



Carbon Pricing Leadership Coalition Research Conference

Date: 14–15 February, 2019

Venue: India Habitat Centre, Lodhi Road, New Delhi, India



Learning from Experience



Carbon Pricing Design



Concepts and Methods



Political Economy



Decarbonizing the Economy



Emerging Frontiers

CONTEXT

Powerful options are needed to achieve the large-scale emission reductions required under the Paris Agreement. Putting a price on carbon pollution is one of the most potent and efficient strategies governments and corporations can use to reduce carbon emissions and combat climate change. As of 2018, 88 countries are considering use of carbon pricing initiatives as part of their [Nationally Determined Contributions](#) (NDCs), through emissions trading within or across borders, international crediting, carbon taxation, and other measures.

Over the past several years, we have seen a [proliferation of carbon pricing approaches around the world](#) and an increase in the diversity of such approaches. Research has underpinned much of the progress made to date and helped understand, *inter alia*, design features of carbon pricing instruments; success factors for effective implementation; ways to address market and competitive distortions; and the role and alignment of companion policies. In addition, a growing body of experience and data is accumulating from the operation and modelling of different carbon pricing approaches, from which much can be learned. The application of carbon pricing instruments has revealed new or persistent challenges around market stability and liquidity; managing transitions and impacts in relation to carbon intensive sectors and communities; addressing overlapping policies; combining carbon pricing instruments; expanding the scope of carbon pricing to various heterogeneous sectors of the economy; and adjusting system designs over time to realize committed ambition levels.

Research and analysis can serve as the lynchpins for effective carbon pricing design and implementation. With the goal to strengthen the knowledge base on carbon pricing and foster an improved understanding of the evolving challenges to its successful application, the CPLC is convening researchers, practitioners, and interested stakeholders at a **CPLC Research Conference** on February 14–15, 2019, in New Delhi, India. Leveraging its high-level membership of governments, the private sector, and civil society organizations, CPLC will draw on outcomes of this conference to help bridge the existing gap between theory and practice, and to inform future decisions taken by policy makers and corporate leaders.

The [Carbon Pricing Leadership Coalition](#) (CPLC)—hosted by the World Bank Group—was established to provide a forum for collaborative personal and organizational leadership on carbon pricing. It aims to foster bold leadership on many levels—by governments, companies, and the academic and NGO communities—to drive action and collaboration to implement effective carbon pricing policies and bring an increasing share of global emissions under a carbon pricing instrument.

CONFERENCE OBJECTIVES

The CPLC Research Conference aims to:

- Bring together scientists, researchers, practitioners, and policy makers within the carbon pricing space to take stock of the knowledge base and strengthen understanding of emerging trends in carbon pricing;
- Strengthen understanding of the evolving challenges to successful application of carbon pricing initiatives; and
- Identify areas of possible collaboration and issues requiring further reflection and research.

STRUCTURE AND FORMAT

The two-day Conference is structured around six central themes: (1) *Learning from Experience*, (2) *Carbon Pricing Design*, (3) *Concepts and Methods*, (4) *Political Economy*, (5) *Decarbonizing the Economy*, and (6) *Emerging Frontiers*. Each day will feature plenary sessions with leading experts, as well as concurrent sessions covering the six themes. Day 1 is dedicated to themes 1–3 and Day 2 is dedicated to themes 4–6. Sessions will consist of presentations from a combination of leading researchers as well as young and emerging academics in the carbon pricing practice.

PROGRAM AGENDA
DAY 1 | February 14, 2019

TIME	SESSION		SPEAKERS
8:00	REGISTRATION		
9:00	INAUGURAL SESSION—[STEIN AUDITORIUM]		
9:00	Welcome Remarks		John Roome , World Bank Gérard Mestrallet , CPLC High-Level Assembly Co-Chair
9:20	Keynote Address		Lord Nicholas Stern , London School of Economics
9:40	Opening Panel Panel discussion on the importance of research and evidence for effective carbon pricing design and implementation Chair: Susanne Åkerfeldt , Ministry of Finance, Sweden		Mahendra Singhi , Dalmia Cement VK Duggal , Asian Development Bank Sergey Paltsev , Massachusetts Institute of Technology Robert N. Stavins , Harvard University
10:40	CPLC Secretariat Messages Conference Co-Chair Messages and Context-Setting		Angela Naneu Churie Kallhauge , CPLC Secretariat Andrei Marcu , European Roundtable on Climate and Sustainable Transition Michael Mehling , Massachusetts Institute of Technology
11:00	BREAK		
11:30–13:00	Morning Sessions Concurrent Sessions for Themes 1–3		
	Theme 1: Learning from Experience [Silver Oak 1] Chair: Malin Ahlberg	Theme 2: Carbon Pricing Design—Subnational and Corporate Perspectives [Silver Oak 2] Chair: Anirban Ghosh	Theme 3: Concepts and Methods—Theory, Assessment, and Performance Review [Amaltas] Chair: Rachael Jonassen
	William Acworth Emissions Trading around the World: A Status Update	John Byrd Internal Carbon Pricing and Carbon Emission Reductions: An Analysis of Early and Second Round Adopters versus Non-Adopters	Naina Khandelwal Estimating Effective Carbon Prices at the Sector and National Level: Taking into Account Fossil Fuel Subsidies

