



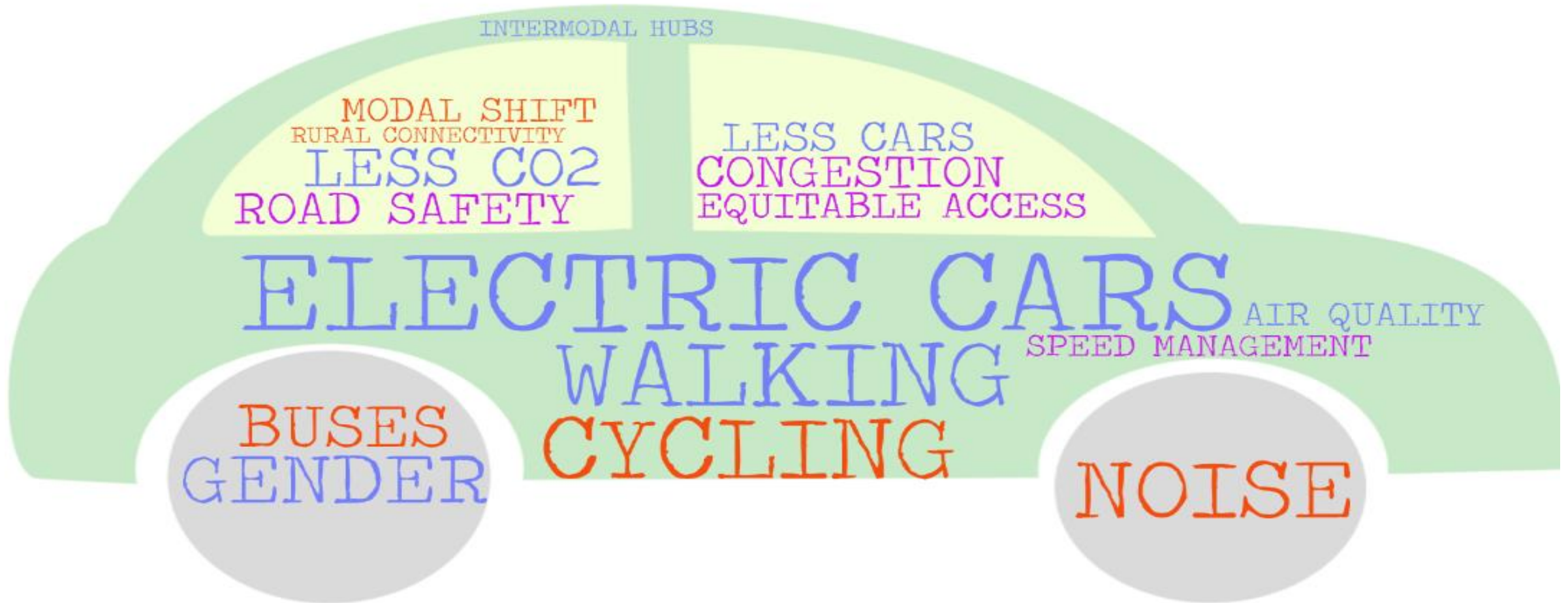
Transport-related SDGs: global, regional and national monitoring



UNECE

Alex Blackburn; UNECE

What do you think when you hear Transport and SDGs?



Transport-Related SDGs: Global Level



- 3.6.1. Halving road traffic fatalities by 2030.
- 9.1.1 Proportion of rural population within 2km of all-season road.
- 9.1.2 Passenger and freight volumes.
- 11.2.1 % Urban population w/convenient public transport access.

(But what is missing??)

3 GOOD HEALTH AND WELL-BEING



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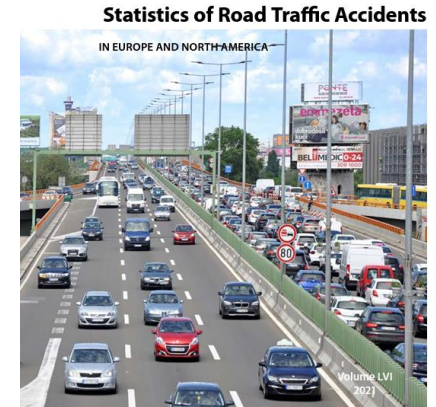
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Existing UNECE Monitoring: Road Safety 3.6

