TRANSPORT STATISTICS

UNECE

UNECE Transport Statistics Activities

Alex Blackburn, UNECE

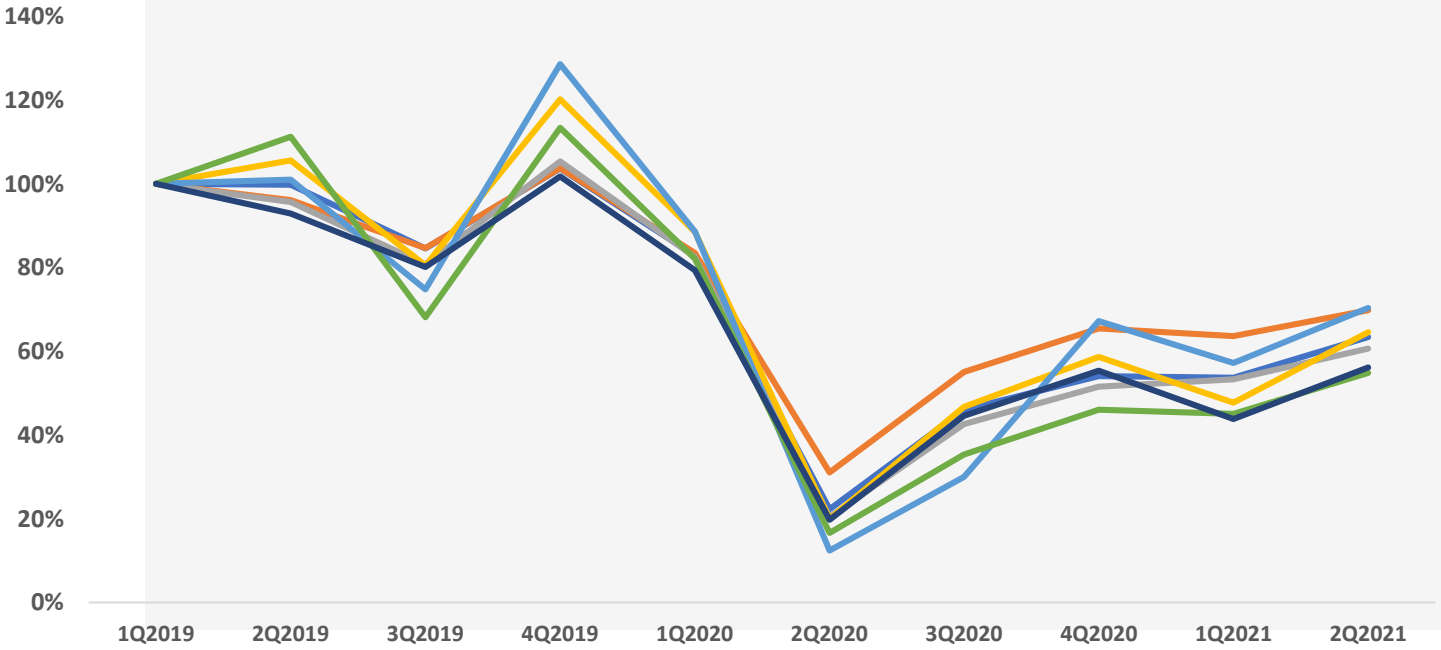
Presentation to ITF Statistics Meeting 21-22 October 2021

