

9 FORUM

EU STRATEGY for the ADRIATIC and IONIAN REGION

ŠIBENIK, 15-16 MAY 2024



# Policy reforms and Development of the TEN-T Rail Network in Western Balkan

Sibenik, 16 May

Dejan Lasica

16 May, 2024

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# Policy reforms in the Western Balkan

- EU Rail Legislation, transposition and implementation
- Annex I.2 of Treaty
- Rail Action Plan for the Western Balkan

<https://www.transport-community.org/wp-content/uploads/2020/11/Rail-Action-Plan.pdf>

- Strategy for Sustainable and Smart Mobility in the Western Balkans

<https://www.transport-community.org/wp-content/uploads/2021/06/Strategy-for-Sustainable-and-Smart-Mobility-in-the-Western-Balkans.pdf>

- EU Economic and Investment Plan
- Progress Report on implementation of the RAP
- Development of indicative TEN-T Network in Western Balkan

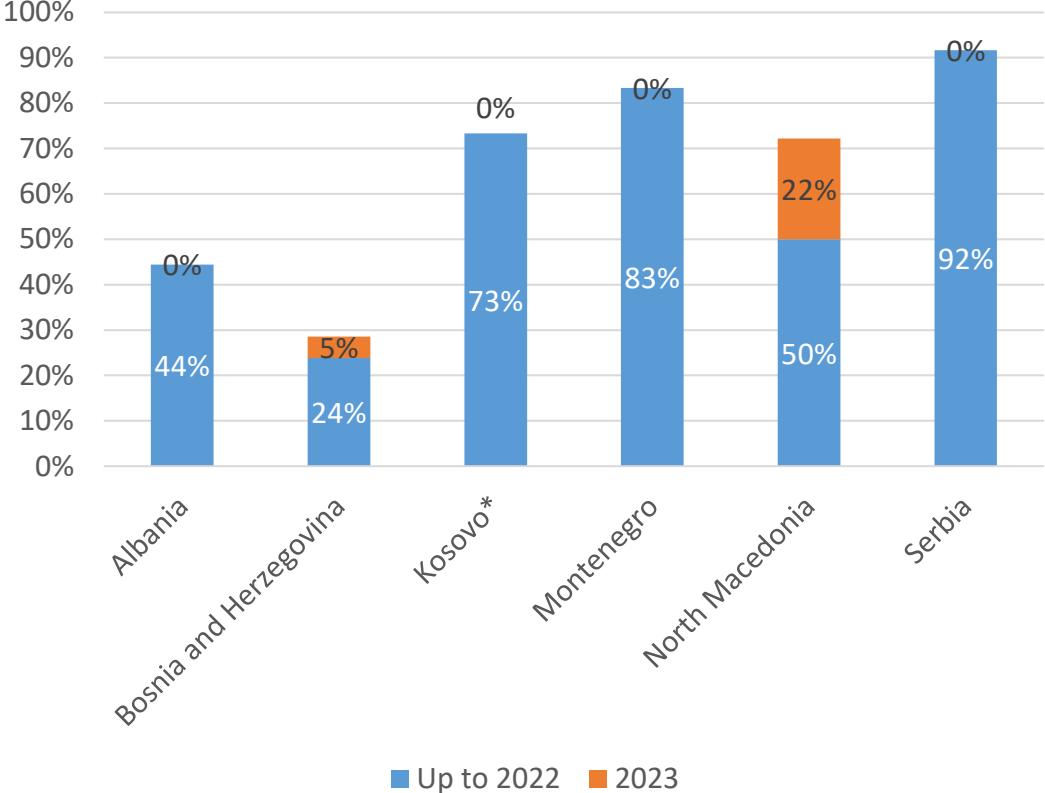
## Process of Implementation of the Rail Action Plan

- Rail market opening
- Passenger rights
- Governance
- Interoperability
- Improving rail border-crossing operations
- Modernization of the railway infrastructure

