TAKING AMBITIOUS CLIMATE ACTION

Decarbonising inland transport by 2050

Monitoring Transport-Related Sustainable Development Goals in ECE region

Fadiah Achmadi, Secretary, WP.6

Transport-Related **Global** Indicators

3.6.1: Death rate due to road-traffic injuries

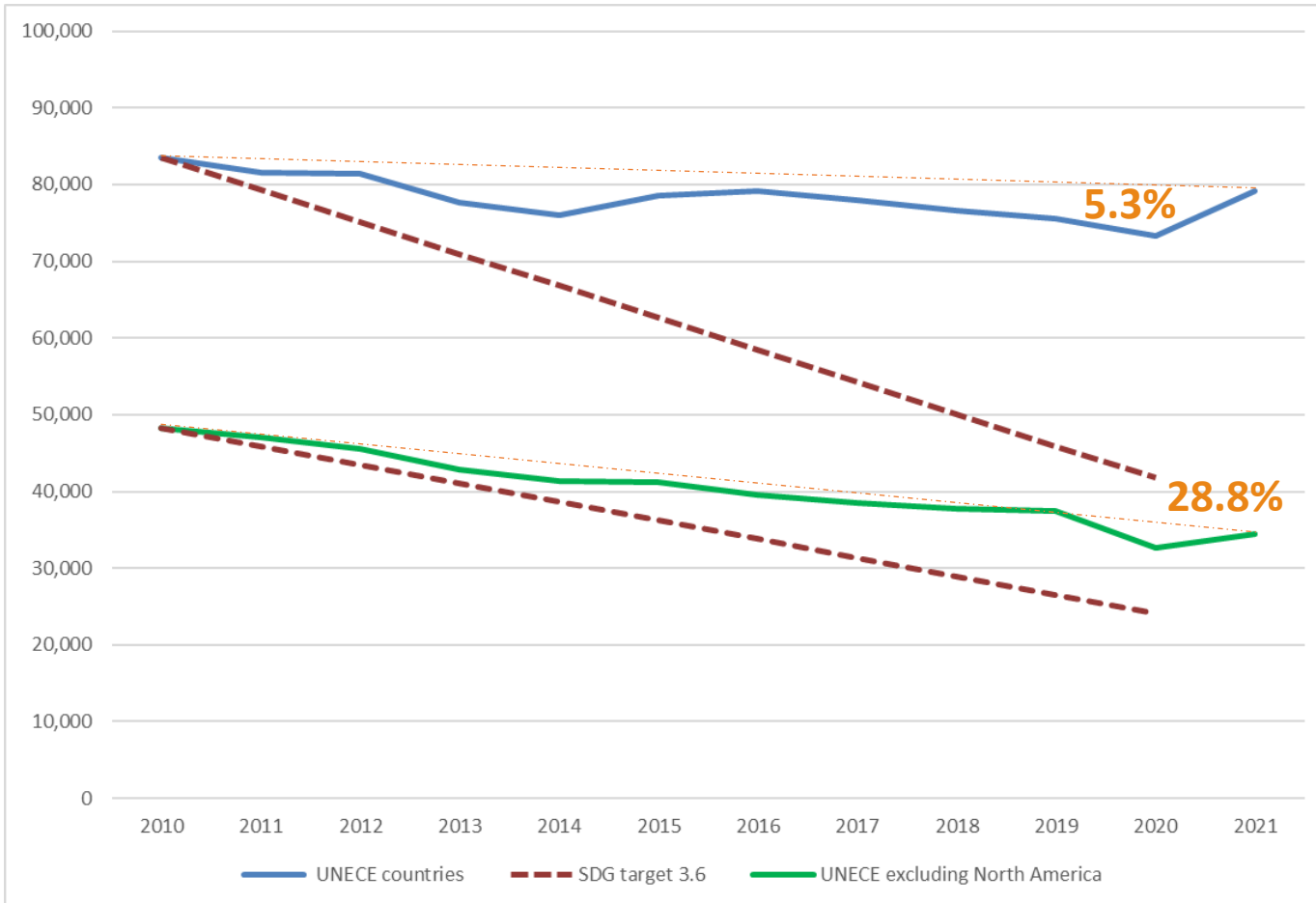9.1.1: % rural population within 2 km of all-season road