11:30–13:00	<p>Ryan Rafaty Has Pricing Carbon Reduced Aggregate Emissions? Evidence from 25 OECD Countries</p>	<p>Jivahn Moradian A Proposal for a Carbon Fee and Dividend Policy in the State of New Jersey</p>	<p>Shiran Victoria Shen Pricing Carbon to Contain Violence</p>
	<p>Robert N. Stavins Lessons Learned from 30 Years of Experience with Cap-and-Trade Systems</p>	<p>Martin Rabbia Patterns of Electricity Consumption and Carbon Pricing in Subnational Jurisdictions in Argentina</p>	<p>Sachintha Fernando The Environmental Effectiveness of Carbon Taxes: A Comparative Case Study of the Nordic Experience</p>
13:00	LUNCH		
14:00–15:00	<p>Afternoon Sessions Concurrent sessions for Themes 2–3 (continued)</p>		
	<p>Theme 1: Learning from Experience [Silver Oak 1] Chair: William Acworth</p>	<p>Theme 2: Carbon Pricing Design—International and Conceptual Perspectives [Silver Oak 2] Chair: Robert N. Stavins</p>	<p>Theme 3: Concepts and Methods—Carbon Pricing and the Private Sector [Amaltas] Chair: Grzegorz Peszko</p>
	<p>Susanne Åkerfeldt An Update on Work on Carbon Taxation within the UN Committee</p>	<p>Alexander Golub Theoretical Analysis of a Twin Deferral Strategy and the Risk-Adjusted Price of Carbon</p>	<p>Gautham Prabhu Carbon Pricing Risk Premium: Theory and Concepts, with Live Demonstration</p>
	<p>Luisa Dressler The Use of Revenue from Carbon Pricing</p>	<p>Meriem Hamdi-Cherif Global Carbon Pricing: When and What Flexibilities Revisited in a Second-best Framework</p>	<p>Damandeep Singh Lessons Learned from Carbon Pricing Disclosure in CDP Data</p>
	<p>Jens Ewald Carbon Tax in the Building Sector: A Comparison of European Countries</p>	<p>Arjuna Dibley and Rolando Garcia Miron Creating a Climate for Change? Carbon Pricing and Long-Term Policy Reform in México</p>	<p>Aditi Maheshwari Construction Value Chain: A Practical Application Perspective</p>
15:00–16:00	<p>Conversation on Article 6: Lessons from Katowice Abdelrahman M. Al-Gwaiz, Ministry of Energy, Industry and Mineral Res., Saudi Arabia VK Duggal, Asian Development Bank (ADB) Dirk Forrister, International Emissions Trading Association (IETA) Nathaniel Keohane, Environmental Defense Fund (EDF) Chair: Andrei Marcu, European Roundtable on Climate and Sustainable Transition</p>		
16:00	BREAK		
16:30–17:30	PLENARY — [STEIN AUDITORIUM]		
	<p>Roundup Session Reporting back and reflecting on the day’s discussions and their relevance for decision making in policy and practice</p>		<p>Designated Rapporteurs, facilitated by the Conference Co-Chairs</p>
17:30	ADJOURN		
18:30	RECEPTION		

