

Climate Choices Canada: Economics and Policy

February 18 to 20, 2016

<http://www.climatechoicescanada.ca/>

Conference Program

Balsillie School of International Affairs
Waterloo, Ontario

67 Erb St. West, Waterloo, ON



CANADA'S **ECOFISCAL** COMMISSION
Practical solutions for growing prosperity



Organizers: T. Snoddon and R. Wigle

Program at a Glance

Thursday February 18, 2016 - Rm 143

1:00–4:30 pm CIGI International Law Research Program Workshop:

What Canada Needs to Do After Paris: Climate Policy and Decision-Making

5:00–7:00 pm Conference and Workshop Welcome Reception, BSIA Foyer, cash bar

Friday February 19, 2016 - Rm 142

7:45–8:20 am Coffee and light breakfast

8:20–8:30 am Welcome and opening remarks

8:30–10:00 am Session #1: Opening Keynote Address

10:00–10:30 am Coffee Break

10:30–12:00 noon Session #2: Stock Taking Panel

12:00–1:00 pm Lunch (catered, on-site) - Rm A120

1:00–2:30 pm Session #3: Linkages and Coordination

2:30–3:00 pm Coffee Break

3:00–4:30 pm Session #4: Instrument Design and Implementation

5:30–8:30 pm Conference dinner and Keynote Address – Rm A120

Saturday February 20, 2016 - Rm 142

8:30–9:00 am Coffee and light breakfast

9:00–10:30 am Session #5: Subfederal and Sectoral Approaches

10:30–11:00 am Coffee Break

11:00–12:30 noon Session #6 Wrap-Up Panel

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Detailed Conference Program

Thursday, February 18, 2016 – Rm 143

ILRP Workshop: What Canada Needs to Do After Paris: Climate Policy and Decision-Making

1:00 - 2:30 pm Session #1

Challenges for the Post-Paris Agreement Regulatory Framework: How to Design Carbon-Reducing Legislation while Encouraging Clean Air Technology Innovation?

This Panel will discuss the advantages and disadvantages of various arrangements such as Carbon Tax, Cap and Trade, Carbon clubs and the treatment of environmental goods at the provincial and federal level with respect to competition, leakage and compatibility with international trade obligations.

Dr. Thomas J. Courchene, Professor of Economics and Financial Policy, Queens University

Thomas J Courchene is Professor Emeritus in Queen's School of Policy Studies. His research spans a wide range of Canadian public policy issues. This was recognized by the Canada Council's Molson Prize for lifetime achievement in the social sciences and honorary degrees from the universities of Western, Saskatchewan, and Regina. He is a Fellow of the Royal Society and an Officer in the Order of Canada.

Dr. Maria Panezi, Post-Doctoral Fellow with CIGI's International Law Research Program

Dr. Panezi is a post-doctoral fellow with CIGI's International Law Research Program. She holds a Ph.D. in Law from Osgoode Hall Law School at York University, where she was a Nathanson Fellow and a Comparative Law and Political Economy Fellow. Her doctoral dissertation is titled, *Through the Looking Glass: Transparency in the WTO*. She received her first law degree from Athens University in Greece, and was called to the Athens Bar. She has published articles on issues related to public international law and was a W. C. Langley Scholar of International Legal Studies at New York University School of Law, where she received her LL.M. Maria has been an adjunct professor at Osgoode Hall Law School and has taught ethical lawyering in a global community as well as law and economics, for which she received the Ian Greene Award for Teaching Excellence. She has also been a visiting scholar at Harvard Law School and the Fletcher School of Law and Diplomacy.

Dr. Mark Jaccard, Simon Fraser University

Dr. Jaccard is internationally recognized for his research into the design and application of energy-economy models to assess the effectiveness and cost of sustainable energy policies. He was an author on the Intergovernmental Panel on Climate Change's 2011 Special Report on Renewables. Dr. Jaccard advises energy and environment policy makers around the world. He

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served for over a decade as an international expert with the China Council for International Cooperation on Environment and Development, including co-chairing the 2009 task force on sustainable use of coal. His book, *Sustainable Fossil Fuels* (2006), won the Donner Prize for top policy book in Canada. and graduate students.

