TAKING AMBITIOUS CLIMATE ACTION

Decarbonising inland transport by 2050

E-Road and E-Rail Traffic Censuses

Fadiah Achmadi, Secretary, WP.6

E-Road Census: Background

Types of data

Infrastructure information & **traffic volumes** on E-Road network (as defined in the European Agreement on Main International Traffic Arteries/AGR) every 5 years

Classification of vehicles

- Heavy vehicles
- Light vehicles

Data utilization

- Infrastructure planning
- Identification of bottlenecks
- Road safety benchmarking
- Corridor-specific modal split.

Data collection method

- Excel table questionnaire
- Shapefiles

UNECE

2020 E-Road Census: Countries Delivering Data

17 countries

- Armenia
- **Austria**
- Belarus
- Bulgaria
- Croatia
- **Czechia**

- **Finland**
- Germany
- Hungary
- Kazakhstan
- **Netherlands**
- **Poland**

- Russian Federation
- Serbia
- **Slovenia**
- **Sweden**
- **Switzerland**
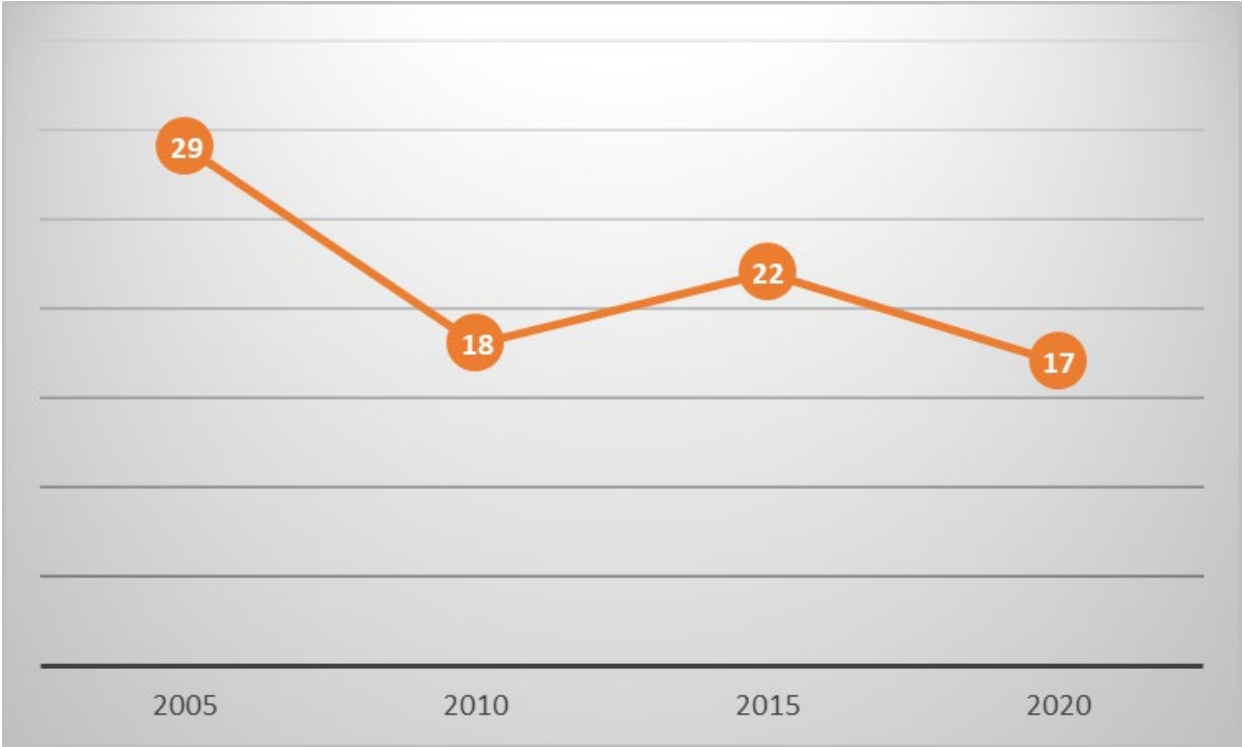
Countries in bold provide Shapefiles

