public Engagement with Values Strengthen Risk Management Practices?** at **Society for Risk Analysis 2018**, held in New Orleans, LA.

**Patricia Larkin,** Post-doctoral researcher and Project Manager of the **ISSP @Risk project**, was Chair and panelist at the symposium **Risk Perception, Risk Controversies and Risk Management: Can Public Engagement with Values Strengthen Risk Management Practices?** at **Society for Risk Analysis 2018**, held in New Orleans, LA.

**Lundy Lewis,** Canada/US Fulbright Visiting Research Chair in Science and Society at the ISSP, as well as Professor of Computer Information Technology, Chair of the Information Technology Department and co-chair of the Game Design and Development Program at Southern New Hampshire University, was guest
Margaret McCuaig-Johnston, Senior Fellow at the ISSP, spoke in October at a Canada-Denmark Government meeting in Copenhagen about Canada-China innovation and collaborations in the Arctic. She also spent more than two weeks in China in December, briefing Ambassador John McCallum and senior Trade officials at the Canadian Embassy in Beijing, as well as Consul General Weldon Epp and Trade officials in Shanghai. In addition, she presented on the history of Canada-China S&T relations at the December 8–9, 2018 International Conference Commemorating the 40th Anniversary of the Beginning of China’s S&T Reforms in Beijing. Margaret also participated in a three day meeting of the top eight American think tank and academic experts on China’s innovation system at Duke University in Kunshan. Finally, Margaret presented on Canada-China S&T Relations at the Shanghai Institute of Science and Technology Policy, returning the exchange with the Institute’s visit to ISSP in October.

Daniel Paré, ISSP Core Member, as well as Associate Professor, Department of Communication, and School of Information Studies, University of Ottawa, along with his colleagues Patrick McCurdy (ISSP Core Member) and Elizabeth Dubois from the Department of Communication organized an event through the Alex Trebek Forum for Dialogue on November 14, 2018. Titled, Social Media & Platform Politics: The (Un)intended Consequences for Democracy, this event hosted a panel discussion by leading international experts who opened the black box of social media platforms to examine how they function, and strategies for mitigating their unintended consequences for democracy.

Marc Saner, Inaugural Director and Core Member of the ISSP, as well as Full Professor and Chair of the Geography, Environment and Geomatics Department at the University of Ottawa, was one of the guest speakers at INGSA #3 in Tokyo, Japan. He was the rapporteur for Day 1 of the conference and gave a
presentation on SDGs, Ethics and Earth Measurement on day 2.

Dee Williams, 2017 Canada/US Fulbright Visiting Research Chair in Science and Society at the ISSP, as well as Alaska Regional Deputy Director for the United States Geological Survey (USGS), is a contributing author to a forthcoming synthesis article in Earth’s Future entitled *The Expanding Footprint of Rapid Arctic Change*. He is also actively preparing the After Action Report about the 2018 Kilauea Volcano eruption response in Hawaii.