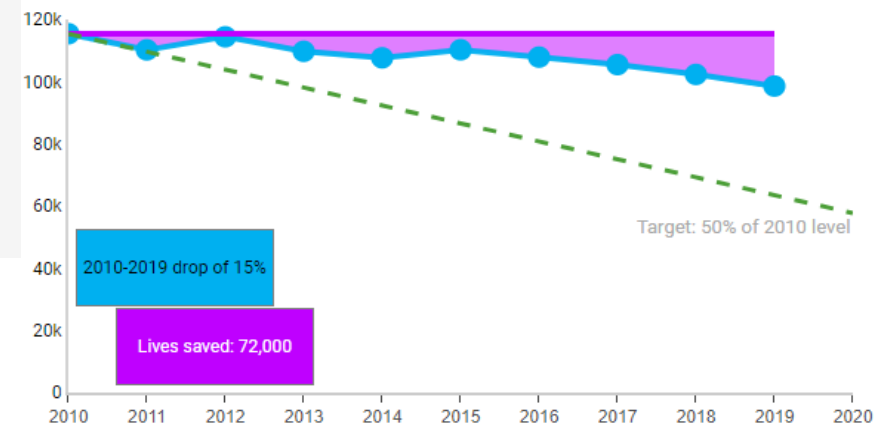


- UNECE Road Safety data collate official statistics from all 56 member States ($\approx 100\%$ data availability at top level).
- High data granularity: breakdowns by sex, age, road user, type of accident, time, road condition, light condition etc.
- Biennial publication dedicated to this.
- In ECE region, progress has been made but not enough to meet SDG target.

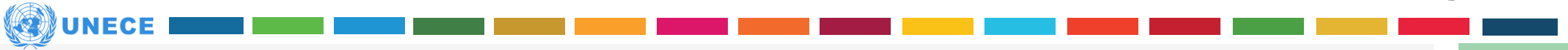


FATALITIES HAVE DECREASED, BUT NOT FAST ENOUGH

Traffic fatalities, UNECE region total



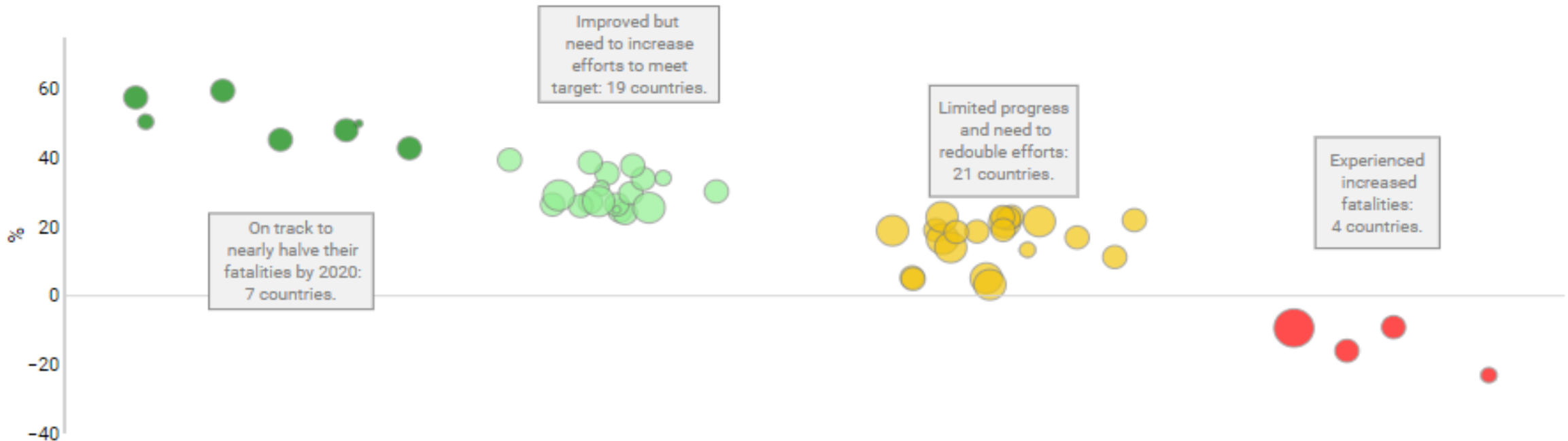
Existing UNECE Monitoring: Road Safety 3.6



- Country progress remains mixed. Countries close to reaching the target (2010-2019 comparison): Turkmenistan, Belarus, Montenegro, Greece, Norway, Switzerland. Many countries stagnating or going backwards.



