

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Partnerships for the Sustainable Development Goals

Government-University-Industry Research Roundtable Webinar

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Mr. David Campbell, Chief Scientist at Science-Metrix, uses his quantitative and data mining expertise to develop bibliometric and other S&T indicators, as well as original analysis methods, in the conduct of studies aiming to support evidence-based policymaking in research and innovation (R&I). In addition to his contribution to the harmonization and production of bibliometric data, Campbell is responsible for data quality control. He has contributed to the implementation of a rigorous protocol to guarantee the highest quality and integrity of bibliometric deliverables.

Since 2004, Campbell has contributed to approximately 100 studies for national clients, including most research councils and federal departments in Canada. He has also contributed to studies for foreign organizations such as the European Commission and the U.S. National Science Foundation. In performing such studies, he has worked in partnerships with various groups in Europe, including ICF International, KU Leuven, Fraunhofer ISI, Technopolis and RAND Europe.

In 2015 and 2016, Campbell led the two-year development of a methodological framework to guide the design and implementation of data mining projects aimed at supporting the formulation, implementation and evaluation of R&I policies. This framework was tested on six R&I policy issues and was validated through an expert workshop. Campbell has also been instrumental in the development of novel indicators for assessing the gender dimension in research and for measuring interdisciplinarity and multidisciplinary.

Etienne Vignola-Gagné, DPhil, is a research analyst at Science-Metrix. He has 10 years of experience as an analyst of public policy, innovation systems and organizational change. He has led in-depth case studies of major biomedical innovation initiatives and policies, conducting hundreds of expert interviews with researchers, policymakers, industry representatives and others along the way.

Vignola-Gagné has conducted mandated enquiries for Canadian, German and European agencies, focused on improving public policy in areas such as patenting and innovation in genomics, changing professional trajectories in the life sciences, or issues in the bibliometric evaluation of the social sciences and humanities. He has published or co-authored scientific contributions in venues such as *Science and Public Policy*, the *Routledge Handbook of Genomics, Health and Society* or *Scientometrics*.

Dr. Livia Bizikova is the Lead for Monitoring and Governance of the Tracking Program at the International Institute for Sustainable Development (IISD). She has experience in the fields of sustainable development, scenario development, participatory planning and integrated assessment.

Bizikova works with diverse stakeholders: decision-makers at various levels; agencies including the United Nations Environment Program, the United Nations Development Program and the World Bank; and countries including Canada, Ghana, Uganda, Kenya, Mozambique, Tajikistan, China, Bangladesh, Vietnam, Honduras and Nicaragua.

Dr. Sanjeev Khagram is Dean and Director General of the Thunderbird School of Global Management at Arizona State University. He is a world-renowned scholar and practitioner in the areas of globalization, transnationalism, leadership, strategic management, entrepreneurship, social enterprise, cross-sector innovation, public-private partnerships, inter-organizational networks, good governance, transparency, the global political economy, sustainable development, human security, and the data revolution.

Khagram most recently led the establishment of the cross-sectoral Global Partnership for Sustainable Development Data and International Open Data Charter. He also previously founded and was the architect of the multi-stakeholder Global Initiative for Fiscal Transparency (GIFT). He was selected as a Young Global Leader of the World Economic Forum and authored UN Secretary General Ban Ki Moon's Report on the Impacts of the Global Economic Crisis in 2009. He was dean of the Desmond Tutu Peace Centre, Foundation and Trust from 2003-2005, and he was Senior Policy and Strategy Director at the World Commission on Dams where he was the lead writer of the Commission's widely acclaimed Final Report from 1998-2000. Khagram also founded and led Innovations for Scaling Impact – a global enterprise from 2007-2012.

He has published widely including: *Dams and Development* (Cornell University Press, 2004); *Restructuring World Politics: Transnational Social Movements, Networks and Norms* (University of Minnesota Press, 2002); *The Transnational Studies Reader* (Routledge Press, 2007); and *Open Budgets: The Political Economy of Transparency, Participation and Accountability* (Brookings Press, 2013). He's authored papers for *American Journal of Sociology*; *Global Governance*; *Annual Review of Environment and Resources*; *Harvard Business Review*; *Journal of Development Effectiveness*; *Public Administration Review*.