Dr. Simon Dalby, Wilfrid Laurier University and the Balsillie School of International Affairs

Dr. Dalby is a CIGI Chair in the Political Economy of Climate Change and Professor of Geography and Environmental Studies. He is an expert scholar in the areas of climate change, political ecology, geopolitics, global security, environmental change, militarization and the spatial dimensions of governance.

3:00 - 4:30 pm Session #2

Climatizing Government Policy, Procedures and Decisions

This session will explore the following themes: the need and the means to engage and leverage Canadian public concern for a better climate; establishing independent oversight mechanisms to better achieve carbon emission targets and reductions; and identifying processes to climatize government policy making, programs and spending.

Mr. David Estrin, Senior Research Fellow, CIGI International Law Research Program and Certified Environmental Law Specialist

Mr. Estrin is regarded as Canada's senior environmental law specialist and is an experienced environmental litigator. He was an associate professor for 13 years at the University of Waterloo's then Faculty of Environmental Studies where he taught environmental and resources law as well as land use planning. He is currently an adjunct professor at Osgoode Hall Law School where he co-leads the Environmental Justice and Sustainability Law Clinic. Much of his academic teaching as well as litigation cases have focused on environmental assessment and other mechanisms for wiser and more sustainable policy making and project approvals. He is immediate past chair of the International Bar Association's Environment Committee, and recently co-chaired the IBA Presidential Task Force on Climate Change Justice and Human Rights. The Task report, *Achieving Justice and Human Rights in an Era of Climate Disruption*, was released in 2014 and has been widely commended. He is currently co-chair of an IBA expert working group drafting a Model Climate Change Remedies Statute.

Dr. Robert B. Gibson, Professor, School of Environment, Resources and Sustainability, University of Waterloo

Bob has worked mostly on environmental and sustainability policy issues. His research and writing have centred on decision-making successes and failures in environmental planning, assessment and regulation in various Canadian jurisdictions and on the emerging design and practice of sustainability assessment. He teaches courses on sustainability in a complex world, environmental assessment law and process, and the development of environmental thought (broadly defined). Since 1984, he has been co-editor, editor, and now editorial board chair, of

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the Canadian environmental journal, *Alternatives Journal*. He also writes a column for *Alternative Journal*. It is called, “What’s the Big Idea?”

Mark S. Winfield, Ph.D., Associate Professor, Faculty of Environmental Studies, York University

Dr. Winfield is an Associate Professor of Environmental Studies at York University, co-Chair of the Faculty's Sustainable Energy Initiative, and Coordinator of the Joint Master of Environmental Studies/Juris Doctor program offered in conjunction with Osgoode Hall Law School. Prior to joining York University Professor Winfield was Program Director with the Pembina Institute and prior to that Director of Research with the Canadian Institute for Environmental Law and Policy. He has published articles, book chapters and reports on a wide range of environmental and energy law and policy topics. His new book, *Blue-Green Province: The Environment and Political Economy of Ontario* was published in 2012.

Erik Davies, Environmental Assessment Policy Advisor and Practitioner, CIGI

Mr. Davies is the interim manager of strategic initiatives and special projects at CIGI. In addition to his role managing strategic direction of programs, Erik is also an expert in environmental assessment policy.

Laura Zizzo, Climate Lawyer; Founder and CEO Zizzo Strategy Inc.

Ms. Zizzo is a lawyer and strategic advisor with over a decade of experience leading organizations towards a low-carbon and climate-adapted future through the application of law and policy. Laura started her legal career with a prominent Bay Street law firm before founding the first law firm in Canada focused on climate change in 2009. In 2015 she founded a strategic consultancy focused on advising public and private sector clients on climate risks. She is a frequent writer and speaker on the move to the low-carbon economy and has become a leading voice on the legal imperative to adapt to climate change. Laura has contributed to numerous research and policy papers on legal liability related to climate change adaptation, the use of existing legal mechanisms to address climate change, and the role of markets and flexibility mechanisms in driving emissions reductions. She is co-founder of the Climate Change Lawyers Network, a member of the International Union for the Conservation of Nature (IUCN) committee on Environmental Law, an executive member of the Ontario Bar Association’s Environmental Law section and is a volunteer presenter for The Climate Reality Project. She has a degree in Environmental Studies from the University of Waterloo and a law degree from the University of Toronto. Laura is called to the Bar of Ontario.

