

Demographic profiling of Canadian Greenhouse Gas Emissions

This research paper provides an analysis of Canadian greenhouse gas emissions from a demand perspective, disaggregating the emissions by various demographic characteristics such as couples with and without children, single parent families and elderly singles and couples. The analysis is based on the greenhouse gas emissions accounts and input-output accounts produced at Statistics Canada, coupled with data from Statistics Canada's Social Policy Simulation Database and Model. This model is used to estimate consumption patterns by demographic characteristics compatible with the most detailed final demand expenditure categories in the Canadian Input-Output Accounts.

In summary, the results of this study are derived from a hybrid input-output model that combines physical data on greenhouse gas emissions by industry with economic data on household demographics and consumption patterns. The model allows estimation of total greenhouse gas emissions for various demographic groups associated with their consumption of goods and services.

Suggested topic: 9. Monetary, Physical and Hybrid IO Analysis

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