Overview

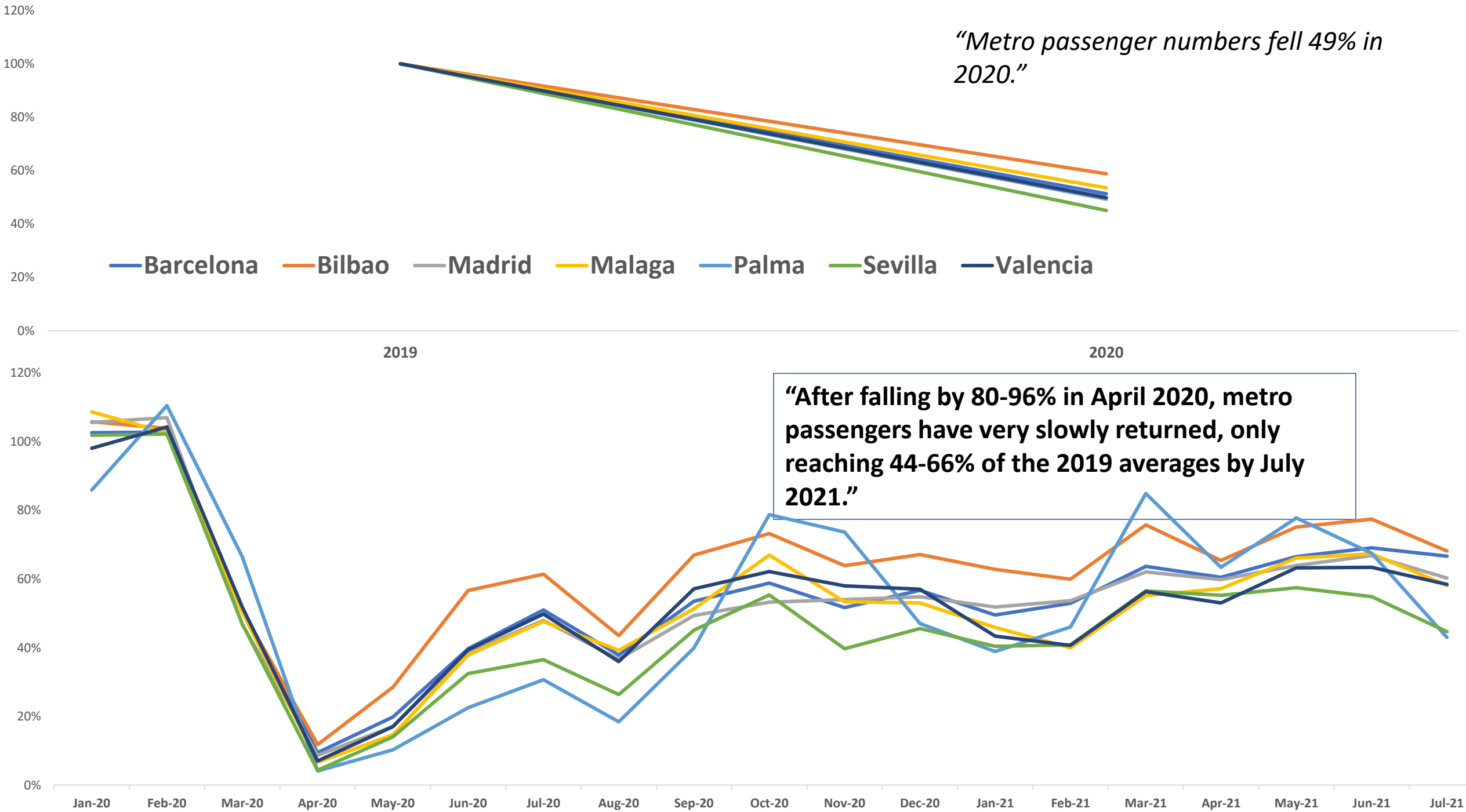
- Public transport statistics
- Timeliness
- MNO Data/Big Data: What next?
- Censuses
- Dissemination