5:00–7:00 pm Conference and Workshop Welcome Reception, BSIA foyer, cash bar

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Friday February 19, 2016 – Rm 142

7:45–8:20 am Coffee and light breakfast

8:20–8:30 am Welcome and opening remarks Randall Wigle

8:30–10:00 am Session #1: Opening Keynote Address

Keynote Introduction: Tracy Snoddon

Keynote Speaker: David McLaughlin, Principal of David McLaughlin Consulting

Red Flags for Green Targets: The New and Same Climate for Canadian Climate Policy

Mr. McLaughlin was the former president and CEO of the National Round Table on the Environment and the Economy (NRTEE) from 2007 to 2012. He helped establish the NRTEE as a neutral and trusted convener on sustainable development. A leading public policy expert in Canada, Mr. McLaughlin has worked for prime ministers, premiers, and ministers as a chief of staff and deputy minister at both the federal and provincial levels of government. He regularly publishes in the Globe and Mail, the Huffington Post, the Toronto Star, Macleans, CBC, and Postmedia.

10:00–10:30 am Coffee Break

10:30–12:00 noon Session #2: Stock Taking Panel

Session Chair: Simon Dalby

The panel will identify the key challenges, opportunities and constraints for climate policy to be discussed over the course of the conference. Special attention will be given to the recent federal election and the Paris talks as these events will shape, and possibly constrain, Canada's climate policy choices in the future.

Speakers:

Dr. James Meadowcroft, Carleton University

Dr. Meadowcroft is a Canada Research Chair in Governance for Sustainable Development and a professor in both the School of Public Policy and Administration and the Political Science Department at Carleton University. His research focuses on the ways in which governments are adjusting their practices and policies to cope with the emergence of problems of the environment and sustainable development. He has written on environmental politics and policy, democratic participation and deliberative democracy, national sustainable development strategies, and socio-technical transitions. Recent work deals with sustainable energy policy and climate mitigation technologies such as carbon capture and storage.

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Dr. Mark Jaccard, Simon Fraser University

Dr. Jaccard is internationally recognized for his research into the design and application of energy-economy models to assess the effectiveness and cost of sustainable energy policies. He was an author on the Intergovernmental Panel on Climate Change's 2011 Special Report on Renewables. Dr. Jaccard advises energy and environment policy makers around the world. He served for over a decade as an international expert with the China Council for International Cooperation on Environment and Development, including co-chairing the 2009 task force on sustainable use of coal. His book, *Sustainable Fossil Fuels* (2006), won the Donner Prize for top policy book in Canada.

Mel Cappe, University of Toronto

Mr. Cappe is a Professor in the School of Public Policy and Governance at the University of Toronto. He has had a long and distinguished career in the federal public service and as a leading policy thinker. He served as President of the Institute for Research on Public Policy from 2006 to 2011. Prior to that, he served in a variety of high level public service roles including High Commissioner for Canada to the United Kingdom, Clerk of the Privy Council, Deputy Secretary to the Treasury Board, and Deputy Minister of the Environment. Mr. Cappe has been an Officer of the Order of Canada since 2009.

12:00–1:00 pm Lunch (catered, on-site) - Rm A120

1:00–2:30 pm Session #3: Linkages and Coordination

Session Chair: Ian Rowlands

There are opportunities and challenges to implementing effective climate policy in the Canadian federation. Challenges arise from the potential interactions and conflicts of policy actions among levels of governments and non-state actors. Such interactions may reduce the effectiveness of policies, increase the costs of reducing emissions, and increase administration and compliance costs. However, the multi- governance, multi-instrument environment also presents opportunities for enhanced flexibility, policy experimentation and learning. This session explores issues relating to the coordination and linkage of climate policies in Canada, including insights from the evolving US experience with implementation of the Clean Power Plan and the feasibility of different coordination mechanisms such as equivalency agreements.