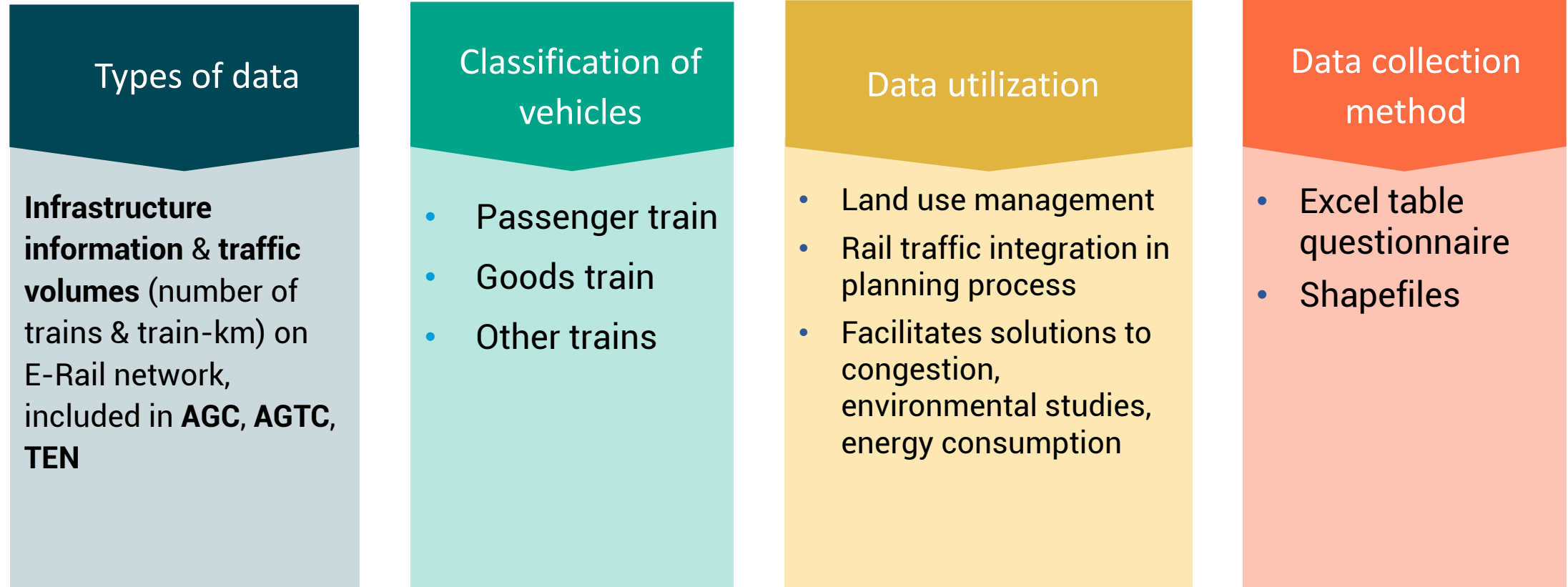https://unece.maps.arcgis.com/apps/webappviewer/index.html?id=cf2 2916b3df741368b8f234d4390e90b

E-Road Census: Number of Countries Delivering Data

There are 38 contracting parties of AGR

E-Rail Census: Background

Types of data

Infrastructure information & **traffic volumes** (number of trains & train-km) on E-Rail network, included in **AGC**, **AGTC**, **TEN**

Classification of vehicles

- Passenger train
- Goods train
- Other trains

Data utilization

- Land use management
- Rail traffic integration in planning process
- Facilitates solutions to congestion, environmental studies, energy consumption