Public Transport Data

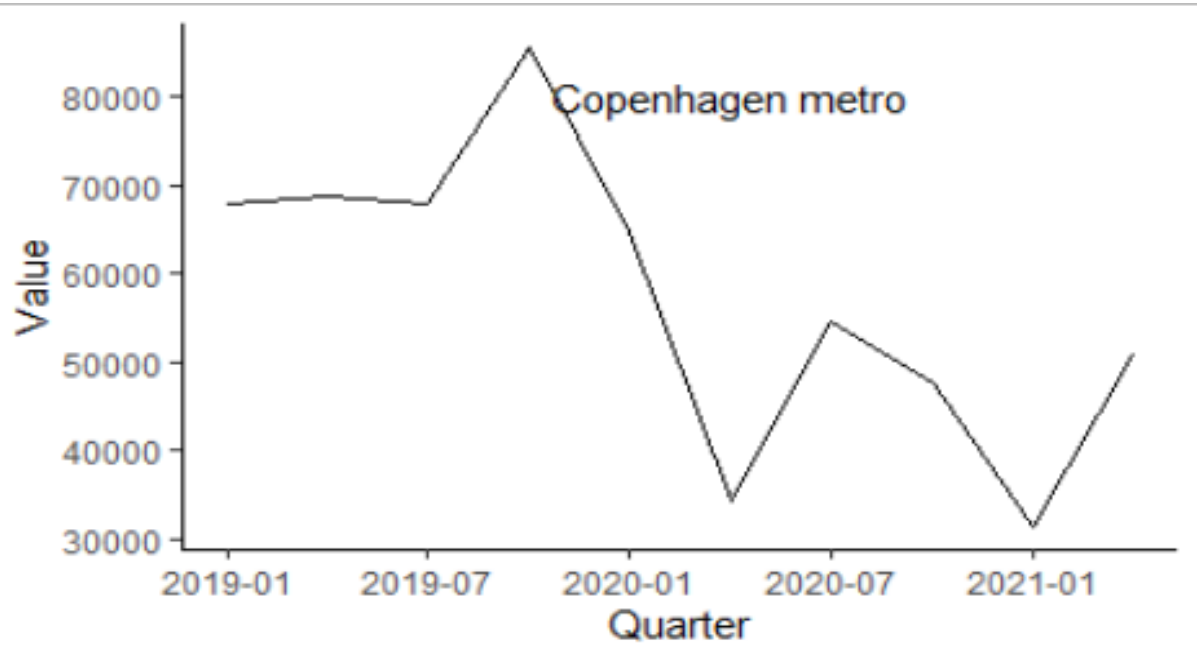
- Tram and metro data collection: 145+ cities+27 countries.
- https://unece.org/tram-and-metro-data (CSV download)
- Can we automate the collection process?

