



Canadian Trucking Statistics: A New Direction

INTERNATIONAL TRANSPORTATION FORUM

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Delivering insight through data, for a better Canada



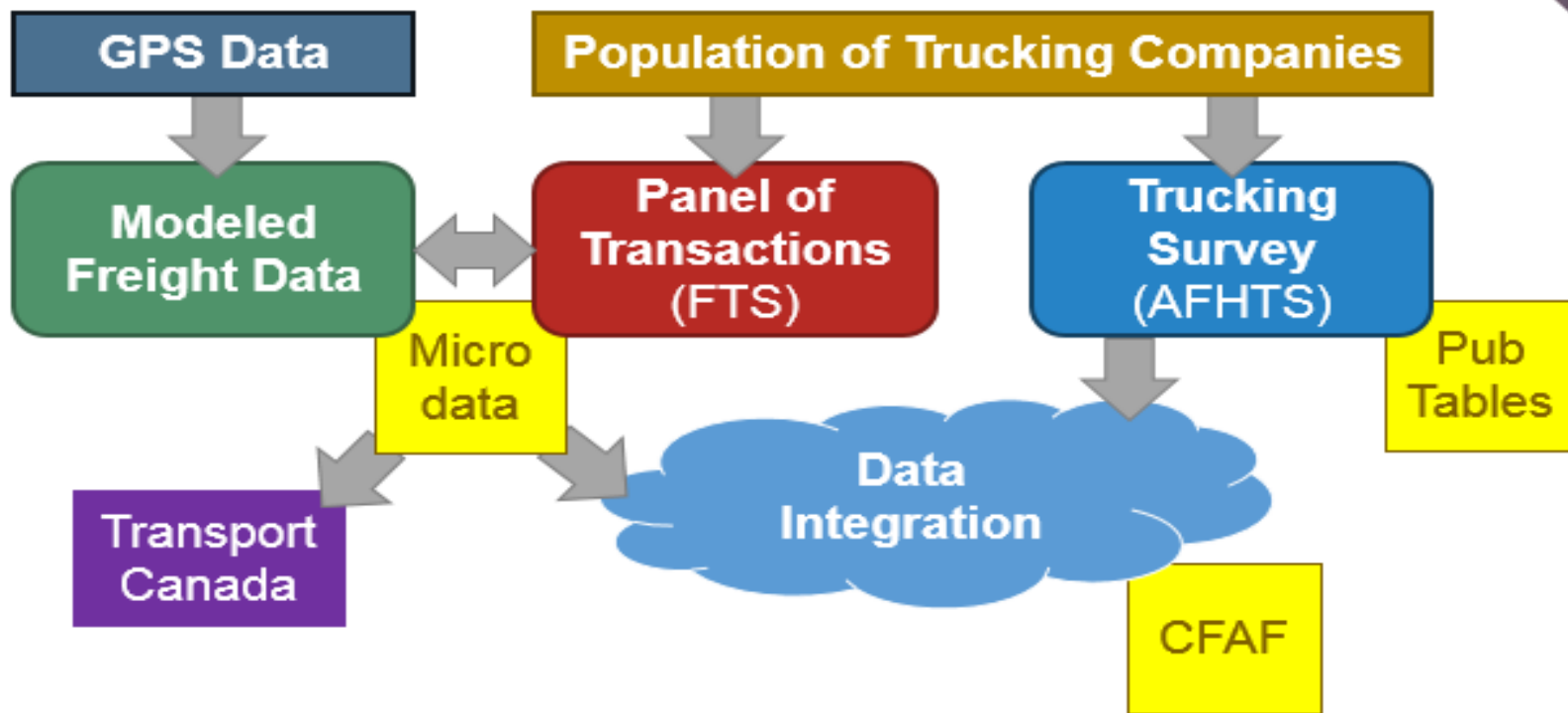
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Background

- In Canada, the federal government collected two types of statistics:
 1. Financial - [Annual/Quarterly Trucking Survey](#) (terminated in 2011)
 2. Activity - [Trucking Commodity Origin Destination Survey](#) (being redesigned)
- In 2016, the [Canadian Transportation Act](#) review recommended the establishment of a “Transportation Multi-modal Data Dashboard”
- In 2017, the federal budget announced the creation of and long term funding for a [Canadian Centre on Transportation Data](#)
- In 2018, Statistics Canada and Transport Canada launched various data products including [Canadian Freight Analysis Framework \(CFAF\)](#)
- In 2019, Statistics Canada rolling out a Freight Trucking Statistics ([FTS](#)) and an Annual For-Hire Trucking Statistics ([AFHTS](#)) instrument

The New Direction for trucking statistics will integrate data from surveys, models, administrative sources and GPS:



The New Direction for trucking statistics will feature two elements:

Freight Trucking Statistics (**FTS**)

- To measure trucking activity, including O-D, commodity, weight and value of shipments
- Sample of for-hire (n = 145) and a panel of private (n = 50) carriers
- Will use electronic collection and automatic processing tools
- Will provide trucking shipments for the Canadian Freight Analysis Framework (**CFAF**)

Annual For-Hire Trucking Statistics (**AFHTS**)

- To measure trucking financial, including revenues, expenses, employment and equipment
- Sample from Statistics Canada Business Register (BR)
- Will use corporate collection, processing and estimation tools
- Will provide national accounting inputs as well as control totals for **FTS** program



The New Direction for trucking statistics will feature:

- **Improved Coverage:** Private Trucking frame via linking provincial vehicle registration files with Statistics Canada Business Register
 - Proof of concept testing in 2018-19 with pilot testing in 2019-20
- **More Electronic Data:** **AFHTS** will use an Electronic Questionnaire (**EQ**) while the **FTS** will use Electronic Data Reporting (**EDR**)
 - Informed by testing and consultations with carriers in 2018-19
- **New Techniques:** Such as a creating a **Machine Learning** algorithm from historic data to predict shipments from **GPS** tracking
 - Transport Canada to update sources of GPS data (e.g. ATRI, Shaw)
- **Milestones:** Panel selection completed while various parts and processing being designed as well as tested
 - Weighted transactions (i.e. trucking shipments) to **CFAF** in 2022



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