



## Modelling the Economic Impact of Climate Change and Adaptation in Atlantic Canada

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Global climate change will have worldwide impacts, and coastal areas in Canada are particularly susceptible. This talk will provide an overview of the economic costs and impacts of future sea-level rise (SLR) and storm surge due to climate change in Canada's coastal provinces, as well as the net costs of policies aimed at coastal adaptation.

We first explore the net costs of specific adaptation options at vulnerable sites in Atlantic Canada, and then take a broader view of climate impacts in Canada. The latter was done with the use of computable general equilibrium models that track provincial welfare, GDP, trade, prices and inputs over the 2009-2054 period.

Results indicate that, depending on the scenario considered, climate-induced SLR and storm surge could cost Canada in the range of \$53.7 to \$108.7 billion in present value GDP. Results indicate that coastal adaptation investments are supported on economics grounds.

All are welcome.

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11:15 -12:05

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