

HOPA

P O R T S

Ian Hamilton
President & CEO
July 29, 2020

Canada 

Ontario Supply Chain Visibility Project

Transport Canada's Objectives: Enable stakeholders to improve competitiveness, trade diversity and overall productivity in the region, while improving safety and mitigating/adapting to climate change.

Other Transport Canada functional pillars:

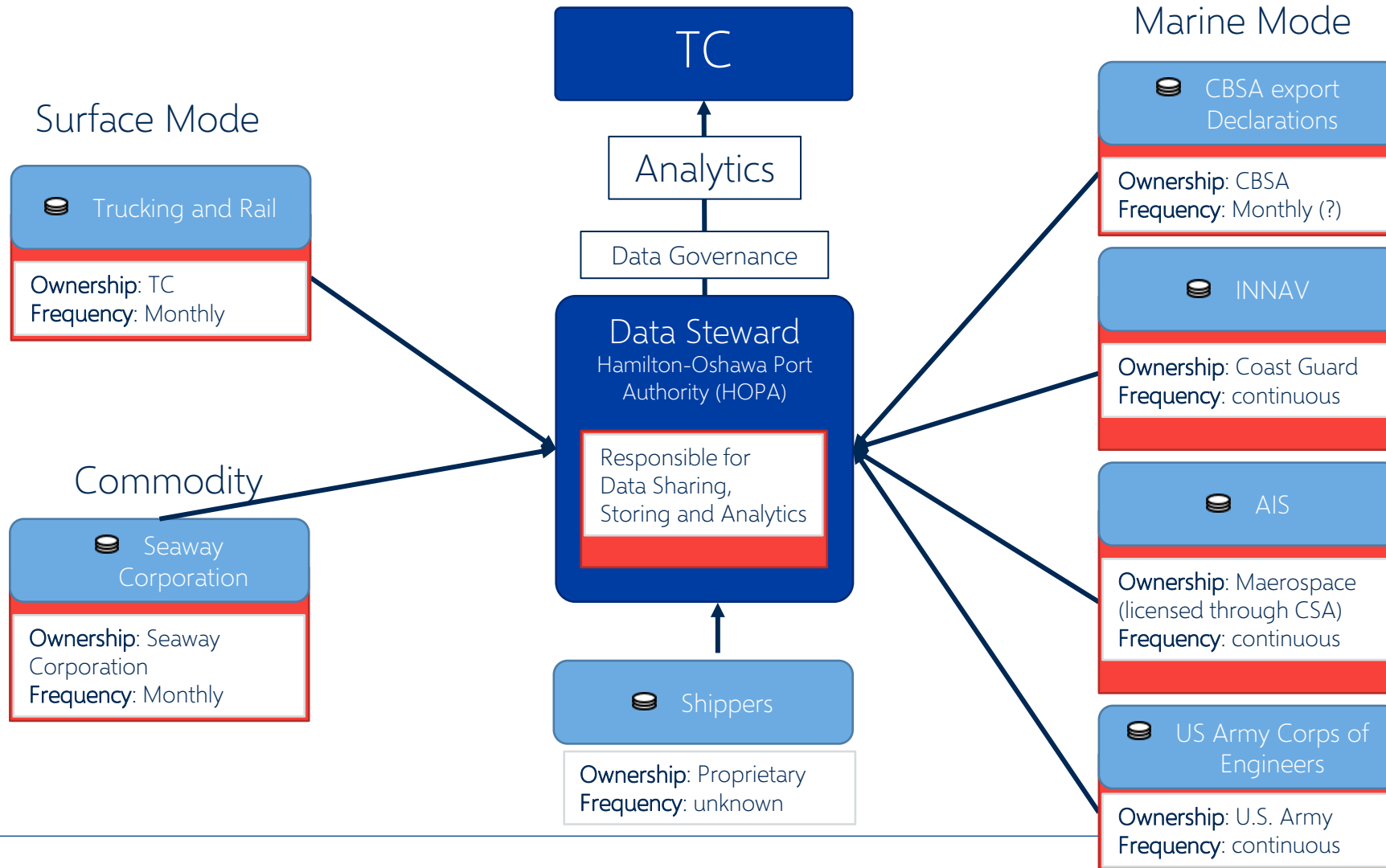
- (1) Planning/Policy**, led by University of Toronto, focusing on the activities of governments, with data used for modeling and planning purposes, policy design and service improvement
- (2) Business**, led by the Toronto Region Board of Trade, representing business activities, including a focus on last-mile and consumer goods distribution.
- (3) Multimodal integration pillar**, whereby HOPA are the Data Stewards, with a focus on southern Ontario, leveraging HOPA's facilities in Hamilton and Oshawa; supply chain connections in Canada/interprovincial, US and overseas.