9.1.2: Passenger and freight volumes, by mode of transport

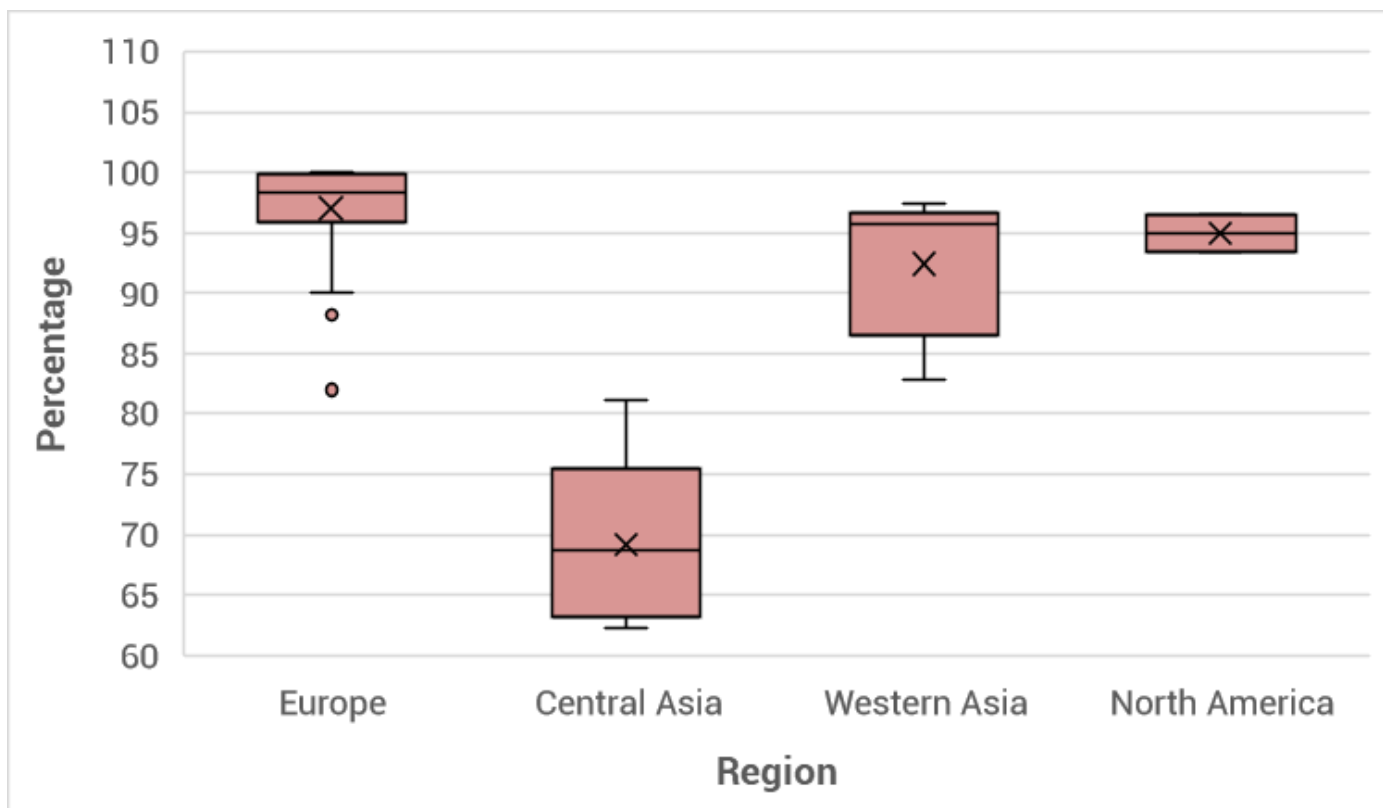11.2.1: Population with convenient access to public transport