Data collection method

- Excel table questionnaire
- Shapefiles

AGC: https://unece.org/transport/documents/2022/01/standards/european-agreement-main-international-lines-agc-revision-4
AGTC: https://unece.org/transport/publications/european-agreement-important-international-combined-transport-lines-and
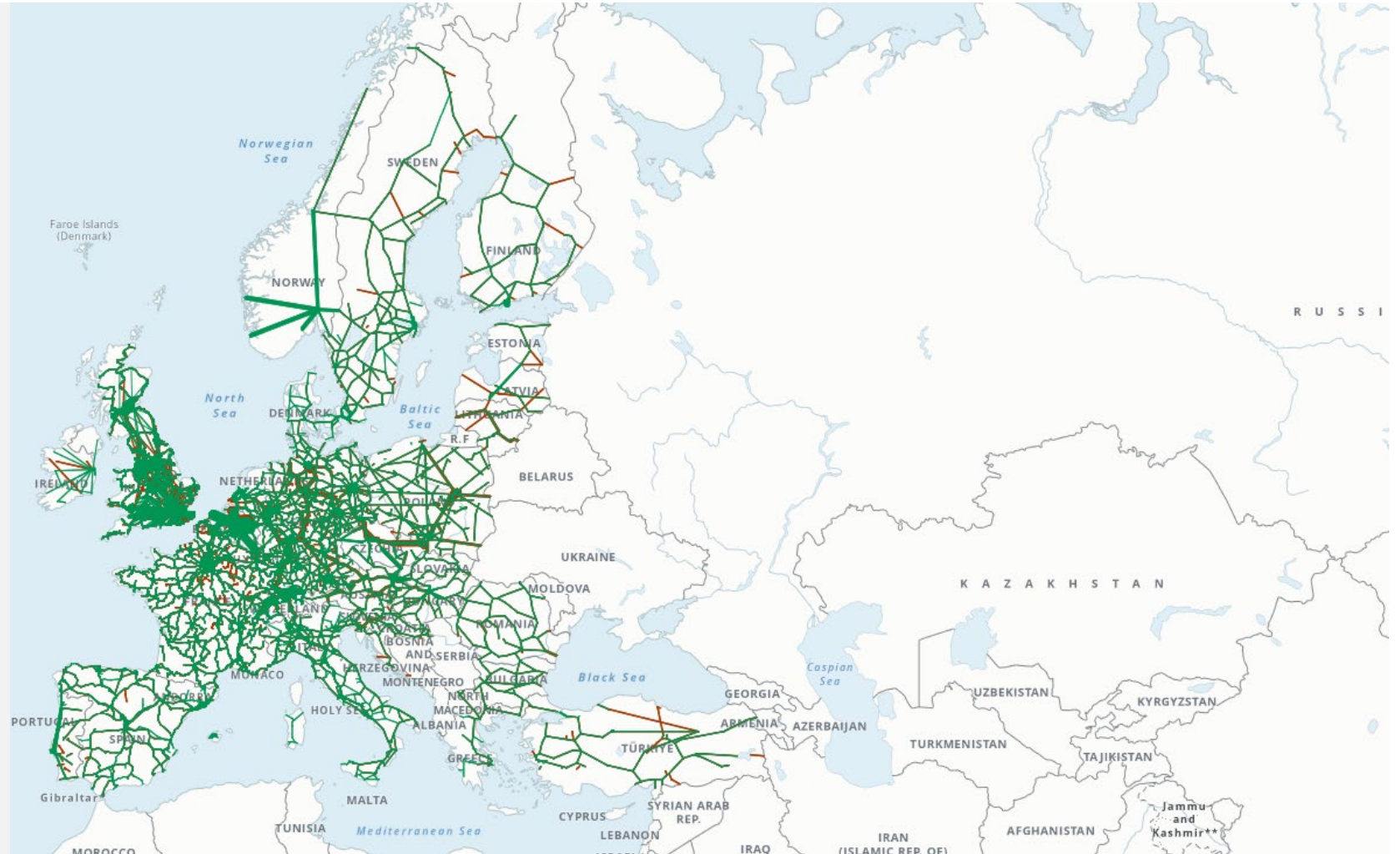TEN: https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:31996D1692

2020 E-Rail Census: Countries Delivering Data

31 countries

- 30 EU and candidate countries
- United Kingdom

28 contracting parties of AGC, 33 of AGTC

2025 E-Road and E-Rail Censuses: Recommendations

- **Road**: ECE/TRANS/WP.6/2023/2 (https://unece.org/transport/documents/2023/03/working-documents/recommendations-e-road-census-2025)

- **Rail**: ECE/TRANS/WP.6/2018/8 (https://unece.org/DAM/trans/doc/2018/wp6/ECE-TRANS-WP6-2018-8e.pdf)

- At its 86th session, the ITC **considered and approved** the recommendations to Governments related to 2025 E-Road Traffic Census and E-Rail Traffic Census, and **invited** member States to provide the necessary data

TAKING AMBITIOUS CLIMATE ACTION

Decarbonising inland transport by 2050

Thank you!

Fadiah Achmadi
Secretary, WP.6

UNECE
Date 26 I 04 I 2024, Geneva