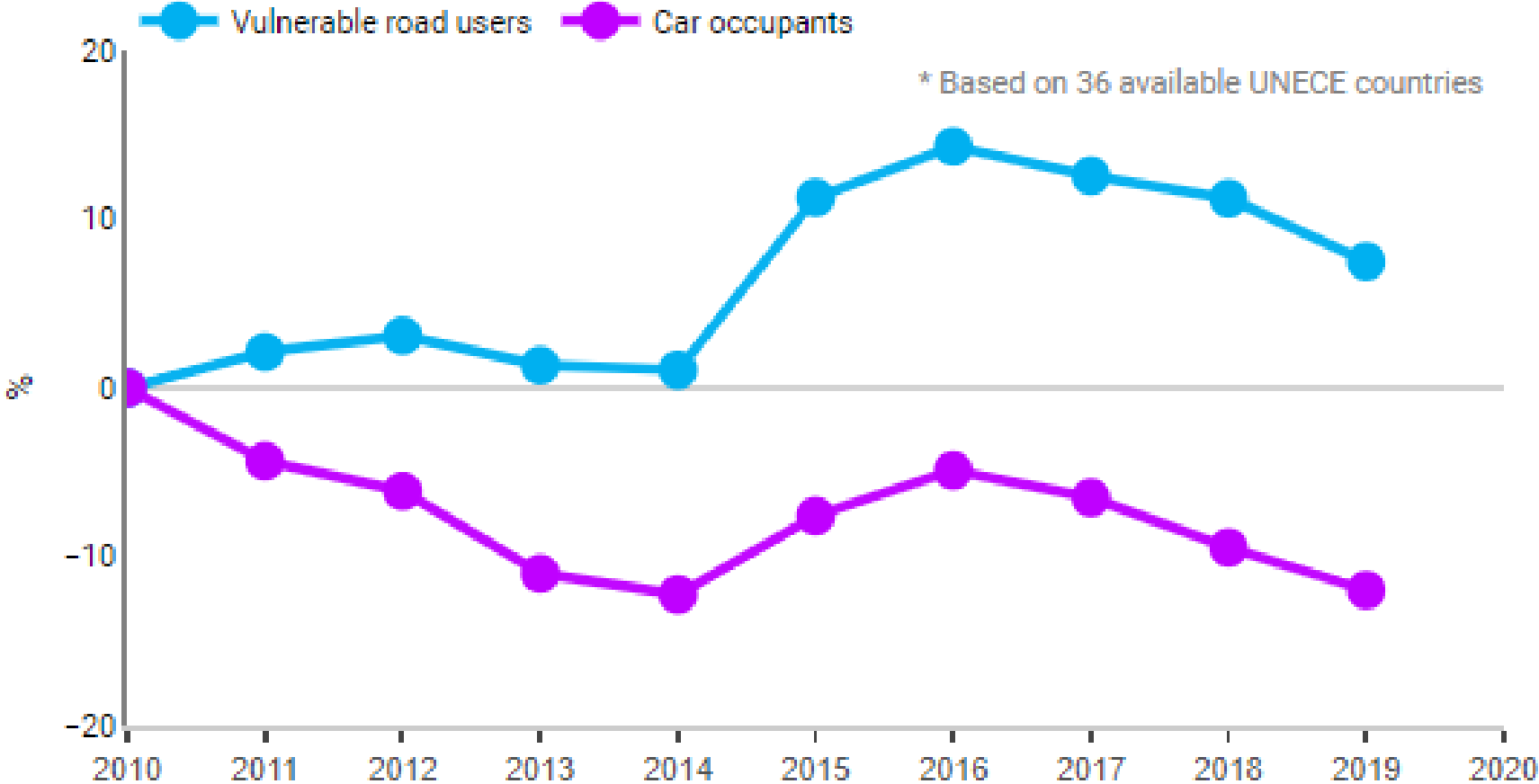
Country changes 2010-2019



Existing UNECE Monitoring: 3



Fatality changes by road user*



Existing UNECE Monitoring: 9

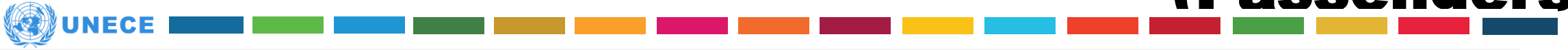


- **Indicator 9.1.1: Proportion of rural population within 2km of all-season road**
 - Of less relevance to most UNECE countries (+ data not widely available)
- **Indicator 9.1.2: Passenger and freight volumes.**
 - Open to interpretation. Most useful as a **modal split** indicator