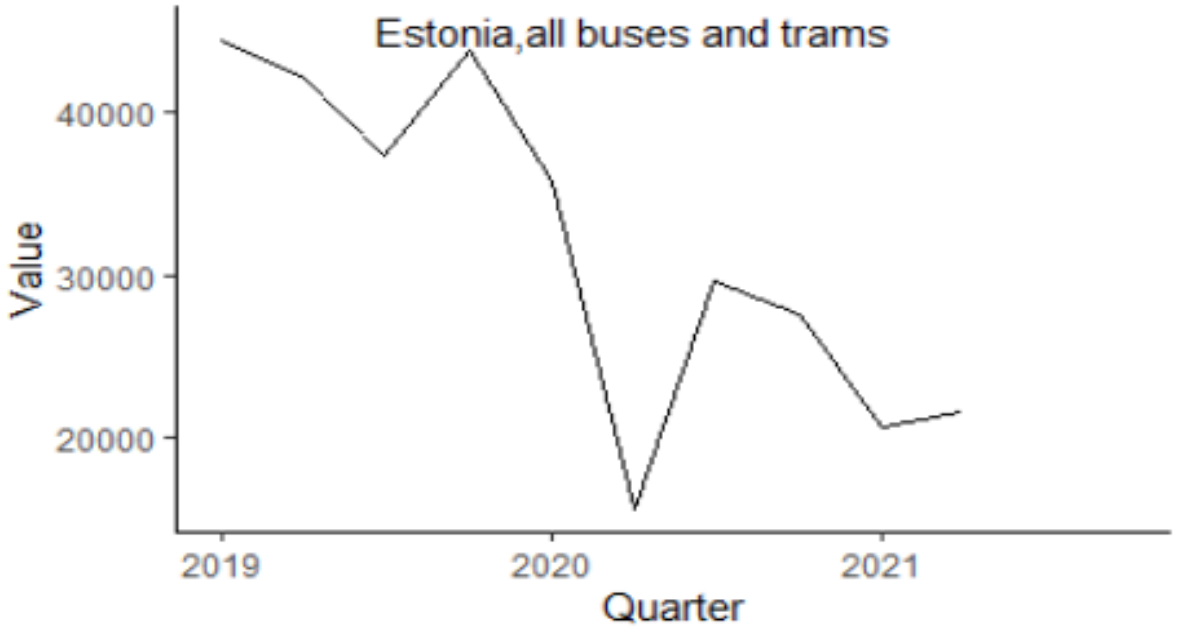


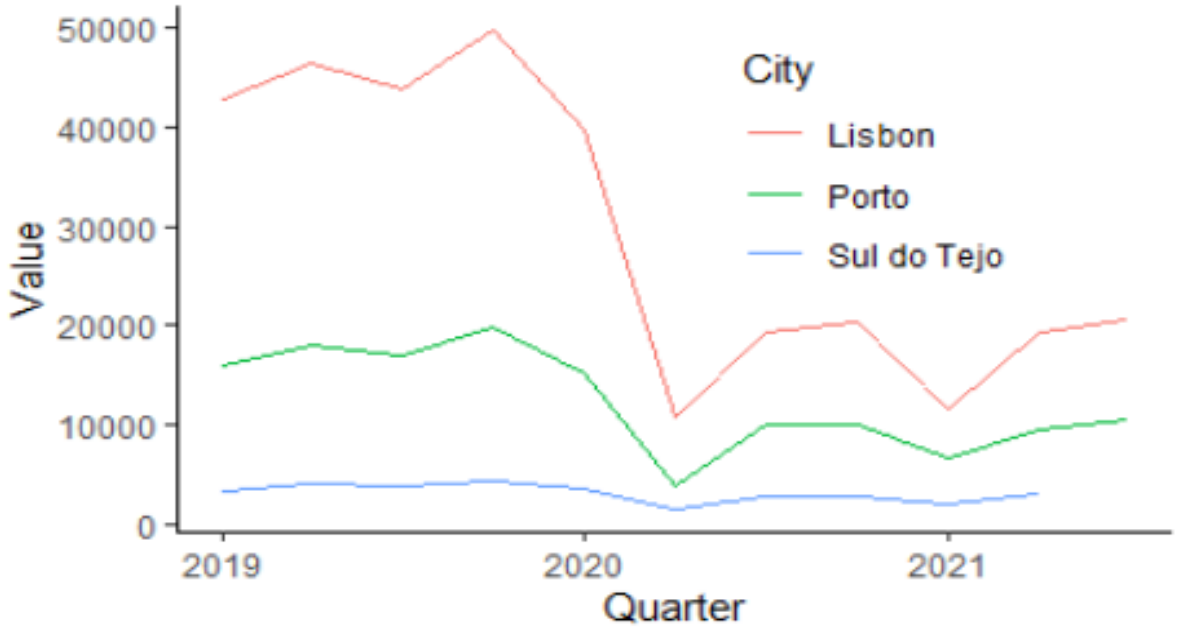
"Metro passenger numbers fell 49% in 2020."



City
Barcelona
Madrid
60000
40000
20000
Value
2019
2020
2021
Date


Copenhagen metro
80000
70000
60000
50000
40000
30000
Value
2019-01
2019-07
2020-01
2020-07
2021-01
Quarter


Estonia,all buses and trams
40000
30000
20000
Value
2019
2020
2021
Quarter


City
Lisbon
Porto
Sul do Tejo
50000
40000
30000
20000
10000
0
Value
2019
2020
2021
Quarter

September 2020

Mobility data to inform the COVID-19 crisis response at EU scale

UNECE and ITF virtual meeting series on Mobility Monitoring, 16 September 2020

Michele Vespe – Stefano M. Iacus
Joint Research Centre – Ispra (VA), Italy

REPUBLIC OF SLOVENIA
STATISTICAL OFFICE

SURS We count. Today for tomorrow.