Road Traffic Fatalities in UNECE Region

- Indicator **3.6.1**: reduce the number of road fatalities by half

- Excellent data availability for UNECE countries

- Much better improvement in UNECE region excluding North America

- Right direction, but falls short of the objectives of SDG 3.6

2023 Release of SDG Indicators Data Sets, Center for International Earth Science Information Network – CIESIN – Columbia University
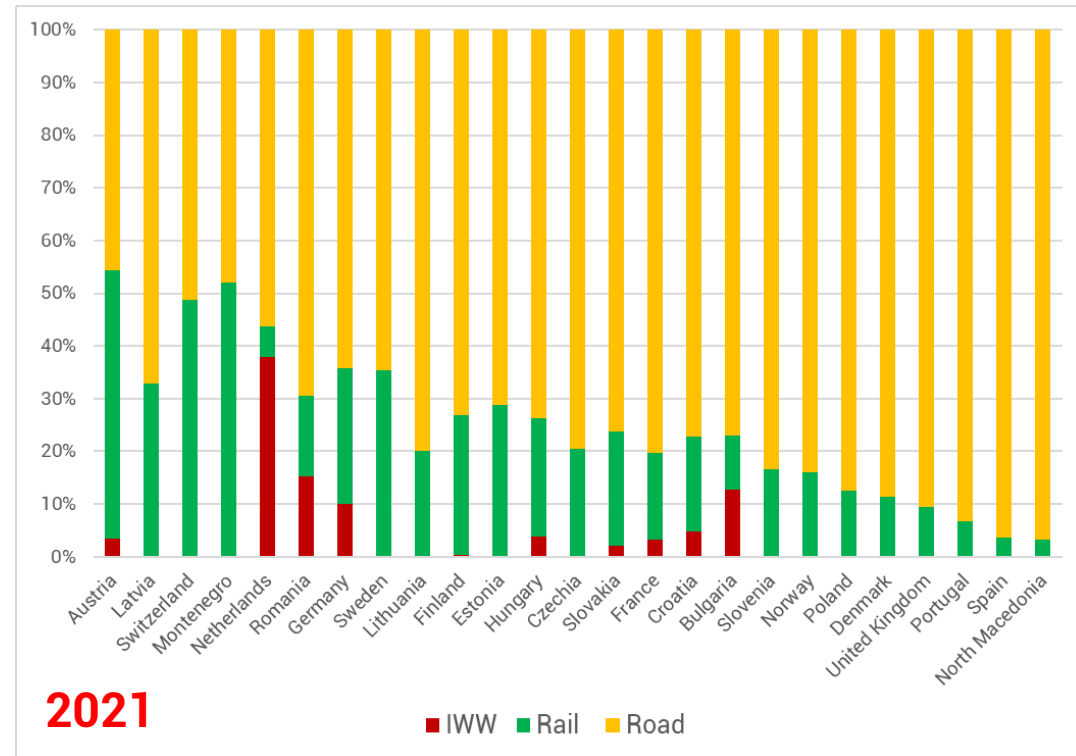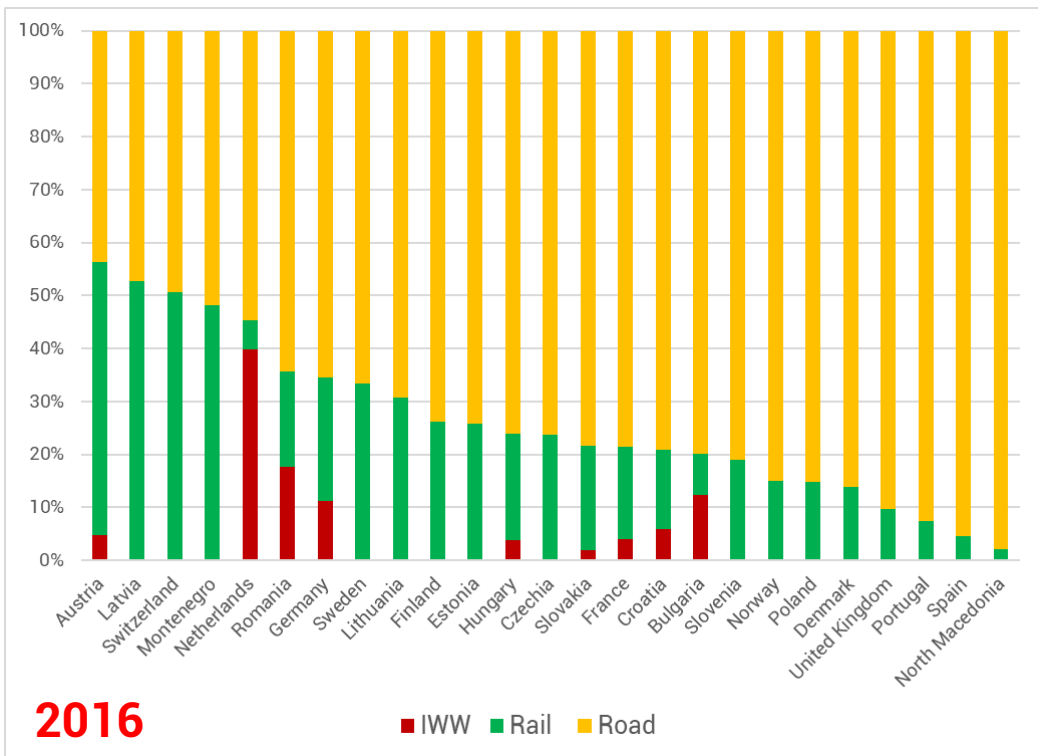
- Indicator **9.1.1**: proportion of rural population with access to an all-season road