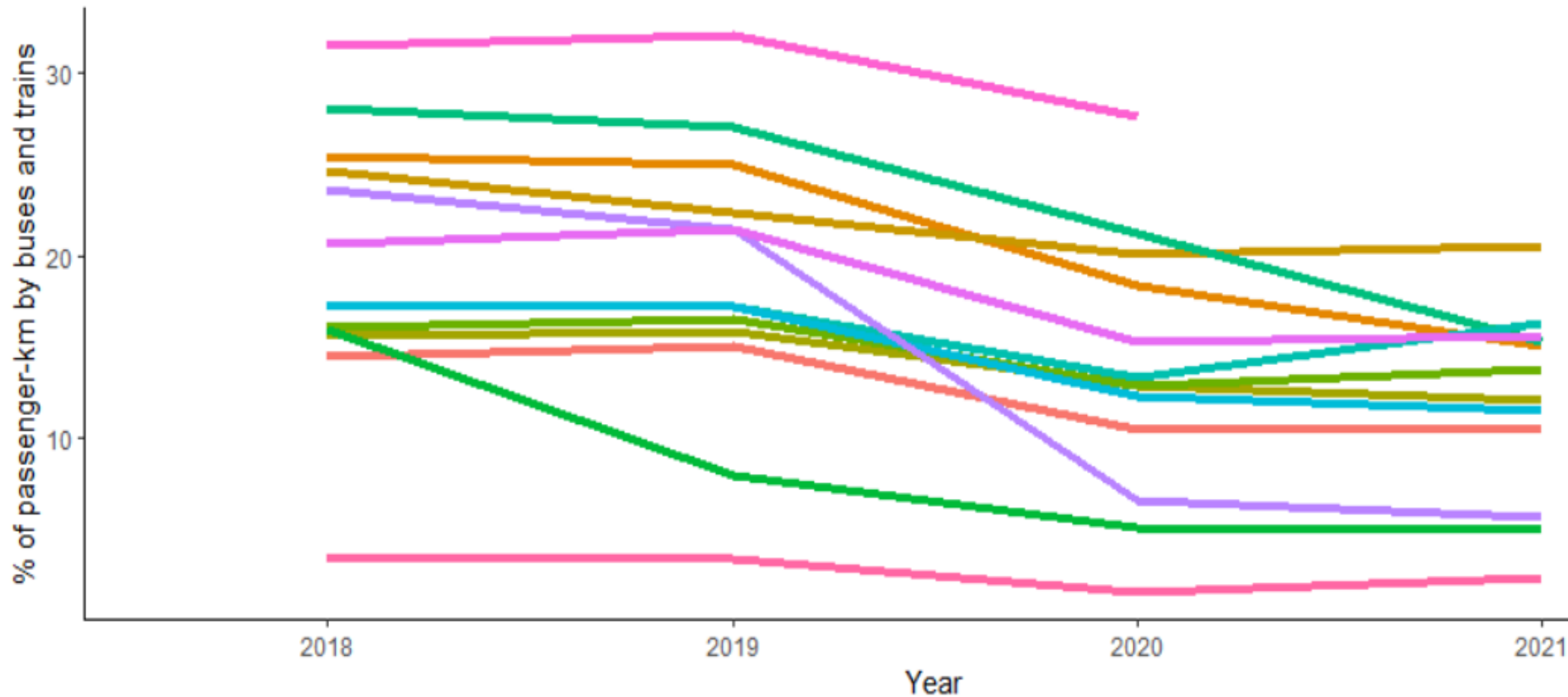
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Existing UNECE Monitoring: 9.1.2 (Passengers)