Regional Multimodal Integration

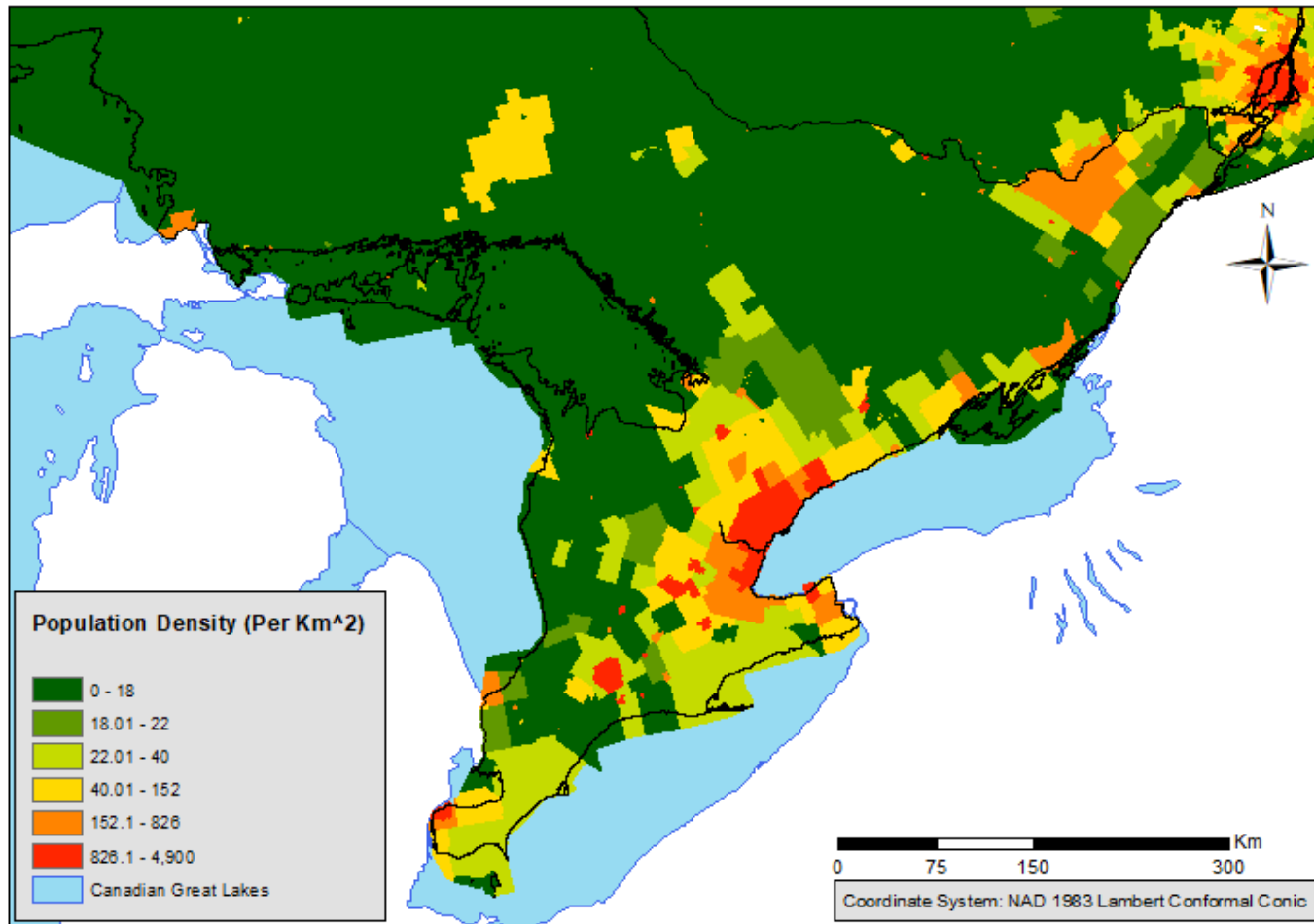


Transport
Canada

Transports
Canada



Golden Horseshoe Region



The **multimodal integration pillar** focuses on southern Ontario, leveraging HOPA's facilities in Hamilton and Oshawa; supply chain connections in Canada/interprovincial, US and overseas