Lessons learned from the collecting of **data on mobility with the mobile app**, from **automatic traffic sensors data** and from **data obtained from the MNOs** for tourism and / or transport statistics purposes

Recent lessons and developments with Mobile Positioning Data

Marek Rannala, Positium

ITF/UNECE meeting "Exploring new transport data sources"
16.09.2020

Bundesamt für Güterverkehr

UNECE and ITF virtual meeting series on Mobility Monitoring
"Exploring new transport data sources"

German Truck Toll Mileage Index

an experimental daily index
early available and economically meaningful

The Federal Office for Goods Transport
Lisa Döring*, Michael Cox & Claus Goebels
*presenting and contact person
Lisa.Doering@bag.bund.de

positium

January 2021

wiki.unece.org/pages/viewpage.action?pageId=109352183

Lessons learnt

- Lots of interest: 45+76 participants.
- Main interest in Mobile Data, covering MNO data, App-based…
- Some countries started from scratch, others adapted existing projects.
- Importance of partnerships.
- Sustainability.
- PRIVACY!
- But traditional data are not dead.

What next?

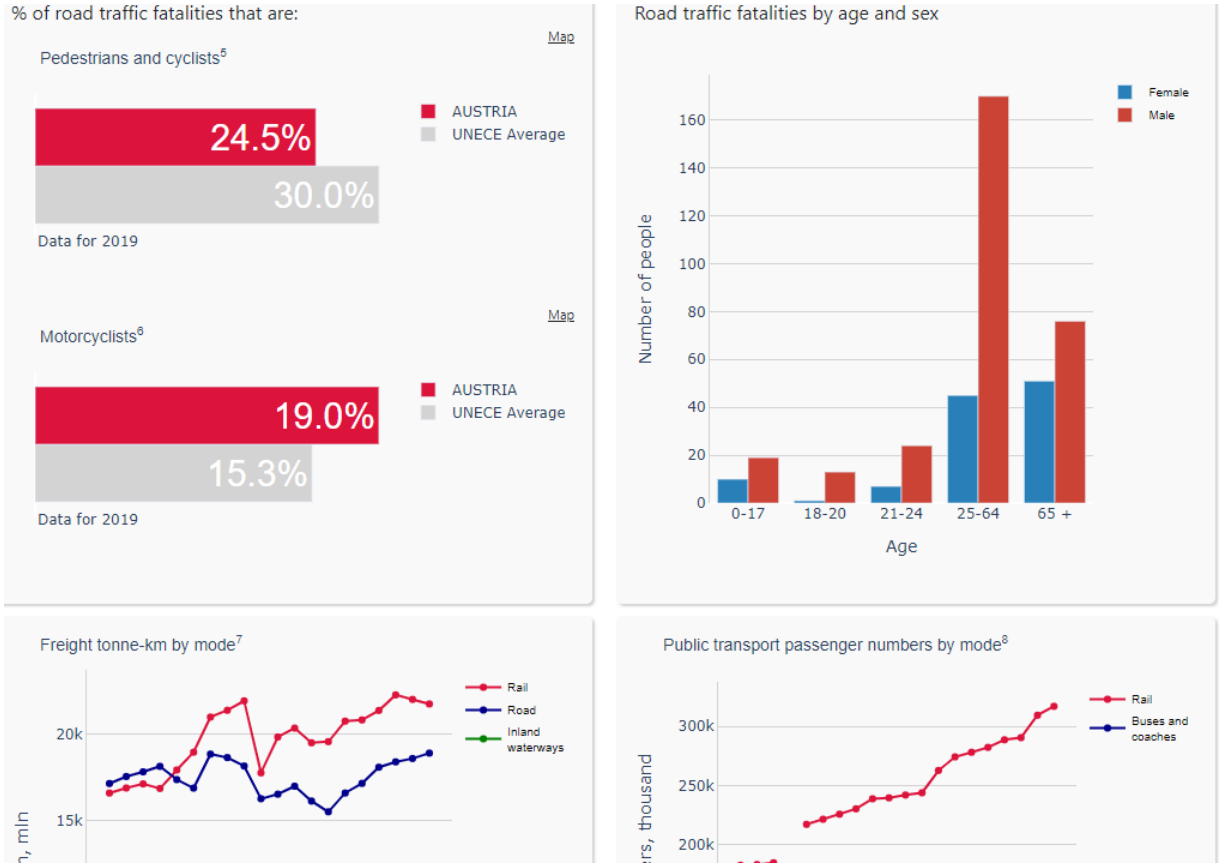
- Possible Big Data group? MNO data a focus? Expected output?
- Country practices or Recommendations?
  - Data sharing agreements, strategy for cooperation, benefits.
  - **Techniques** for data processing, collating datasets, privacy….
- Cross-Border Data Project?
- Monitoring transport for its own sake, or as input (business conditions, industrial production, covid spreading…)?