Passenger Modal Split: COVID impact on public transport still apparent in 2021

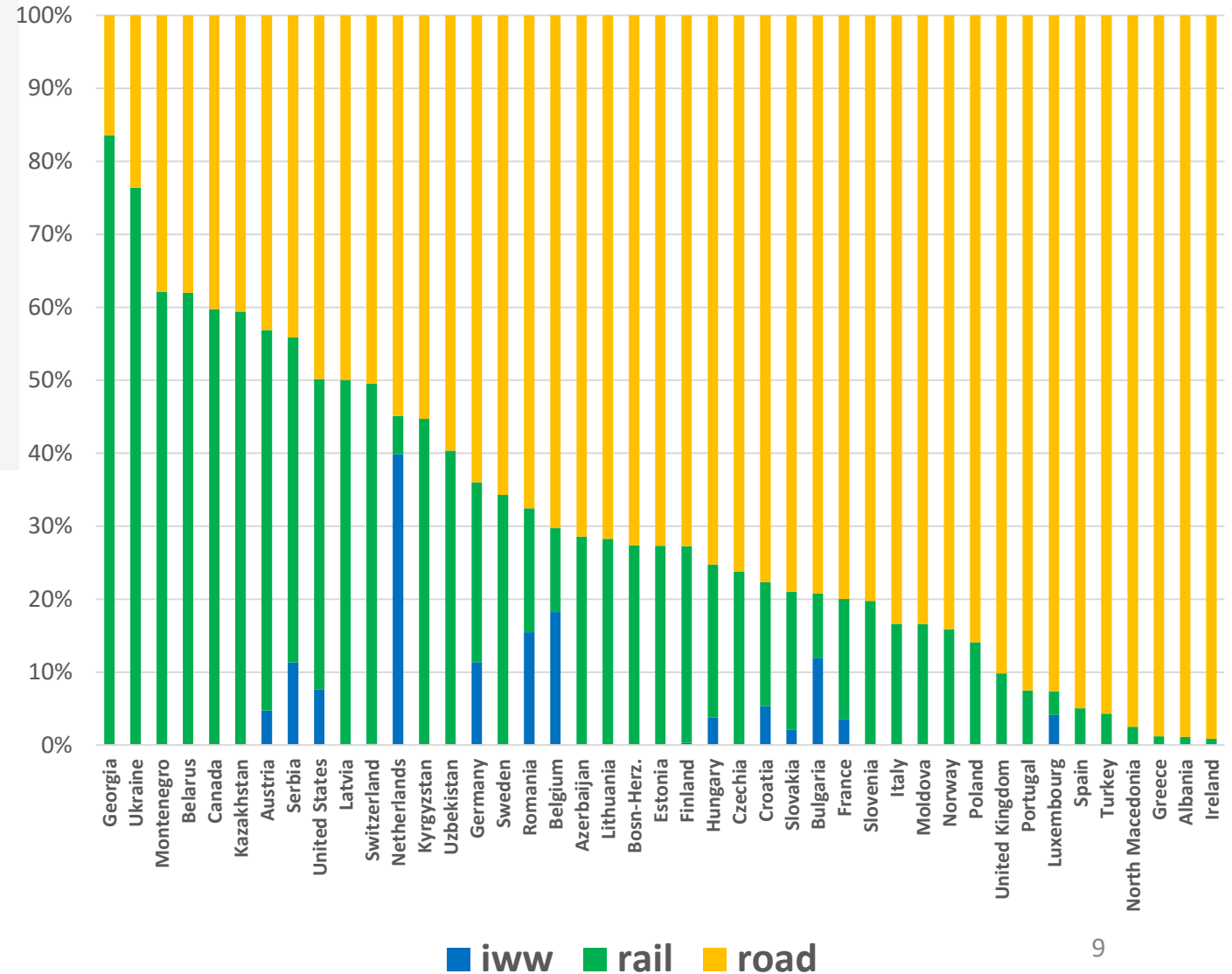


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Existing UNECE Monitoring: 9.1.2 (Freight)



