



Statistics  
Canada

Statistique  
Canada

# Transportation in Canada: Policy, Data & Technology

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Telling Canada's  
story in numbers

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United Nations Economic  
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Canada 



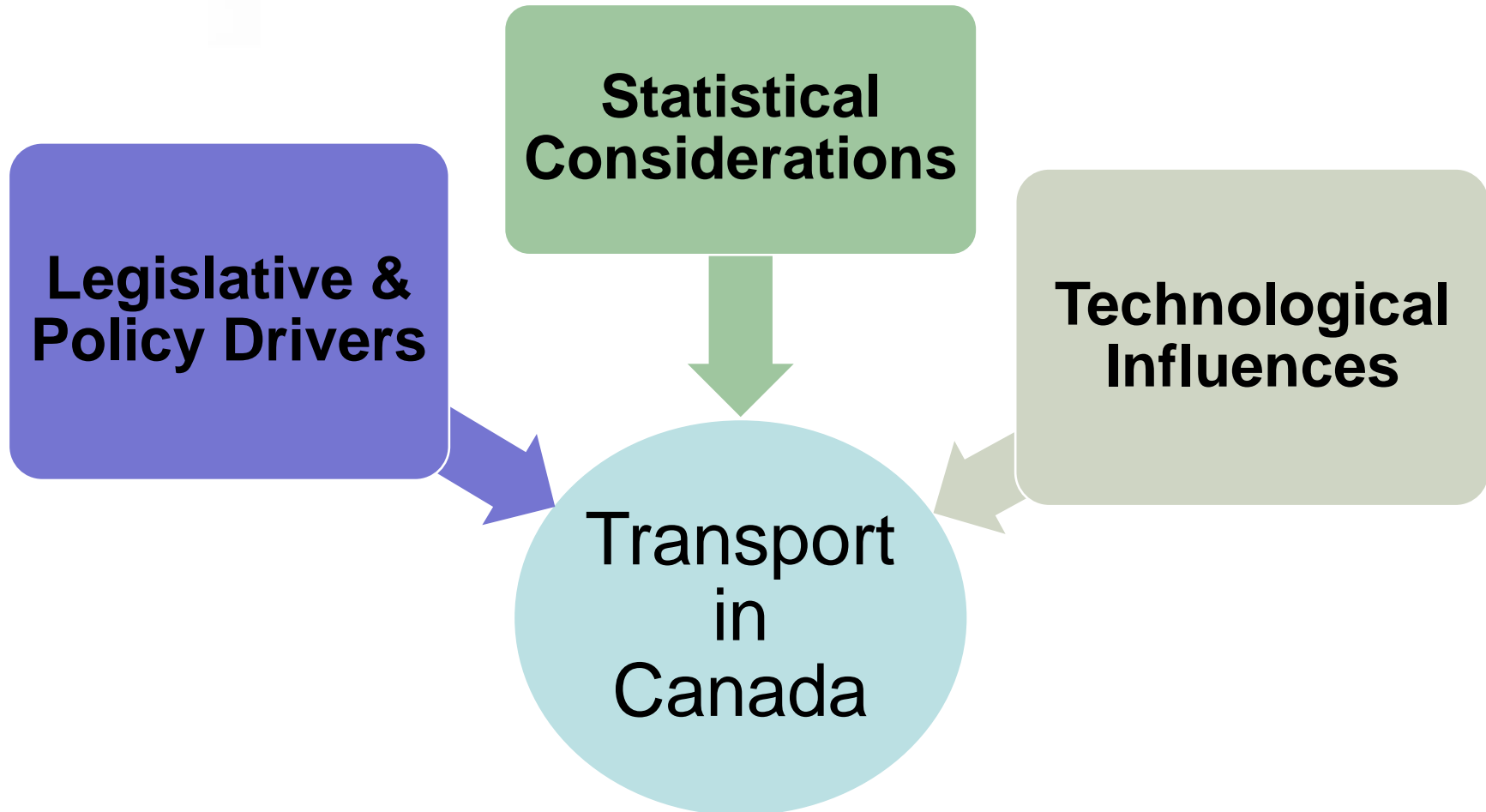
# Transportation in Canada

## *A Shared Jurisdiction*

- **Federal Government:**
  - Responsible for transportation activity crossing provincial or international borders (e.g. rail, aviation, marine).
  
- **Provincial & Territorial Governments:**
  - Responsible for transportation activity that occurs more or less within their borders (e.g. road motor vehicles).



# A Confluence of Factors



## Legislative and Policy Drivers

- *Canada Transportation Act (1996):*
  - Statutory review tabled in 2017 recommending a “multimodal data dashboard” to track performance.
- 2017 Federal Budget provides funding for:
  - A **Canadian Centre on Transportation Data (CCTD)**;
  - A **Canadian Freight Analysis Framework**; and
  - A **Canadian Transportation Satellite Account**.
- **Transport Canada: Transport 2030 Action Plan**
  - Various initiatives (e.g. Clean Oceans, Trade Corridors)

# Statistical Considerations

- **Federal “Open Data” Initiative**
  - Canadian government making data sets available to all Canadians via an open data portal.
- **Statistics Canada Modernization Efforts:**
  - User centric service delivery;
  - Statistical capacity building and leadership;
  - Leading edge methods and data integration;
  - Sharing and collaboration.

# Technological Influences

- **New and emerging technologies ...**
  - Track and trace technologies becoming ubiquitous for both vehicles and commodity movements.
- **... resulting in larger volumes of Big Data**
  - Technical and legislative challenges for statistical agencies and providers now seeing value in data.
- **Requiring a Need to develop partnerships**
  - Public, private and academic sectors can collaborate (e.g. data science) to harness sources of big data.

# Data Demands in Transportation

- Requirements and Use
  - Transition from “**how**” the industry is doing (i.e. GDP) to “**what**” it is doing (i.e. commodity flows).
- Timeliness and Methods
  - Transition from **retroactive** survey methods to **continuous** collection and performance metrics.
- Access and Form
  - Transition from agency predetermined **tabular output** to portals with microdata and **visualization** tools.

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Thank you for your interest.

Questions?

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