Project goals

1. Increasing transparency within the Southern Ontario Supply Chain; improving system performance

- Improve ability to make good freight infrastructure decisions
- Identify trends and cargo flows
- Bringing stakeholders and partners together to create supply chain solutions
- Integrate technological developments at Hamilton port with City's freight plan
- Develop a governance model for data warehouse to support analytics

2. Modal Optimization

- Facilitate the creation of new transportation products/services
- Support trade diversification and export of bulk agricultural products
- Improve freight fluidity in surface trade corridors
- Alleviate congestion / improve fluidity
- Innovative responses to driver shortages
- Reduced transportation-related GHGs

HOPA is uniquely positioned to lead this endeavor with:

- In-depth knowledge of the marine mode
- Oshawa-Hamilton & region-wide scope
- Class-1 railway relationships;
- Enthusiastic interest from trucking industry

Stakeholders

Niagara Region

Durham
Region

City of
Hamilton

GTA

PROVINCE/MTO

St. Lawrence
Seaway

Private
Sector
Companies

Shipping
Lines

Trucking
Companies

Rail Lines

HOPA's Role

- Responsible stewardship: collection, protection and sharing governed by a stewardship agreement and usage/sharing agreements
- Transportation sector insight and connections throughout Hamilton to Oshawa and Greater Golden Horseshoe
- Bring together stakeholders across modes to address transportation opportunities
- Identification of business problems and opportunities
- Design of research projects with commercial and system improvement outcomes
- Oversight of analysis partner projects
- Get information to private and public sectors respecting proprietary data

Data Analysis Partnerships

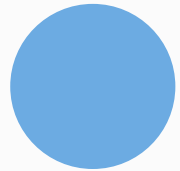
- As research questions are identified, data analysis partners and/or in-house data unit will be deployed case-by-case, based on their capabilities. HOPA will develop robust data-sharing stewardship agreements vis-à-vis analysis partners, covering the collection, protection and sharing of the data within our pillar.
- **Problems to solve may include:** cross border issues; freight bottlenecks; infrastructure deficiencies; underutilized capacity; civic/community issues; labour shortages, modal imbalances; energy costs; environmental/climate performance

McMaster
University
(MITL)

HOPA
Internal Team

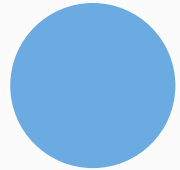
Other
Partnerships

Benefits to Stakeholders



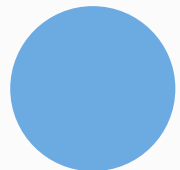
Access to various sources of data:

The multimodal integration pillar has access to a variety of data sources. Additional information may also be accessed through other pillars within the scope of the enquiry.



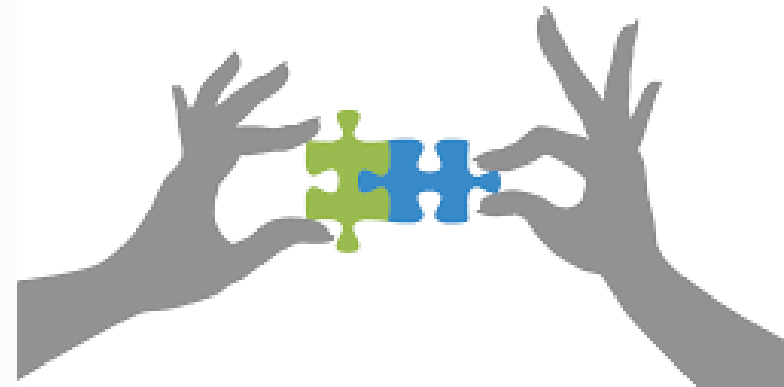
Results provided in a solution based package

Enquiry results are provided as a solution based package. Stakeholders will not need to sift through data to try to understand how to answer their enquiry as the results will be provided as an answer to the question.



No need to manage large data

All of the complexities related to managing large sets of data are handled by HOPA as the Data Steward. This means you simply ask us for what you need and we deliver the answer.



Transport Canada's Next Steps:

Implement:

Complete Data Governance and Data Sharing Agreements – 3rd quarter 2020

Development of Data Structure and Analytics – 3rd quarter 2020

Complete Data Public Access – 4th quarter 2020

Provide Data and Analytics to Canadian Center on Transportation Data – 4th quarter 2020

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Thank You

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