UNECE Transport Statistics Introduction

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Overview

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- Background document number 5
- Need for Data
- Annual data collection
- Dissemination of the results
- COVID-19 and beyond; annual data sufficient?
- Data confidentiality and other challenges
- The future?

Motivation

- Understanding urban mobility crucial to SDGs.

- City-specific data lose value when combined.

- No tram or metro statistics collected at the international level.

- Data for buses are hard to split between urban and inter-urban. Tram and metros don't have this problem.

- Timely public transport data currently **high value** in post-lockdown world.

France, passenger numbers (million)
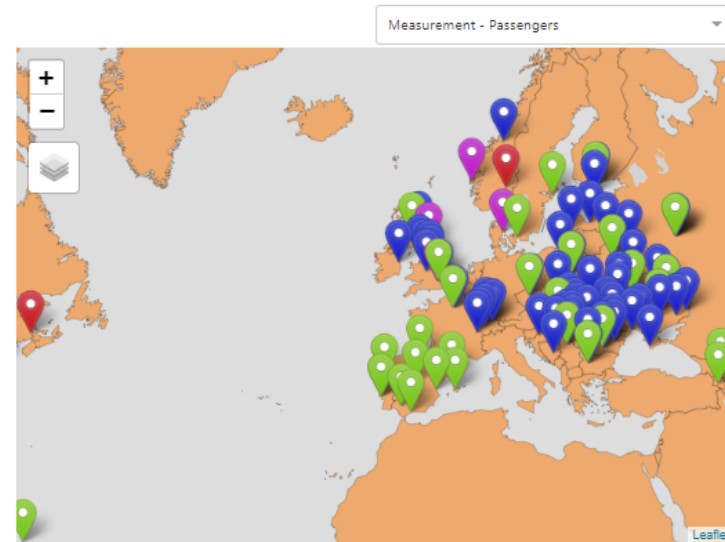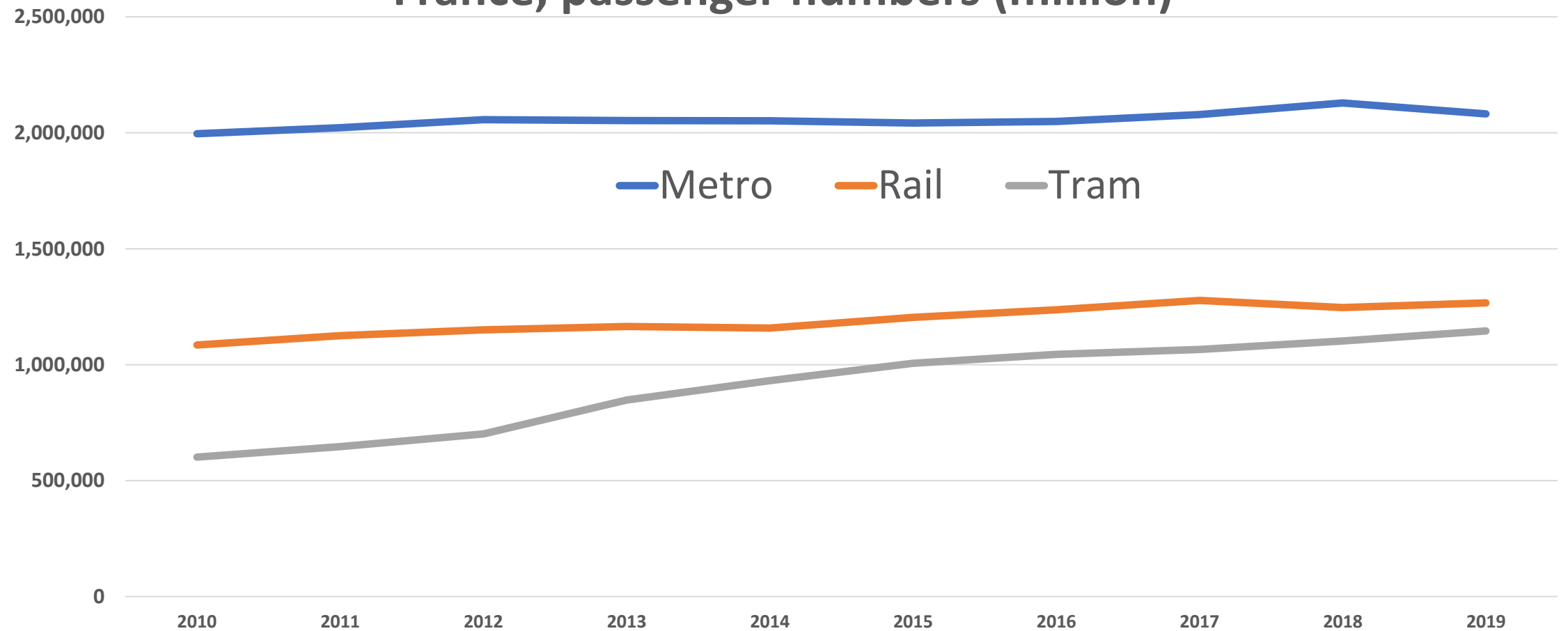
UNECE Questionnaire