- Data not collected by UNECE

- Limited data available on SDG Global Database (25 countries, one UNECE country)

- Reliance on academia?

Modal Split

2016

Legend: IWW, Rail, Road

2021

Legend: IWW, Rail, Road
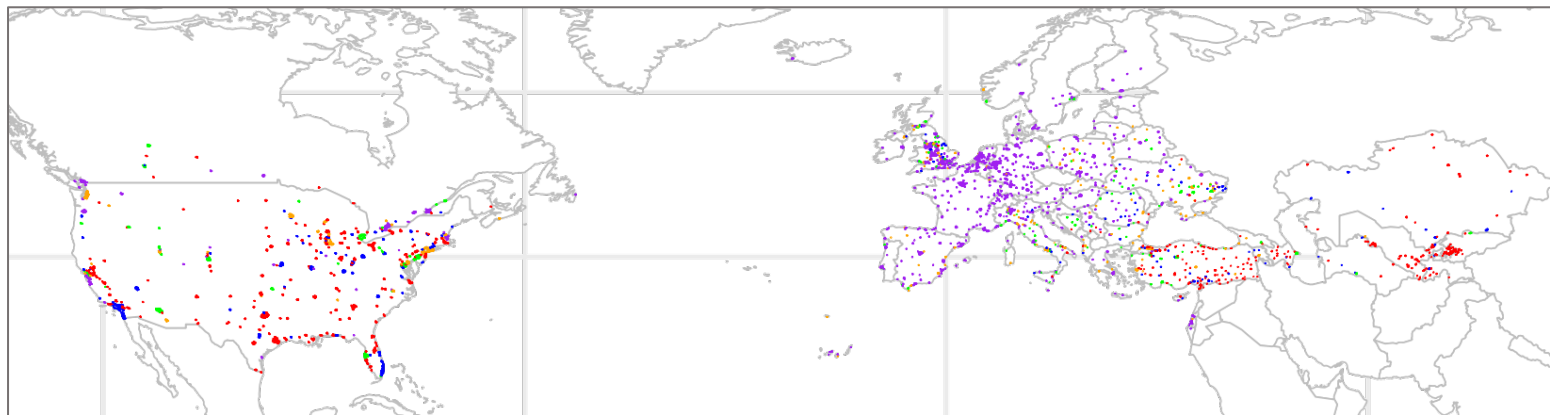
- Indicator **9.1.2**: passenger and freight volumes, by mode of transport
- Data collected through Common Questionnaire