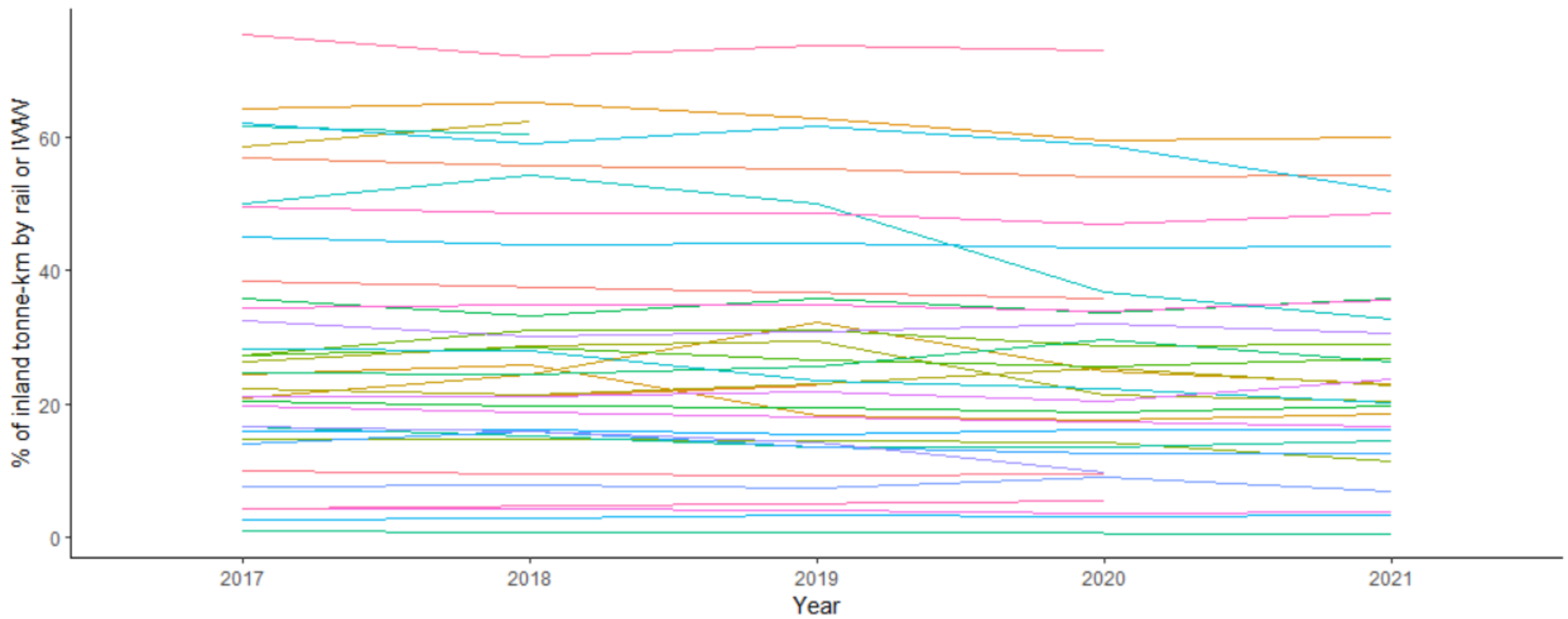
Every tonne-km transferred from road to rail saves ~1800 kJ of energy, or 132g CO2 (IEA)



Existing UNECE Monitoring: 9.1.2 (Freight)



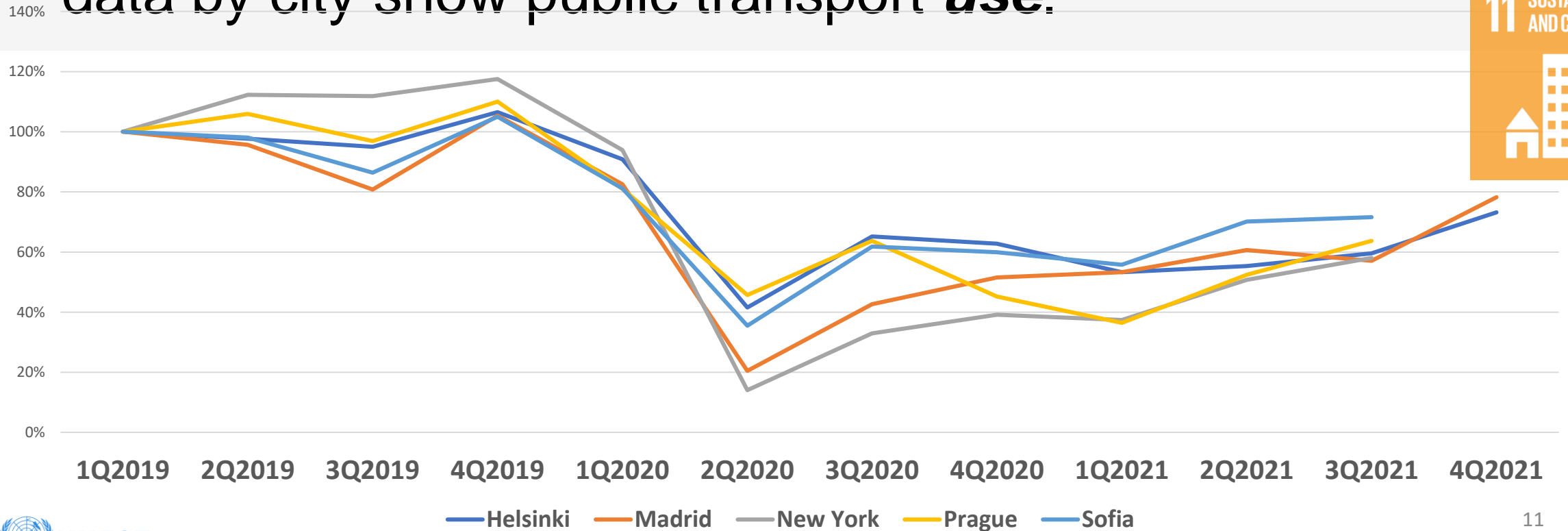
20 countries decreased their rail+IWW share of modal split 2017-2021; 8 countries increased.