- Questionnaire kept SIMPLE: passenger numbers and passenger-km, for each system.

- Current data availability: **27 countries, 143 cities**.

- (Many countries have no active systems).

- Collection repeated in Autumn 2020, this time asked for Monthly/Quarterly data as a test.

- Happy to receive data in a flat file format in the future.

# Cities with both tram and metro systems, passenger distances
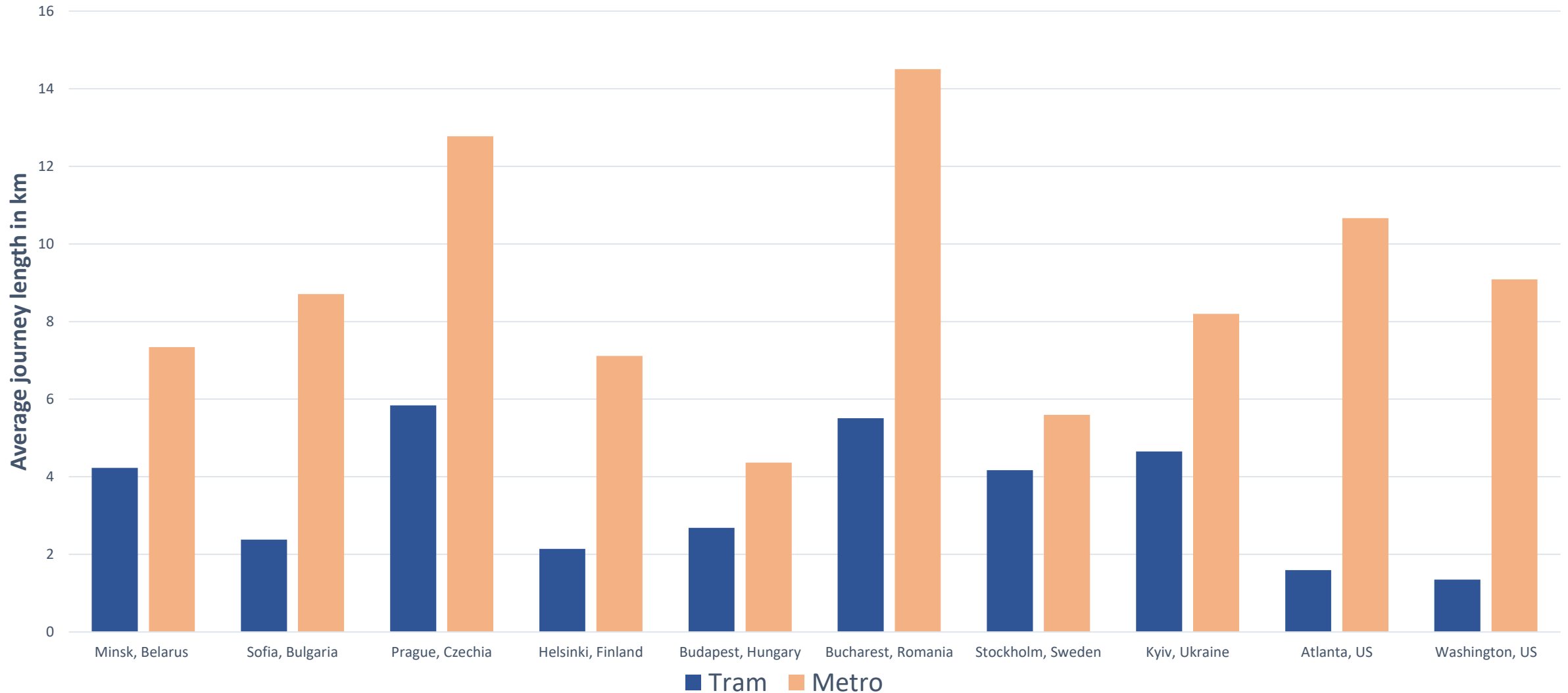
Dissemination

- Due to city-breakdown, data cannot be disseminated using normal structured PC Axis cubes.

- So data disseminated as simple CSV.

- Constant location and structure (so you can link to it)

- Accompanying map highlights data availability and trends.