Access to Public Transport

category — 0-20% | 21-40% | 41-60% | 61-80% | 81-100%

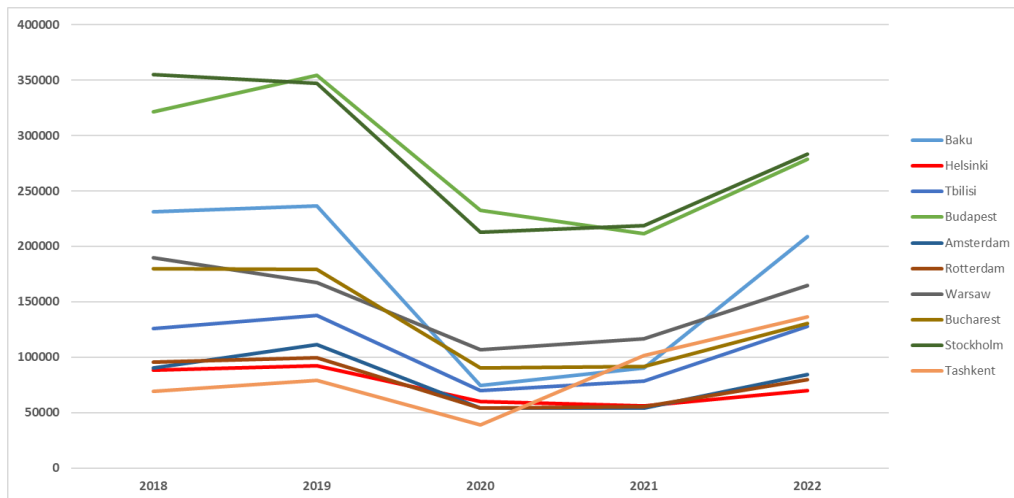*Bubbles represent urban centres categorized by access to public transport*

Source: Center for International Earth Science Information Network - CIESIN - Columbia University. 2023. SDG Indicator 11.2.1: Urban Access to Public Transport, 2023 Release. Palisades, New York: NASA Socioeconomic Data and Applications Center (SEDAC). https://doi.org/10.7927/1a5z-3h71. Accessed on 29 November 2023.

- Indicator **11.2.1**: proportion of population that has convenient access to public transport, by sex, age and persons with disabilities

- (Access)Data not collected by UNECE, but tram and metro data by city show public transport **use**
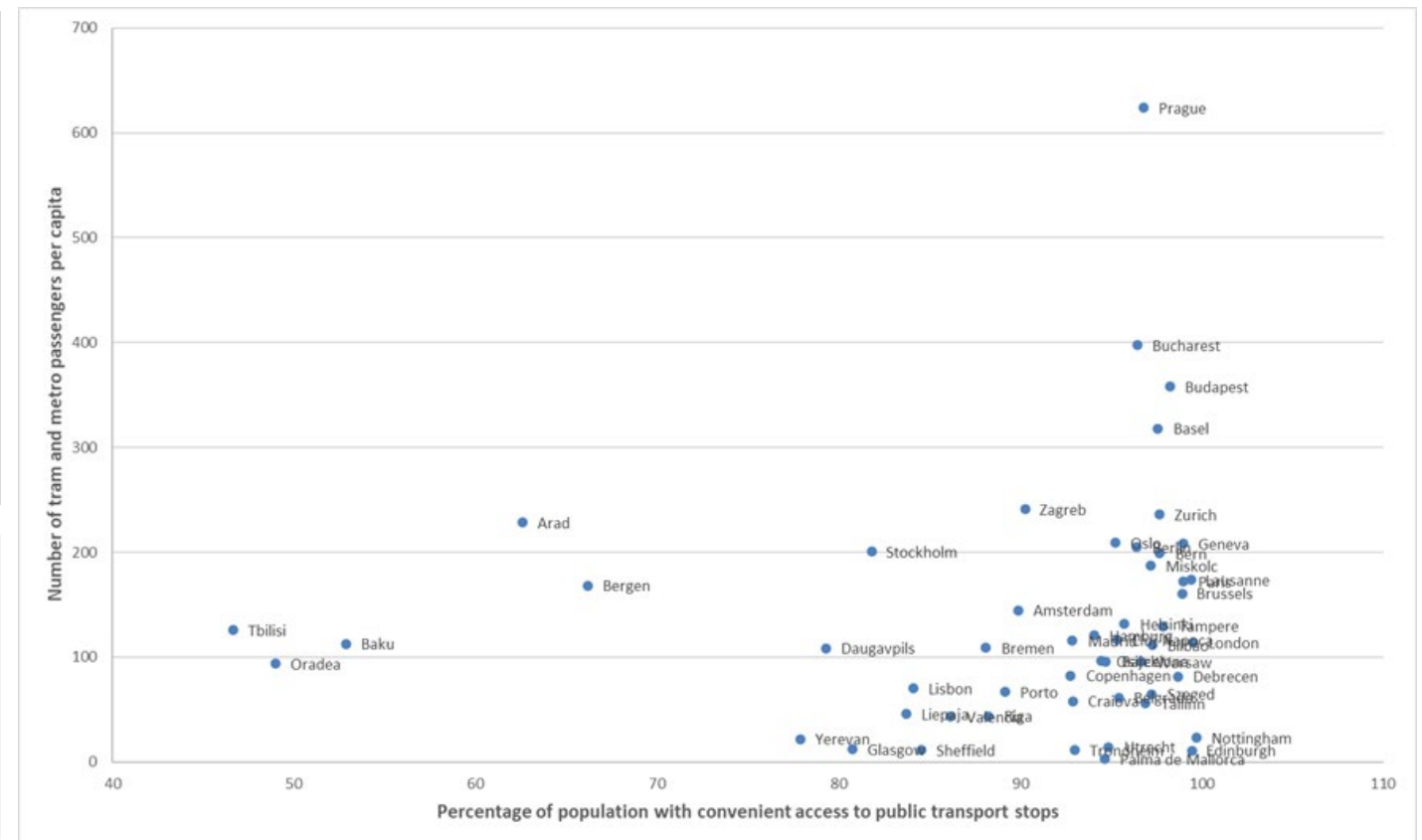
Annual metro ridership in selected cities