Speakers:

Dr. Barry Rabe, University of Michigan

Climate Coordination in the New Era of American Policy

Dr. Rabe is the J. Ira and Nicki Harris Professor of Public Policy at the Gerald R. Ford School of Public Policy at the University of Michigan. He is the director of the Center for Local, State, and Urban Policy (CLOSUP) at the Ford School and also co-directs the National Surveys on Energy and Environment. Barry is currently a public policy scholar at the

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Woodrow Wilson International Center for Scholars in Washington. His current research examines the political feasibility and policy durability of carbon pricing.

Dr. Mark Winfield, York University

Interactions between Carbon Pricing Policies and Electricity Regulation (tentative)

Dr. Winfield is an Associate Professor in the Faculty of Environmental Studies at York University and author of *Blue-Green Province: The Environment and the Political Economy of Ontario*. He has worked extensively on electricity policy issues in Ontario, examining the potential contributions of energy efficiency and low-impact renewable energy sources to the province's electricity system. Dr. Winfield has undertaken extensive comparative analyses of Canadian energy policy in these areas relative to leading jurisdictions in the United States and European Union.

Dr. Paul Boothe, Western University

Making Federal-Provincial Climate Change Collaboration Work

Dr. Boothe currently serves as Director of the Lawrence National Centre for Policy and Management at the University of Western Ontario. His career has included university research and teaching, acting as an independent consultant to Canadian and international organizations, and serving at the deputy minister level in provincial and federal Governments. He served as Deputy Minister with Environment Canada from 2010 to 2012. He has authored numerous publications in the areas of macroeconomics, international finance, debt management and public finance.

2:30–3:00 pm Coffee Break

3:00–4:30 pm Session #4: Instrument Design and Implementation

Session Chair: Sarah Burch

This session will look into the choices to be faced in terms of either choosing instruments or designing their implementation. A key issue is the possibility of interactions among instruments. One of the questions has become the extent to which the 'key' instrument should augment or replace other instruments. One particular body of relevant experience is in the EU with the ETS.

Speakers:

Dr. Miranda Schreurs, Freie Universität Berlin

Climate Change in Multi-level Governance Systems: The Potential for Lesson Drawing between the EU, Germany and Canada

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Dr. Schreurs is the director of the Environmental Policy Research Centre and Professor of Comparative Politics at the Freie Universität Berlin. Her work focuses on comparative environmental politics and policy in Europe, the United States and Canada, and East Asia. Dr. Schreurs has published numerous books and journal articles on climate policy, renewable energy cooperation, ethics and nuclear energy policy, and environmental politics. She has also served on a number of high level international and national advisory boards, including the European Environment and Sustainable Development Advisory Councils and the German Ethics Commission on a Safe Energy Supply and the Berlin Climate Change Advisory Council.

Dr. Nathalie Chalifour, University of Ottawa

Climate Policy in the Canadian Federalism – Options for a National Approach

Dr. Chalifour is an Associate Professor in the Faculty of Law and co-director of the Centre for Environmental Law and Global Sustainability at the University of Ottawa. She is also cross-appointed to the Institute of the Environment, where she directs the interdisciplinary graduate Environmental Sustainability Program. Dr. Chalifour has published numerous articles which address a variety of topics, including carbon taxes, social justice, ecological fiscal reform, sustainable forestry, brownfields redevelopment, and the effects of trade liberalization on nature conservation. Her research is interdisciplinary and focuses on the intersections between the environment, the economy, and environmental and social justice.

Dr. Nic Rivers, University of Ottawa

Climate policy in a federation: Interactions between provincial and federal climate policies

Dr. Rivers earned his PhD in Resource and Environmental Management at Simon Fraser University and was awarded a CRC in Climate and Energy Policy both in 2011. His research focuses on the economic evaluation of environmental policies, and has been published in economics and energy journals as well as in other popular publications. Dr. Rivers has worked for all levels of government, industry, and non- governmental organizations as a consultant on issues related to energy efficiency and climate change program evaluation, policy analysis and development, and economic modelling.

5:30-8:30 pm Conference dinner and Keynote Address - Rm A120

Conference dinner begins promptly at 6pm; Cash bar opens at 5:30 pm.