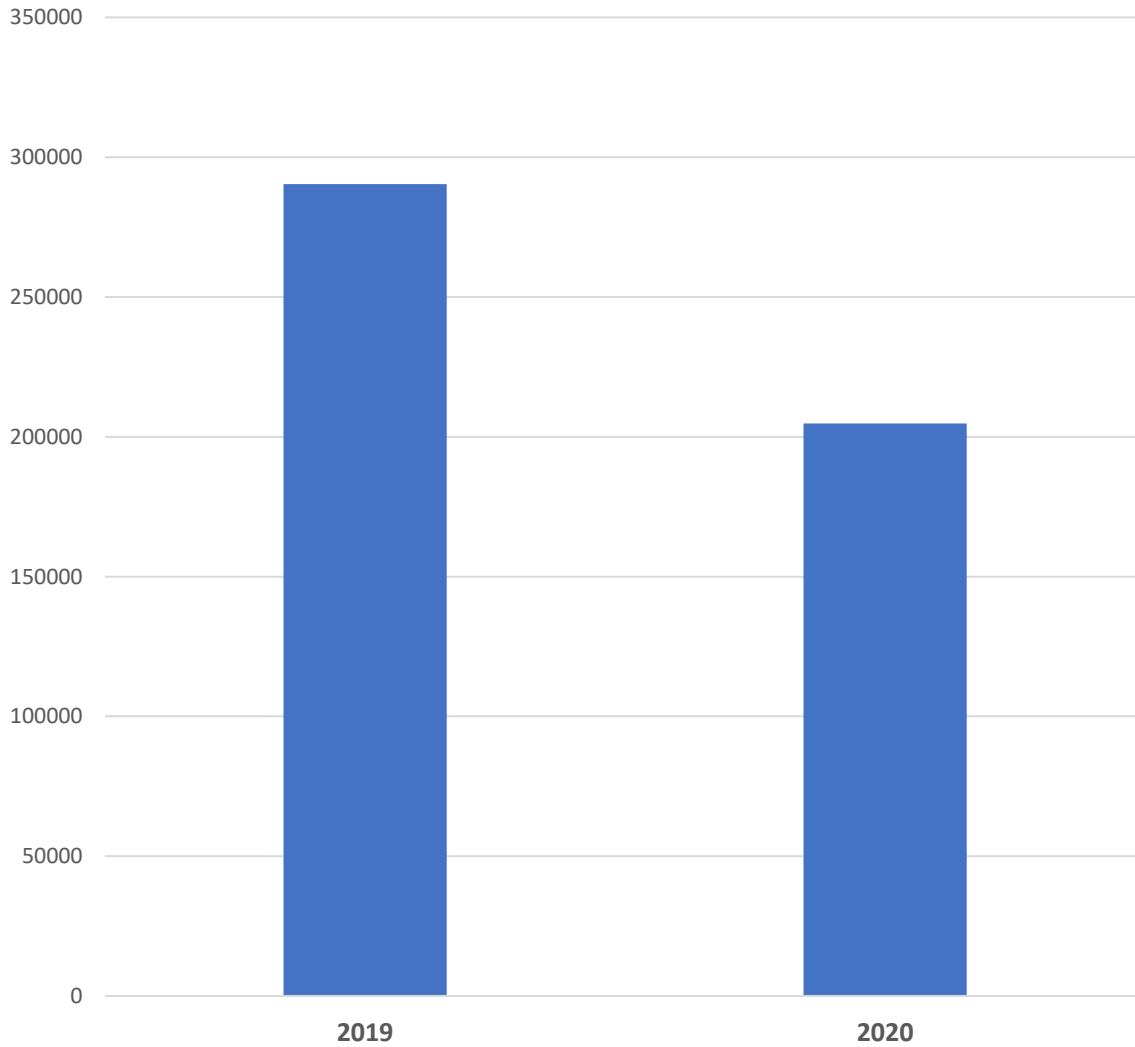- Any suggestions for dissemination