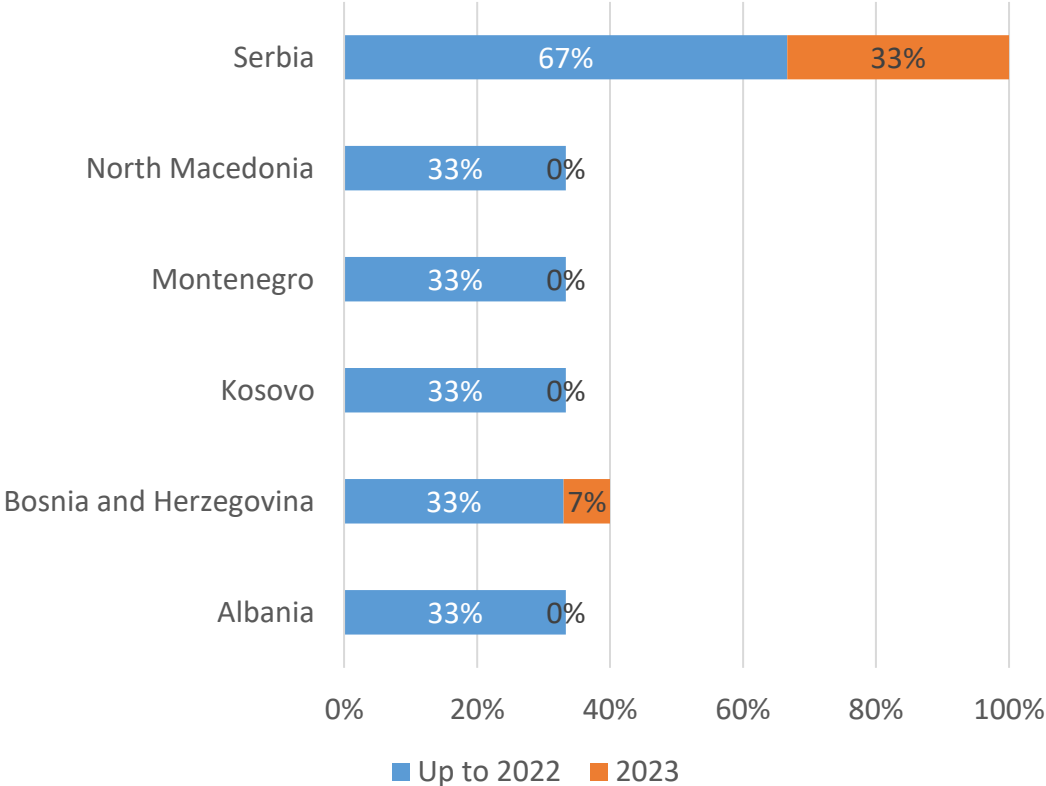
<https://www.transport-community.org/wp-content/uploads/2020/11/Rail-Action-Plan.pdf>