Per capita public transport passengers vs population access, 2022

Most recent collection of tram and metro statistics:

- **August – November 2023**

- **162 cities, 29 member States**

Transport-Related Regional Indicators

Decided by the Working Party at the 74th session

3 GOOD HEALTH AND WELL-BEING

Breakdown of road fatalities by type of road user

11 SUSTAINABLE CITIES AND COMMUNITIES **13 CLIMATE ACTION**

Percentage of new passenger cars that are zero emissions
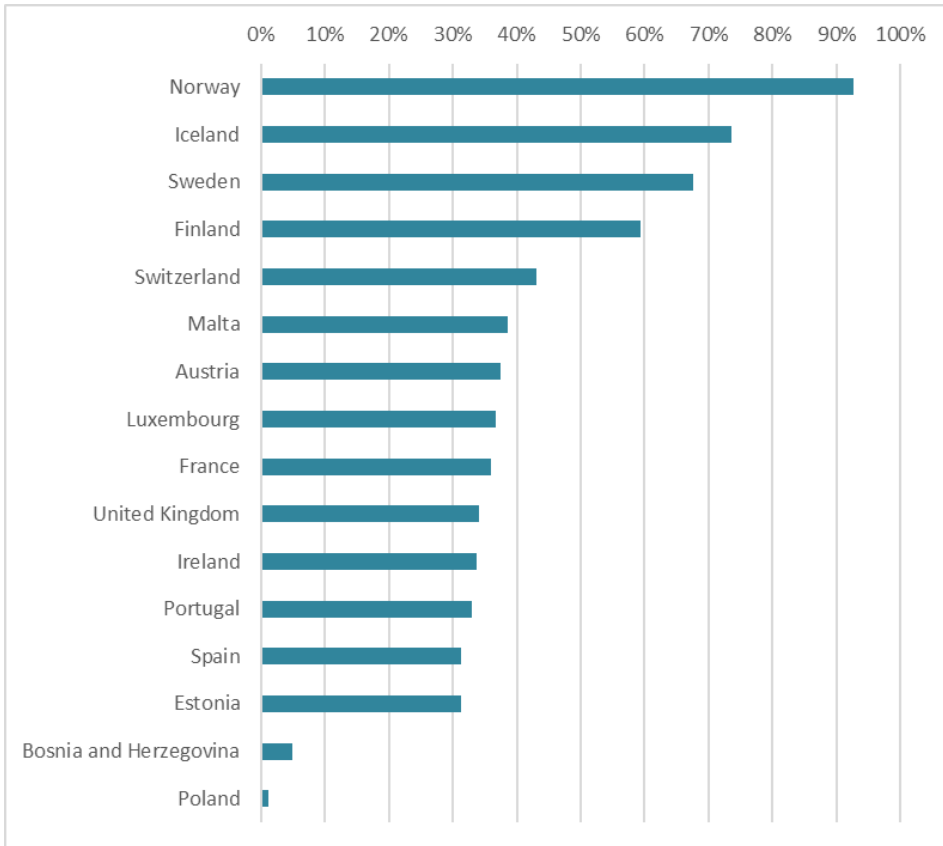
13 CLIMATE ACTION