Existing UNECE Monitoring: 11



- 11.2.1 Urban convenient public transport access.
- UNECE does not have access data, but tram and metro data by city show public transport **use**.



UNECE SDG Monitoring



- That's UNECE monitoring of the global indicators...
- But what are countries doing at the national level?

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Additional SDG Indicators



- Some UNECE countries already use the following:
 - Electric vehicle registrations %
 - Proportion of population exposed to excessive noise
 - Local air quality
 - Cost of transport
 - Bicycle km per capita
 - Independent use of public transport by persons with disabilities

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Transport SDGs What do we want to do?



- Regional indicators should provide value for sustainable transport monitoring in our region.
- They should:
 - Have good data availability
 - Have a clear relevance.
- They do not (necessarily) need to have an explicit target

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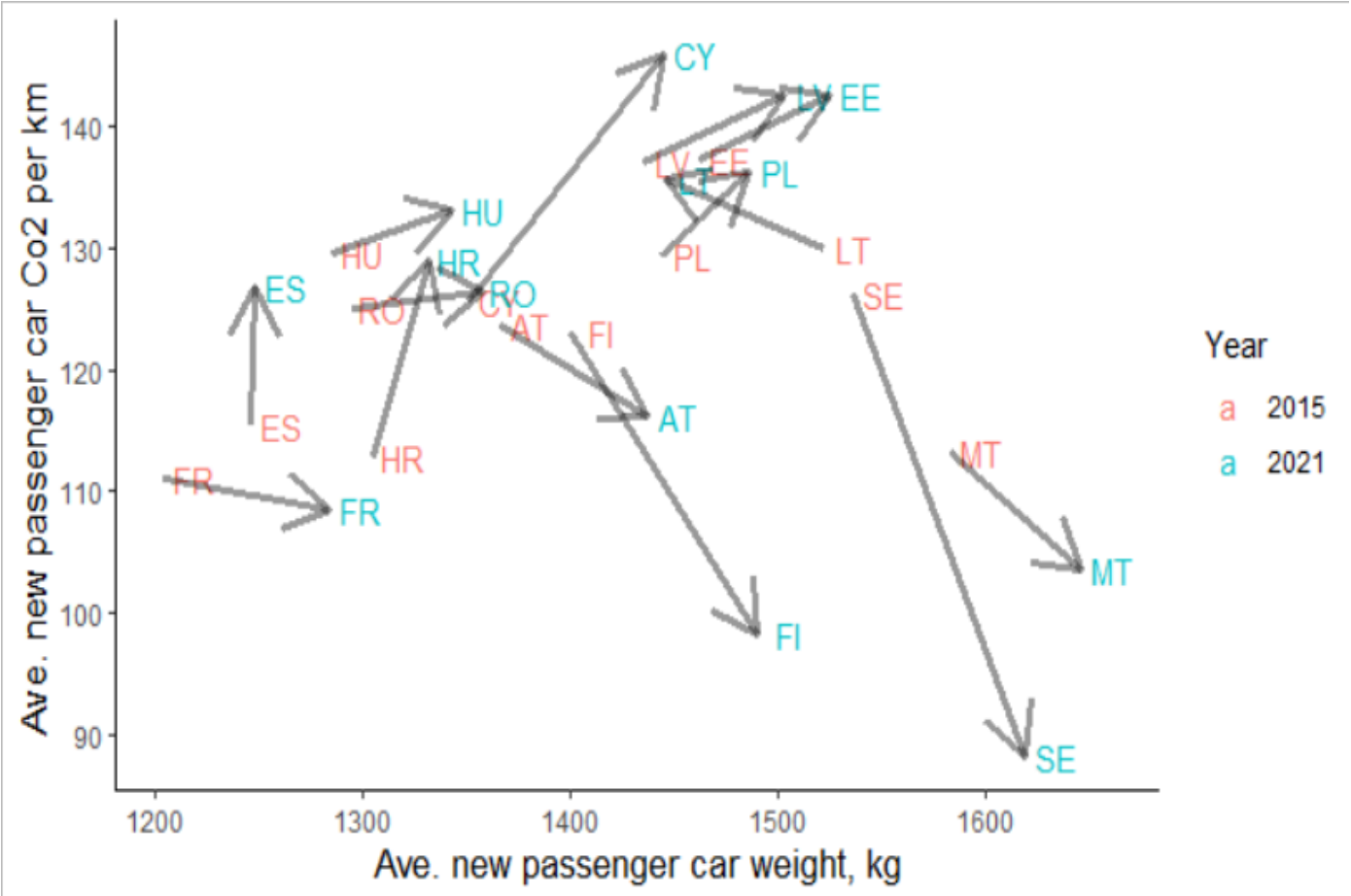
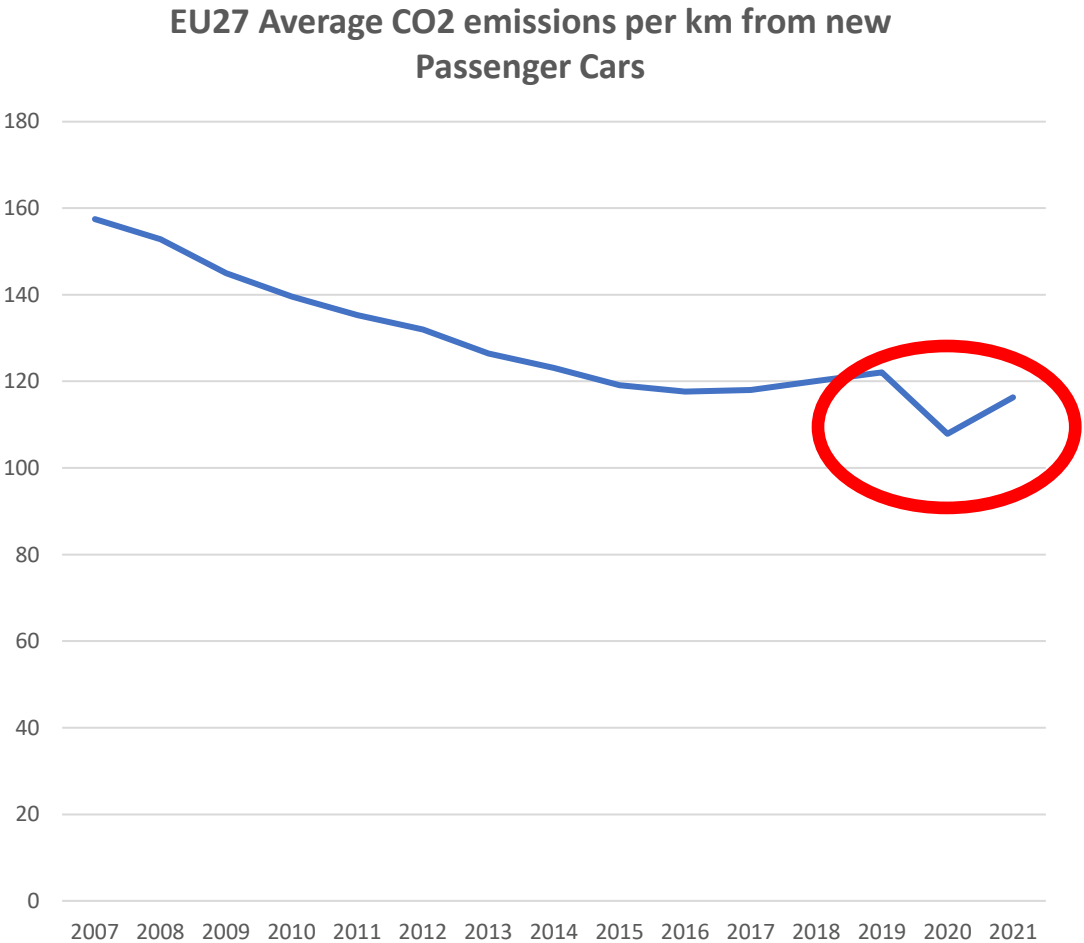
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Indicators That Provide Context?



Transport SDGs: UNECE-specific indicators proposals



1. % of new registrations that are BEV (include PHEV too?).
 - Complementary indicator: Vehicle weight.
2. Road fatalities by **type of road user** (focus on vulnerable road users)

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Transport SDGs What do we want to do?



- National ownership of SDG process is crucial to success. Let's showcase national indicators along with the global and regional ones.
- This can include “official” SDG indicators.
- But also:
 - “sustainable transport” indicators
 - “Post-Covid-19” indicators
- Taking indicators from existing frameworks (environment, climate change) recommended
- Indicators to feed in to a UNECE microsite.

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Transport SDGs Microsite



- Based on your feedback, further regional indicators can be included for the UNECE region.
 - Total CO₂ from transport?
 - Number of charging points?

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You are invited to:



- Comment on the regional indicators proposed for UNECE.
- Share what indicators your country uses for sustainable transport monitoring. We can include in updates on the microsite.

Thank you!

Alex Blackburn

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