# Rail Action Plan Progress

Rail Market Opening



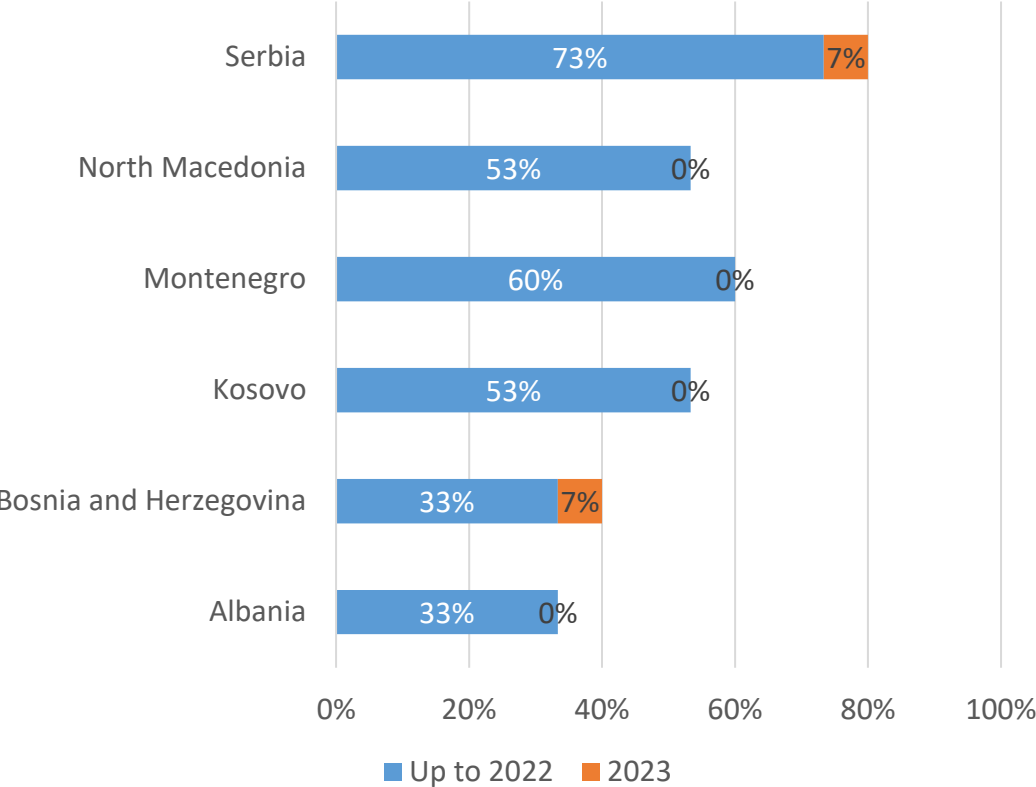
Passenger rights



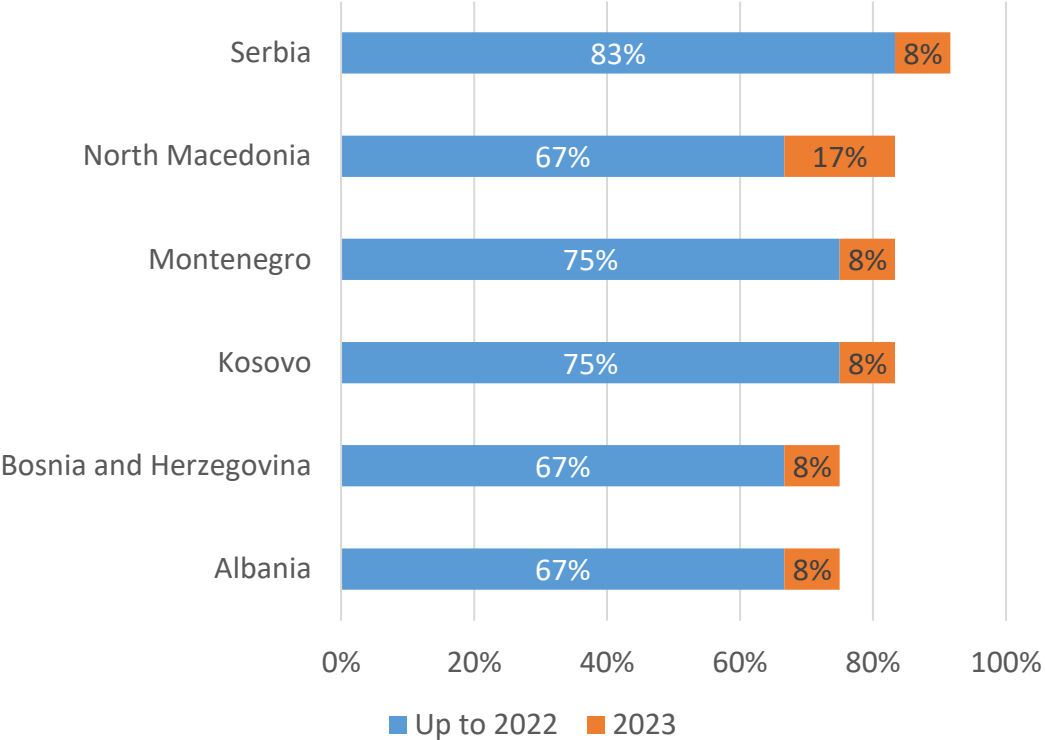
(\* ) This designation is without prejudice to positions on status and is in line with UNSCR 1244 (1999) and the ICJ Opinion on the Kosovo declaration of independence.