improvements?
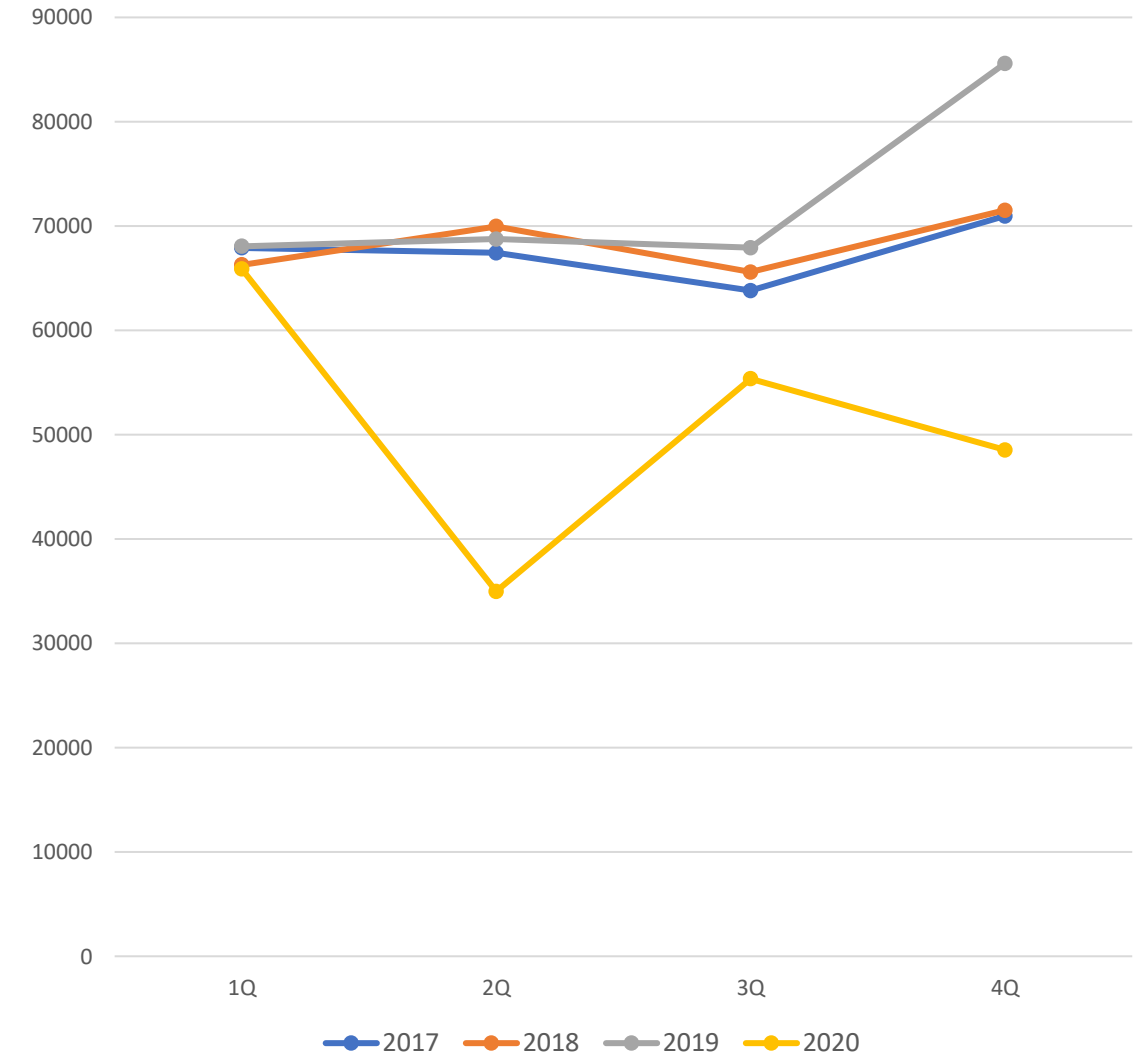
unece.org/tram-and