

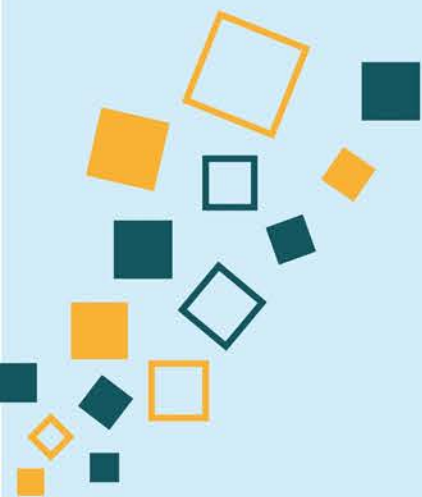
Theme 3 / Integrative strategies – realizing transformations through the successful implementation of climate policy

Thème 3 / Les stratégies intégratives – réaliser les transformations par la mise en œuvre réussie de politiques climatiques



STRATEGIC DIALOGUE ON CLIMATE CHANGE POLICY RESEARCH IN CANADA

RECHERCHE EN POLITIQUES CLIMATIQUES AU CANADA : UN ATELIER-DIALOGUE STRATÉGIQUE



IVEY foundation





Ground Rules

- Chatham House rule
- Schedule will be enforced
- Meeting etiquette: raise hand, mute mic, short intervention
- Don't forget online discussions
- Territory Acknowledgement : <http://native-land.ca>



Consignes

- Règles de *Chatham House*
- L'horaire sera respecté avec précision
- Étiquette de la rencontre: levez votre main (virtuellement), coupez votre micro et faites des interventions courtes
- N'oubliez pas les discussions en ligne
- Reconnaissance des territoires: <http://native-land.ca>



Workshop Objectives



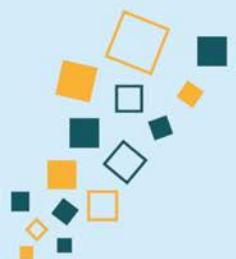
- Foster **constructive dialogue** on critical climate choices facing Canada
- Identify **research priorities**, opportunities for **collaboration**, and **knowledge gaps** in Canada's climate change research and policy landscape
- Help **inform the research agenda** for the Canadian Institute for Climate Choices
- Identify **opportunities for complementary research** across organizations
- **Strengthen relationships** among top climate policy researchers and thinkers across Canada



Objectives for this discussion



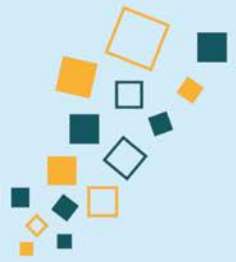
- Identifying key **research questions**
- **Identifying short-term actions**
 - build on existing research results
 - build on on-going research
 - research questions for which multidisciplinary teams are already in place
 - ...
- **Identify links to natural resources**



Agenda



Duration	Activity	Purpose/Objective
15 min	Group discussions summary	<ul style="list-style-type: none">• Present main outcomes from each group
30 min	Breakout	<ul style="list-style-type: none">• Use outcomes to frame a discussion around natural resources sector.
45 min	Plenary	<ul style="list-style-type: none">• Identify main discussion points• Draft a list of research gaps• Propose natural resources-related issues for Forum breakout discussion
15 min	Conclusion	<ul style="list-style-type: none">• final round of comments• emerging elements• next steps



Discussions summary /1



Gaps in knowledge

- Still many unknown on emerging technologies like cost/potential of operationalization
- Empirical understanding of the limits of adaptation - what impacts can and can't be mitigated through certain adaptation strategies?
- Behavioural response to technology, risk, incentives?

Assessing/Measuring/Reporting

- How to measure and to communicate risks to various groups in the population?
- How to show and report progress – especially when visible effects are not immediate?
- Which criteria to use in investment prioritization?
 - Technological R&D / Infrastructure deployment / Incentives
- Equity mapping: impact of mitigation and adaptation actions on socioeconomic indicators.



Discussions summary /2



Governance

- « There is no one size fits all here. »
- The federal backstop approach on carbon : is that an approach to explore more broadly?
- Should we think of similar approach within the federal government itself? Or some other mechanism to ensure coherence within the structure?

Regulation

- Focus on the goals, do not impose technologies/solutions
- Develop strategies that are more than simply costs or regulation
 - Need integrated approach including regulation, incentives, costs, training, horizon, etc.