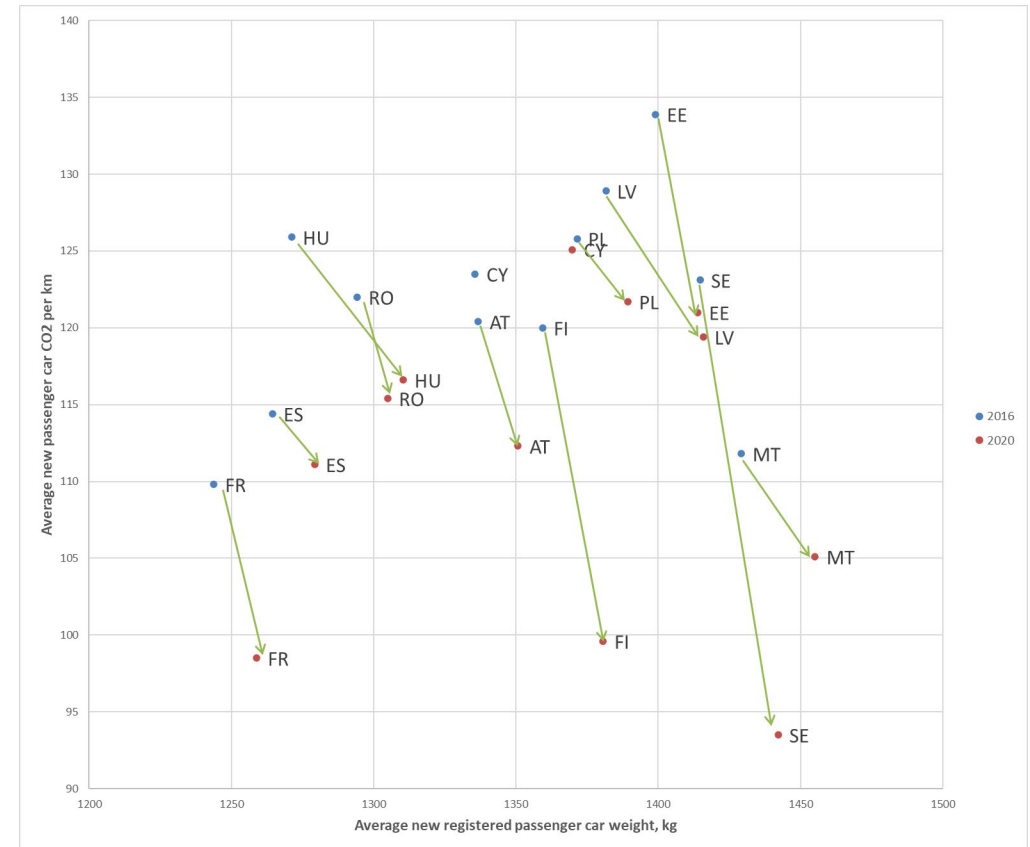Trends in new passenger car vehicle weight