-metro-data
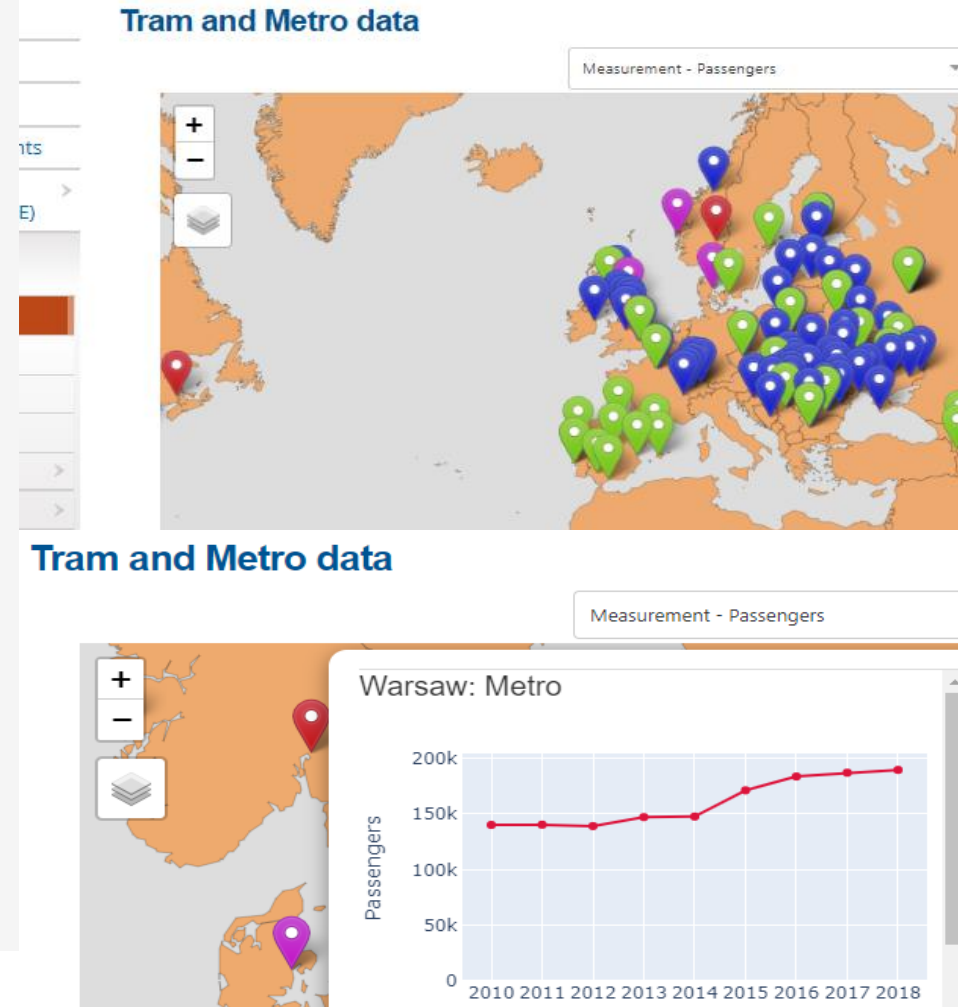
Short-term Data?