Norms

- Beyond policies and finance, a lot of constraints are imposed by various norms develop by organisation such as IEEE and that greatly limit innovation and transformation. There is a need to assess their impact and see how to circumvent these.
 - Innovation sandboxes?



Discussions summary /3



Think by sector to develop integrated strategy (technology, finance, behavior)

- « Multiple ways to look at a sector: protect, adjust or transform. Need to look at alternatives to the “protect” perspective »
- What is the best strategy sector by sector?
- Start with those that are technology ready?
 - Buildings?
 - Transport?

Technologies

- See resources not only as a source of emissions, but think how they can be part of a solution. (e.g. Bitumen Beyond Combustion)
- Need a strategic approach for CCS: recognize where it has potential worth investing

Transforming investments

- More investigation on the role of green bonds
- Should RRSP and Tax-Free Savings Account impose green investments?
- Redesign SR&ED program with decarbonization in mind?



Discussions summary /4



The role of banks

- Can changing the rules for evaluating/financing projects be transformative?
 - Imposing total cost of ownership (e.g. assessing cost of cars when moving in suburbs)
 - Forcing banks to include mitigation/adaption risks when analysing business demands
- Need more study on the potential impact and how best to develop guidelines

Adaptation + Mitigation

- « Adaptation and mitigation should be framed as two sides of a line - adaptation is to help protect those who are already being affected by climate change and mitigation is to protect those that are not yet experiencing these »
- « Adaptation is local, so the benefits and value are often felt locally. Mitigation is global; certain provinces may feel like they've done their part »
- « All of our efforts need to have both goals in mind, but it may be easier to achieve each of them if they are pursued separately. »



Discussions summary /5



Need to be creative

- « CICC can do some of the creative thinking that is difficult to do in government or business. »

New narrative

- Could adaptation be a more unifying issue than mitigation?
- Should it all be framed as a health issue?

Canada as a champion

- « What do we want to be when we grow up? »
- Do we want to be champions, leaders, and innovators – and how does climate change integrate with that?
- How to develop strategies and efforts that could also impact/spill out in the rest of the world?
 - Research should focus on these « lever » approaches.

COVID-19

- The approach taken to manage the COVID-19 is almost completely opposite to the standard strategy pushed that the transition thinking and, yet, it has delivered transformations on a scale that many thought unreachable. What we can be learn from this remarkable example? It is essential to look at that.



Breakout



Natural Resources



Plenary



- Knowledge/research gaps?
- Research to prioritize?
- Short-term actions?



- Natural Resources?





Extra



- Slides from previous sessions



Observations from discussion



- Urgency to transform society, change human's relation to nature
- Engineer's answer will not be enough
- Environmental problems are not limited to climate change
- Regional realities: transformation can not and must not be the same everywhere
- Easier to invest in "technological innovation" than in "social innovation"



Questions from discussion /1



- Technology
 - Technological innovation VS existing technology at scale?
 - Barrier to existing technologies?
 - Large-scale VS small-scale energy systems?
 - Transformation pathways for fossil industry?
- Finance
 - What financial policy can put us on a net-zero pathway?
 - Internalize the cost of inaction?
 - Value natural ecosystems as infrastructure?
 - New indicators for natural resources?
 - Consumption-based GHG accounting?
 - How to achieve policy consistency and certainty?
 - Alternative to GDP : Genuine Progress Index, economically viable language framework?



Questions from discussion /2

- Behaviour
 - How to better understand people's response to technology change
 - early adopters, risk perception and tolerance?
 - Nudge testing of “carbon-light” social innovations through Service Design Research?
 - How to show and report progress – especially when visible effects are not immediate?
- Integrating adaptation and mitigation
 - “Adaptation is to help protect those who are already being affected by climate change and mitigation is to protect those that are not yet experiencing them. All of our efforts need to have both goals in mind, but it may be easier to achieve each of them if they are pursued separately.”
 - What should be adaptation indicators and how to define targets?
 - How to incentivize on mitigation AND adaptation?



Questions from discussion /3

- Geo/Political Scale
 - “Is the federation strong enough to tackle region-specific solutions?”
 - “The big issue with harmonization is that we shouldn’t hold jurisdictions back that are interested in a higher level of ambition”
 - “The Canadian mindset is ripe for a conversation about ‘what do we want to be when we grow up’ ”
 - Would framing it as a health issue better resonate nation-wide?
- Time Scale
 - Technological innovation OR deployment of existing technology at scale?
 - Policy VS Lock-in?
 - How to make social innovation at scale, in time?