Keynote Introduction: Randall Wigle

Keynote Speaker: Dr. Mark Jaccard, Simon Fraser University

How do we get effective and efficient climate policy?

Effective climate policy is almost certain to impose some costs (real and perceived) on some people. And with most benefits uncertain (since the whole planet must act) and mostly distant

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in time, climate policy will never be a political winner. This talk combines evidence from technological innovation, behavioral economics and political science to suggest climate policy attributes that might enable a workable balance between policy effectiveness, economic efficiency and political acceptability.

Saturday February 20, 2016 - Rm 142

8:30–9:00 am Coffee and light breakfast

9:00–10:30 am Session #5: Subfederal and Sectoral Approaches

Session Chair: Aviva Silburt

There is a potentially key role for actions by provinces, municipalities as well as non-state actors, perhaps organized around some sector. This session will attempt to identify the challenges to the effectiveness of such approaches and identify ways to leverage them further or avoid policies that thwart their contributions.

Speakers:

Dr. Sarah Burch, University of Waterloo

Climate change as a catalyst for sustainability transitions in cities: a multi-level governance challenge

Dr. Burch's research focuses on governing responses to climate change (both adaptation and mitigation) in urban spaces. She explores triggers of transitions toward more sustainable development pathways and examines how unique partnerships between the public and private sector may serve to transform regional development paths and mitigate climate change. Dr. Burch serves as the North American coordinator of the Earth System Governance Project.

Dr. David Houle, University of Michigan

Are Subnational Carbon Markets Transformative? Pathways for Further Development

Dr. Houle is a SSHRC postdoctoral fellow associated with the Center for Local, State, and Urban Policy (CLOSUP) at the University of Michigan Gerald R. Ford School of Public Policy. He completed his PhD in political science and environmental studies at the University of Toronto. His main area of research is subnational climate change policy in North America, especially carbon pricing in the provinces and states. David's research has been recently featured in *Global Environmental Politics* (MIT Press) and the *Journal of Public Policy* (Cambridge University Press). He is also the co-founder of the Quebec Carbon Institute.

Dr. Jason Thistlethwaite, University of Waterloo

Sustaining Insurance in the Era of Climate Change

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Jason's research focuses on the financial risks of climate change, natural disasters and extreme weather. His recent work explores the role of insurance and government risk-transfer in promoting climate change adaptation and reducing economic vulnerability at the local level. To inform this work, he has worked directly with business and government leaders in the insurance, banking, real estate, building, and investment industries. This research has been published in numerous academic and industry journals and is supported by government and private sector funding. Jason is also a frequent speaker, media contributor on Canada's growing vulnerability to extreme weather, and a self-described "weather geek".

10:30–11:00 am Coffee Break

11:00–12:30 pm Session #6 Wrap-Up Panel

Session Chair: James Meadowcroft

Drawing together key insights and lessons from the conference, this session will make recommendations to help guide future policy developments. The session will also identify the most pressing knowledge gaps and untapped opportunities, helping to set the course for climate policy research in the near term.

Speakers:

Dr. Simon Dalby, Wilfrid Laurier University and the Balsillie School of International Affairs

Dr. Dalby is a CIGI Chair in the Political Economy of Climate Change and Professor of Geography and Environmental Studies. He is an expert scholar in the areas of climate change, political ecology, geopolitics, global security, environmental change, militarization and the spatial dimensions of governance.

Dale Beugin, Research Director, Ecofiscal Commission

Mr. Beugin leads Ecofiscal's research team in developing analysis, insight, and policy recommendations on environment-economy issues. He is also an Associate at the International Institute for Sustainable Development (IISD) and Principal of Sky Curve Consulting, specializing in environmental policy and economics. As a consultant, Dale has provided analysis and support to a diverse range of clients including the National Round Table on the Environment and the Economy (NRTEE), Natural Resources Canada, Environment Canada, Industry Canada, multiple provincial governments, the World Bank, and the Environmental Commissioner of Ontario.

Dr. Randall Wigle, Lazaridis School of Business and Economics and the Balsillie School of International Affairs

Dr. Wigle has published widely on topics in the areas of international trade policy and environmental economics. His recent work has focused on Canadian climate policy, especially the linkages between federal and provincial action.

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