# Rail Action Plan Progress

Interoperability

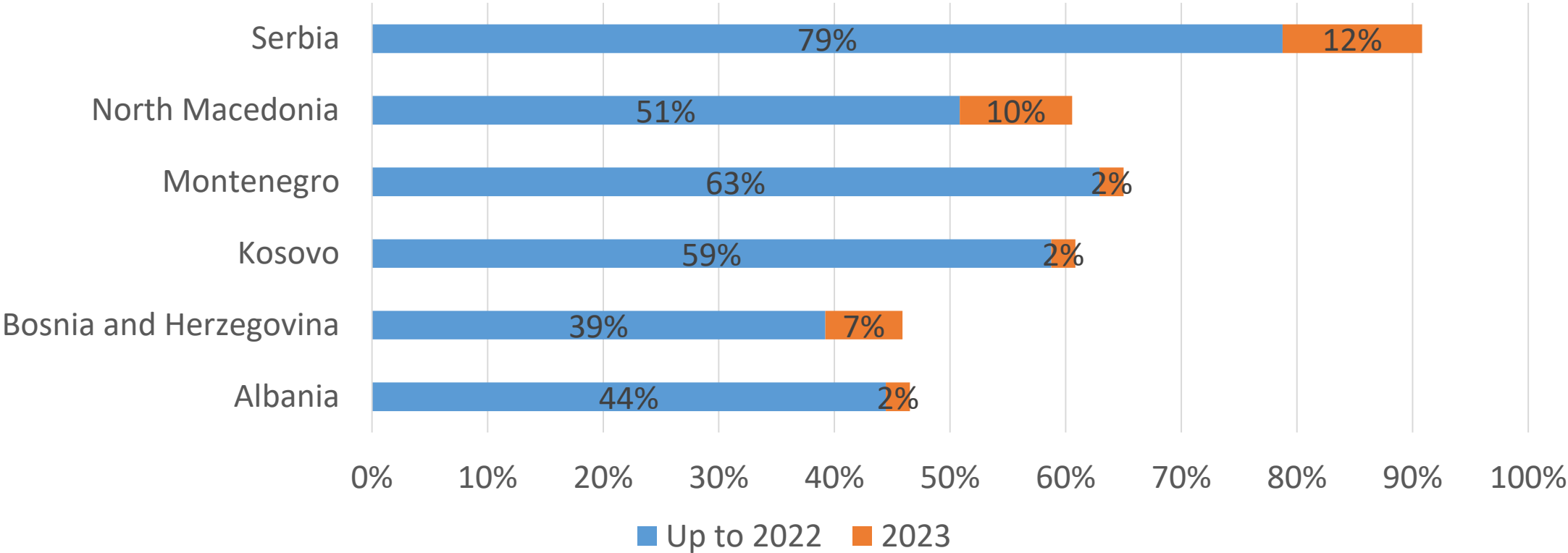


Modernisation of railway infrastructure



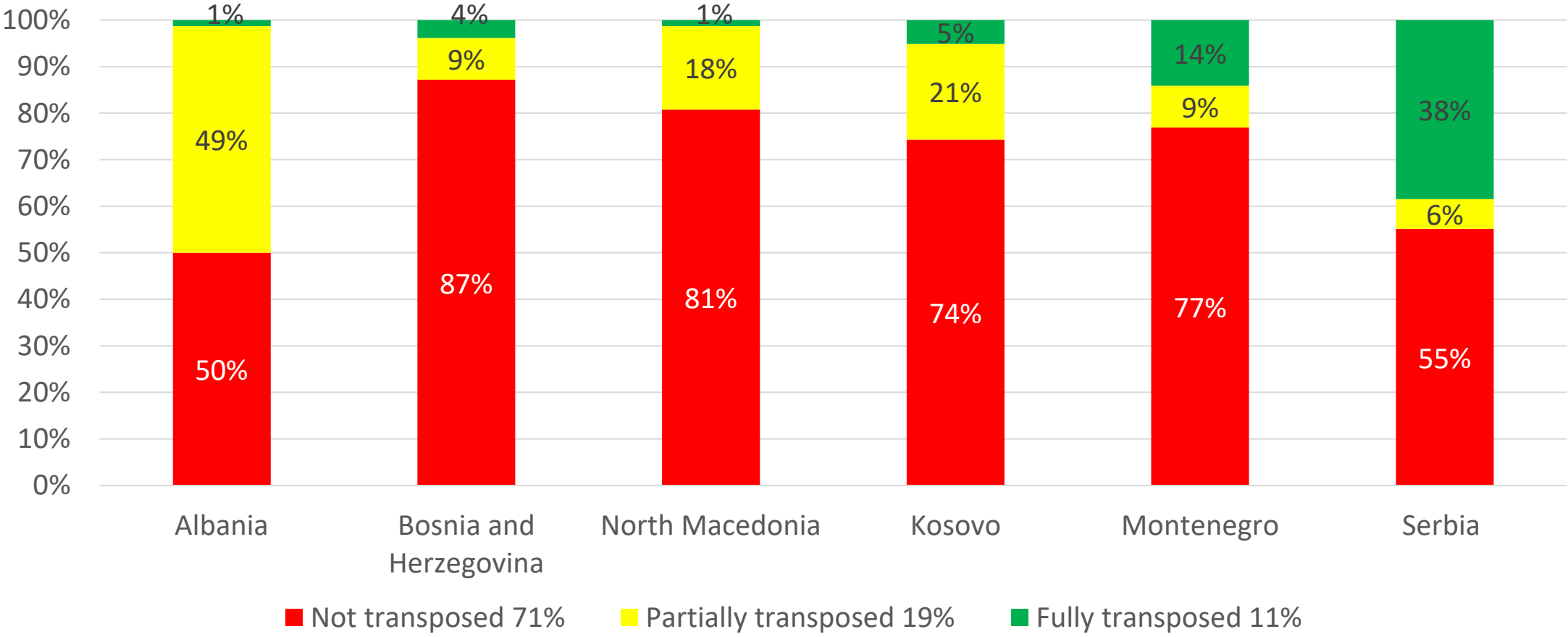
# Rail Action Plan Progress

Overall progress



(\*) This designation is without prejudice to positions on status and is in line with UNSCR 1244 (1999) and the ICJ Opinion on the Kosovo declaration of independence.

# Annex I.2 of Treaty - Progress



# Rail Network - Basic parameters



Western Balkan	Length	Length in operation
Comprehensive	3857	3684
Core	2602	2474

2021

Western Balkan	Length	Length in operation
Comprehensive	3898	3572
Core	2546	2437

2022

Western Balkan	Length	Length in operation
Comprehensive	4007	3817
Core	2623	2570

2023



# Description of TEN-T Network on the WB



- Corridor Vc – 428 km
- Corridor VIII – 426 km
- Corridor X – 730 km
- Corridor Xb – 151 km
- Corridor Xc – 104 km
- Corridor Xd – 145 km
- Route 2– 144 km
- Route 4 – 580 km
- Route 7 – 152 km
- Route 9a– 491 km
- Route 10– 340 km
- Route 11– 138 km
- Route 13 – 28 km