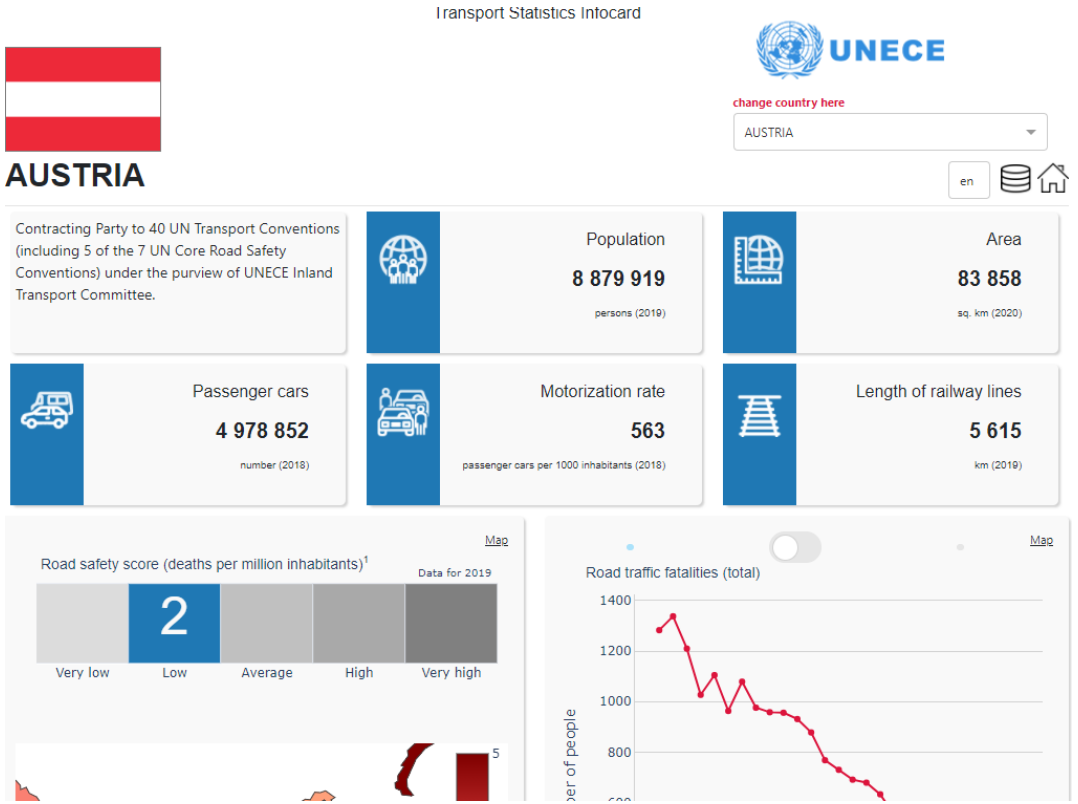
Censuses

- Every 5 years, UNECE collects traffic information on the E-Road and E-Rail networks.
- Allows an assessment of network capacity.
- Adds a geospatial element to traffic statistics and corridor analysis/modal shift.
- Tracks Euro Asian goods flows.
- Climate change adaptation.
- We complement this with analysis of Goods+passenger flows (Eurostat NUTS2 o-d data).
- **Needed: traffic count data for more countries.**

https://stats.unece.org/infocard/

https://unece.org/media/transport/Transport-Statistics/press/360823





On the horizon: SDG data stories…

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Questions welcome

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Thank you!