New Passenger Cars

% New passenger car registrations (not fully petrol nor diesel), 2021

Source: UNECE Transport Database

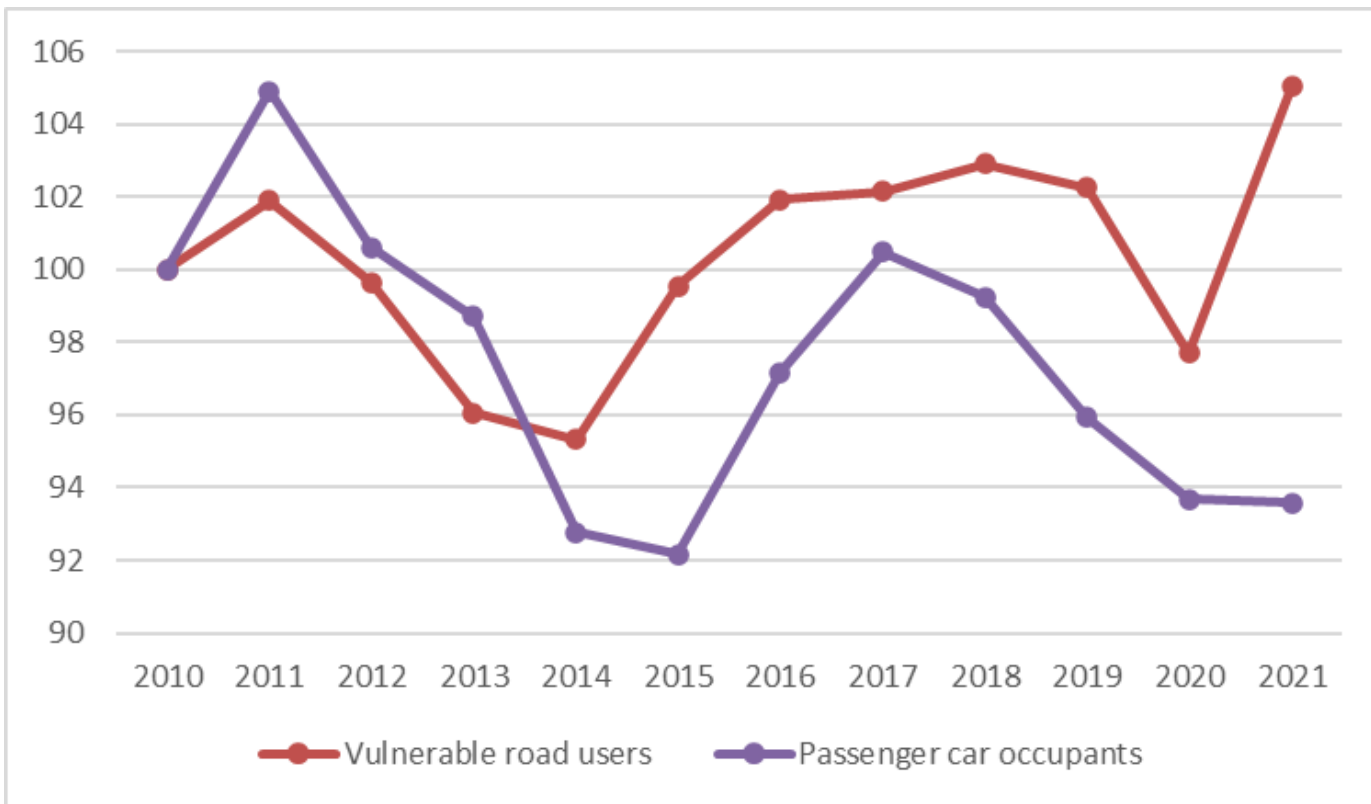## New passenger car CO2 emissions vs average weights

Source: Eurostat road_eqr_unlweig and sdg_12_30 tables

Disaggregated Data by Type of Road User

Index of fatalities, passenger car occupants vs VRUs

- Near-complete data availability and clear reference to transport safety

- Progress appears non-uniform between the two groups (data for 20 UNECE countries)

- Underreporting of VRU-related fatalities

- COVID-19 pandemic could increase VRU numbers

Country-Specific Indicators

3 GOOD HEALTH AND WELL-BEING

% of population exposed to severe traffic nuisance and air pollution

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

% of GDP spent on transport infrastructure

Density of paved public roads

11 SUSTAINABLE CITIES AND COMMUNITIES

Independent use of public transport by persons with disabilities

Time lost due to traffic congestion and delays

Bicycle km per capita

13 CLIMATE ACTION

Final energy consumption in both goods and passenger transport

Share of non-motorized transport modes

TAKING AMBITIOUS CLIMATE ACTION

Decarbonising inland transport by 2050

Thank you!

Fadiah Achmadi
Secretary, WP.6

UNECE
Date 24 I 04 I 2024, Geneva