DAY 2 | February 15, 2019

TIME	SESSION	SPEAKERS	
8:00	REGISTRATION		
9:00	PLENARY — [STEIN AUDITORIUM]		
9:00–10:00	Carbon Pricing in Practice: Experiences from Around the World with updates on: <ul style="list-style-type: none"> World Bank efforts to build market readiness Acceptance of the Swedish carbon tax Canada's experience with carbon pricing Latin American experiences with carbon taxation Carbon pricing and the private sector in India Chair: Michael Mehling , MIT	Vivek Adhia , WRI India Susanne Åkerfeldt , Ministry of Finance, Sweden Enrique Lendo Fuentes , CPLC Steering Committee, Mexico Jackie Mercer , Government of Canada Venkata Putti , World Bank	
10:00	Setting the Context for Themes 4–6	Conference Co-Chairs	
10:30	BREAK		
11:00–12:30	Morning Sessions Concurrent sessions for Themes 4–6		
	Theme 4: Political Economy: Distributional Effects, Political Acceptance, Revenue Use [Silver Oak 1] Chair: Andrei Marcu	Theme 5: Decarbonizing the Economy: Carbon Pricing and Development [Silver Oak 2] Chair: Emilio Lèbre La Rovere	Theme 6: Emerging Frontiers [Amaltas] Chair: Michael Mehling
	Ryan Rafaty Making Carbon Pricing Work for Citizens	Rachel Cleetus Carbon Pricing Design Options to Address Co-Pollutant Hotspots	Tamiksha Singh Preparing India for Future Carbon Markets Building on India's PAT and REC Schemes for the Post-2020 Markets
	Kerstin Burghaus Lobbying, Relocation Risk and Allocation of Free Allowances in the EU ETS	Michael Flaherty Financing Low-Carbon Transitions through Carbon Pricing and Green Bonds	Johannes Ackva Comparative Analysis of the Stringency of Heterogenous Carbon Pricing Instruments: An Applied Approach
	Gabriela Mundaca Carbon Pricing to Reduce Carbon Emissions from International Goods Transport	Martin Burian Leveraging Private Sector Investment in Energy Efficiency: Pilot Case Studies of Selected African Countries	Henrique Schneider Blockchain and Double Counting
12:30	LUNCH		

13:30	PLENARY — [STEIN AUDITORIUM]		
	Carbon Pricing and Air Quality Marta Martinez Sanchez , Iberdrola Annela Anger-Kraavi , University of Cambridge and Climate Strategies Chair: Angela Naneu Churie Kallhauge , CPLC Secretariat		
	Afternoon Sessions Concurrent sessions for Themes 4–6		
	Theme 4: Political Economy—Distributional Effects, Political Acceptance, Revenue Use [Silver Oak 1] Chair: Susanne Åkerfeldt	Theme 5: Decarbonizing the Economy—Policy Choice and Interactions [Silver Oak 2] Chair: Rachael Jonassen	Theme 6: Emerging Frontiers [Amaltas] Chair: Malin Ahlberg
14:30–16:00	Sergey Chestnoy Global Carbon Pricing as a Mechanism to Strengthen Competitiveness and Reduce GHG in Energy-intensive Trade-exposed Sectors	Daniela Gutiérrez Torres Interaction between the Carbon Tax and Renewable Energy Support Schemes in Colombia: Complementary or Overlapping?	Grzegorz Peszko Carbon Taxes that even Fuel Exporters Could Like
	Brian Walsh Making carbon taxes pro-poor using cash transfers in Latin America	William Acworth Emissions Trading and Electricity Sector Regulation: A Conceptual Framework for Understanding Interaction between Carbon Prices and Electricity Prices	Ruben Lubowski Estimating the Power of International Carbon Markets to Increase Ambition
	Nathaniel Keohane Competitiveness of Emissions-intensive Trade-exposed Sectors in Canada	Peter Janoska Carbon pricing and the energy sector: optimizing policy packages	Stuart Evans Australia–EU ETS Linking Negotiations: Lessons for the Post-Paris World
16:00	BREAK		
16:30	PLENARY — [STEIN AUDITORIUM]		
16:30–17:00	Roundup Session Reporting back and reflecting on the day’s discussions and their relevance for decision making in policy and practice		Designated Rapporteurs , facilitated by the Conference Co-Chairs
17:00–18:00	Closing Plenary Panel discussion on the key takeaways from the conference, their relevance for decision making, issues requiring further reflection, and possible directions for future research Facilitated by Andrei Marcu , European Roundtable on Climate and Sustainable Transition, and Michael Mehling , Massachusetts Institute of Technology Message from Chile on the Road to COP25		Ajay Mathur , The Energy and Resources Institute (TERI) Tomasz Chruszczow , Ministry of Environment, Poland David Hone , Shell International Juan Angulo , Embassy of Chile
18:00	CONFERENCE CLOSE		
	Closing Remarks		John Roome , World Bank