Importance of short-term data

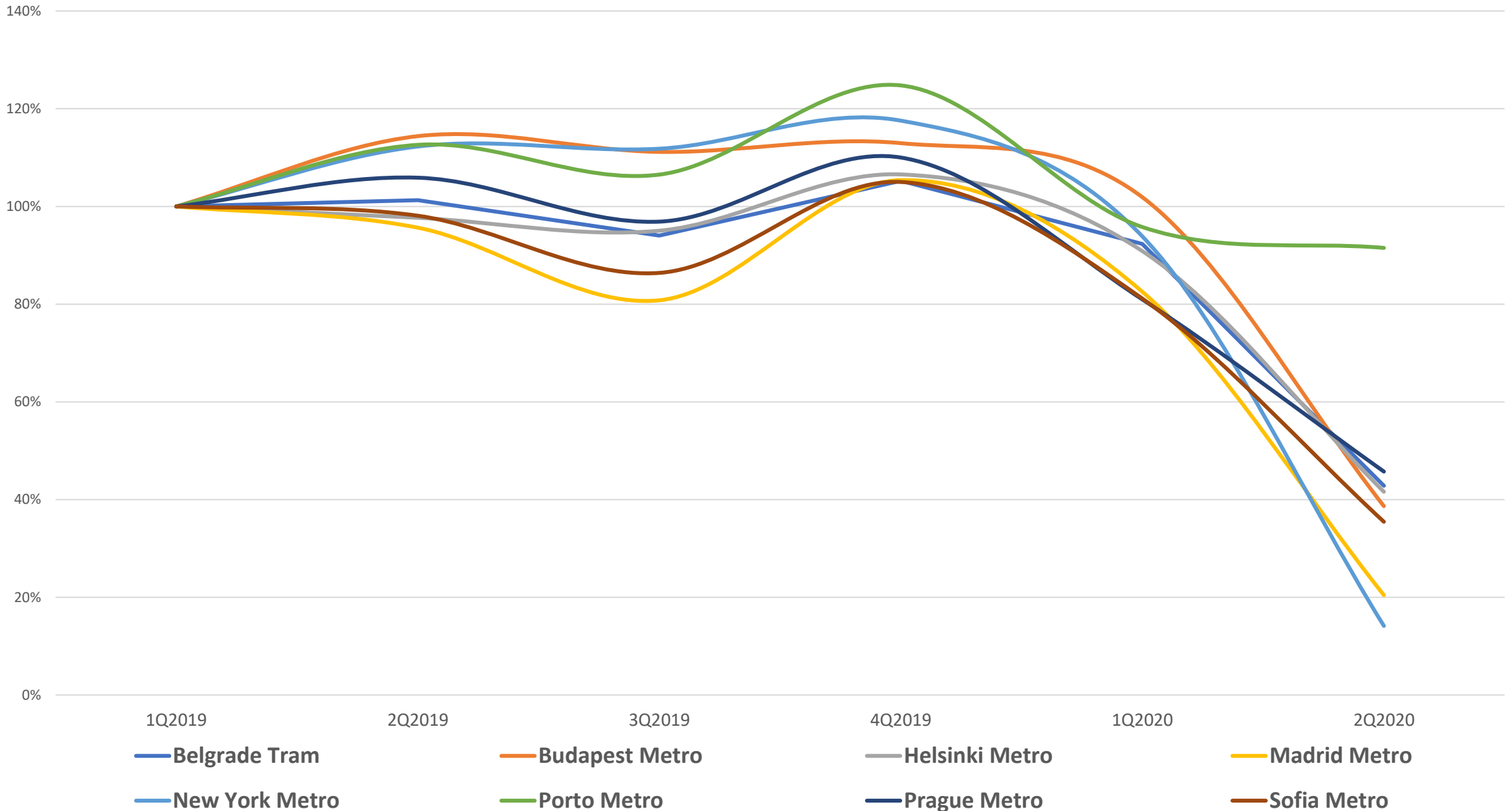

Copenhagen Metro, Annual

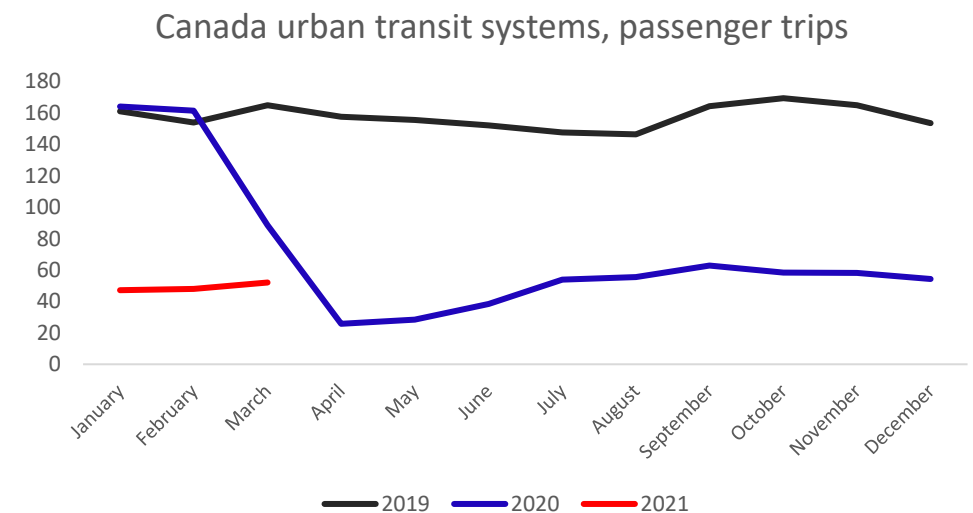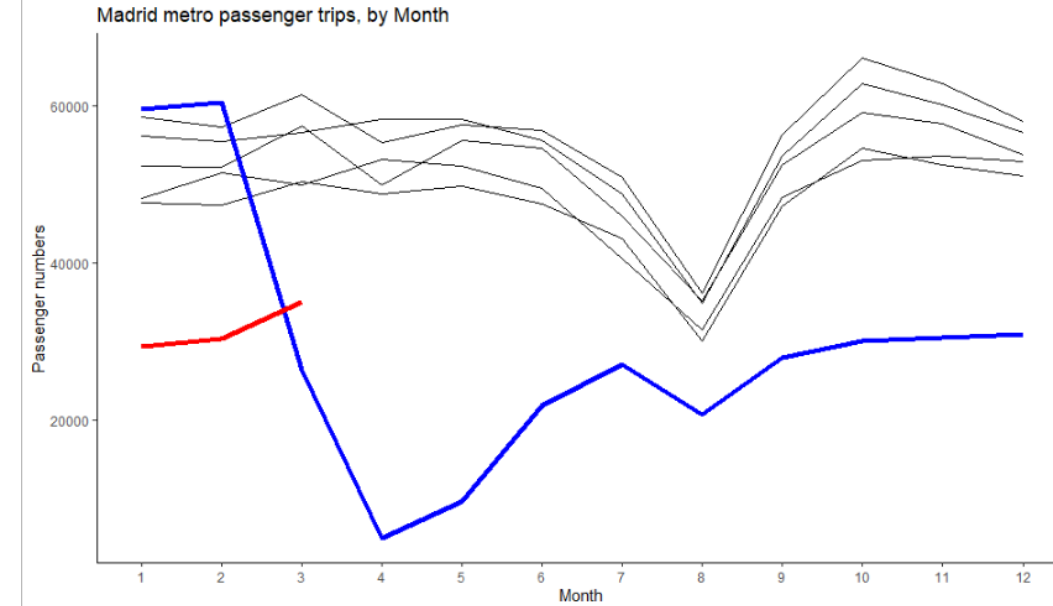Copenhagen Metro, Quarterly

Source: Statistics Denmark

Short-term Data Patterns

Legend:
- Belgrade Tram
- Budapest Metro
- Helsinki Metro
- Madrid Metro
- New York Metro
- Porto Metro
- Prague Metro
- Sofia Metro

- **17 countries (of 26) sent 1/4ly data or was on web. UNECE can ask this 1/4ly, but big reporting burden (on you and us).**

- **Can we automate this collection process?**

- **An urban public transport index could be a useful international tool, even if aggregated.**

  - **If you have quarterly data available, why not publish?**

Madrid metro passenger trips, by Month

Canada urban transit systems, passenger trips

—— 2019 —— 2020 —— 2021

- We plan to continue this collection annually.
- Even with data comparison issues, growth rates are very useful.
- If you have these quarterly data available, can you commit to publishing them?
- Do you use these data for modal split calculations at the national/regional level?
- How about urban bus data?

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- **Are better data likely in the future through new technology?**
- **What are the challenges and opportunities for urban public transport data in your country?**