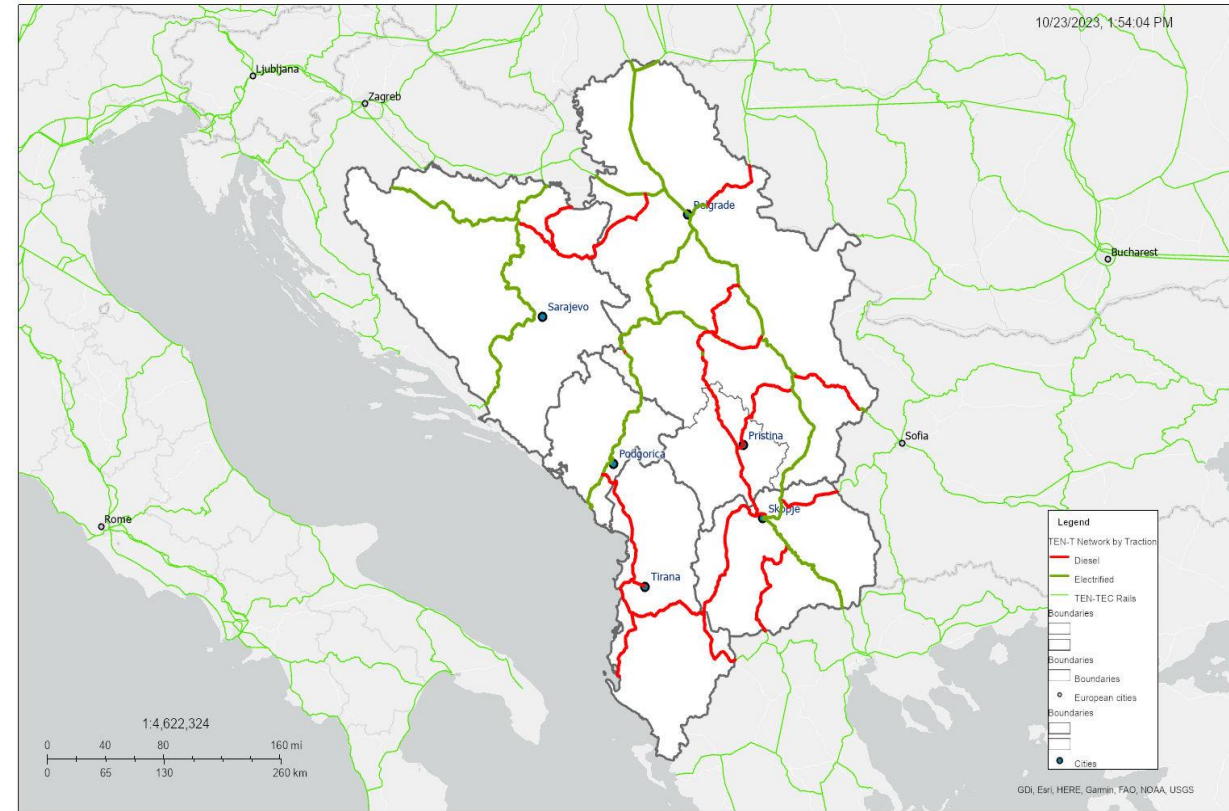
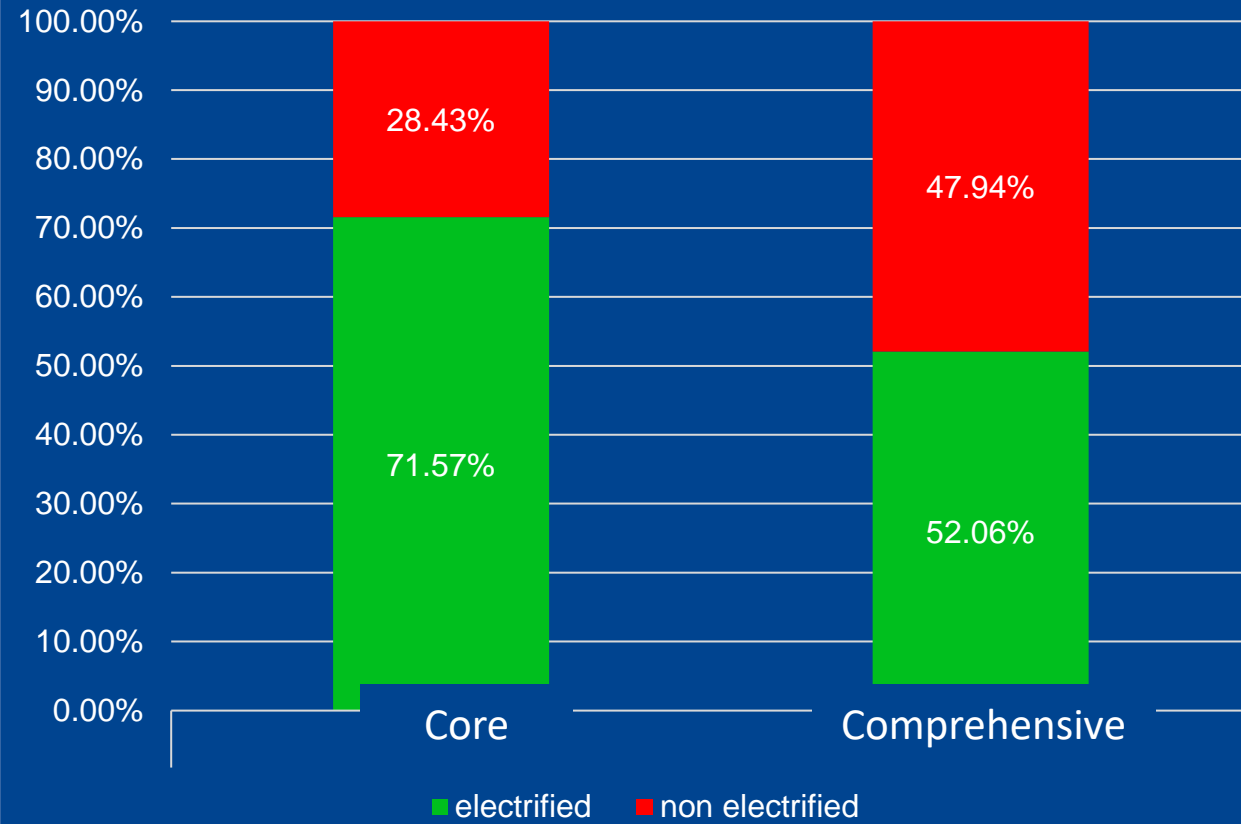




The first-ever Western Balkans European Transport Corridor! Inland waterways and roads, rail freight and passengers, ports and airports, and rail-road terminals, it will connect **eight European Union member states** (Bulgaria, Hungary, Greece, Croatia, Italy, Cyprus, Austria and Slovenia) with the **Western Balkans** into one region.

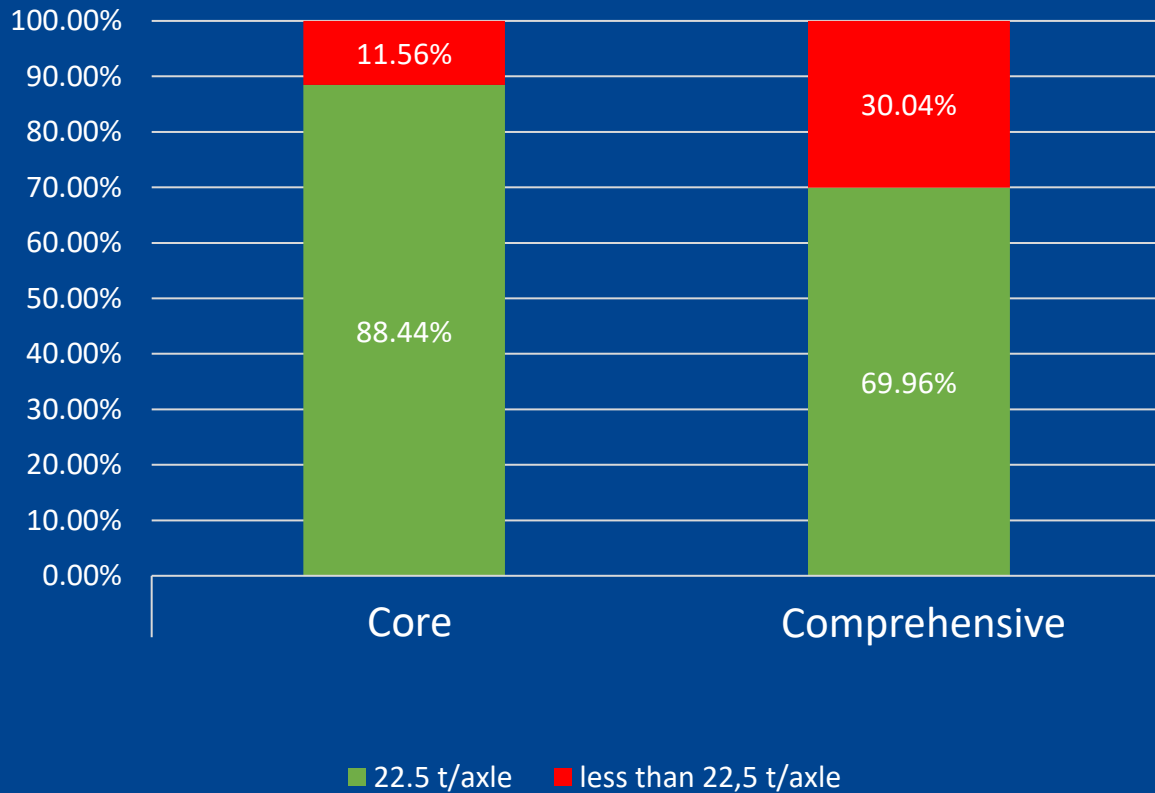
# Rail: Electrification TEN-T Network Compliance

Percentages of electrified and non-electrified lines 2023



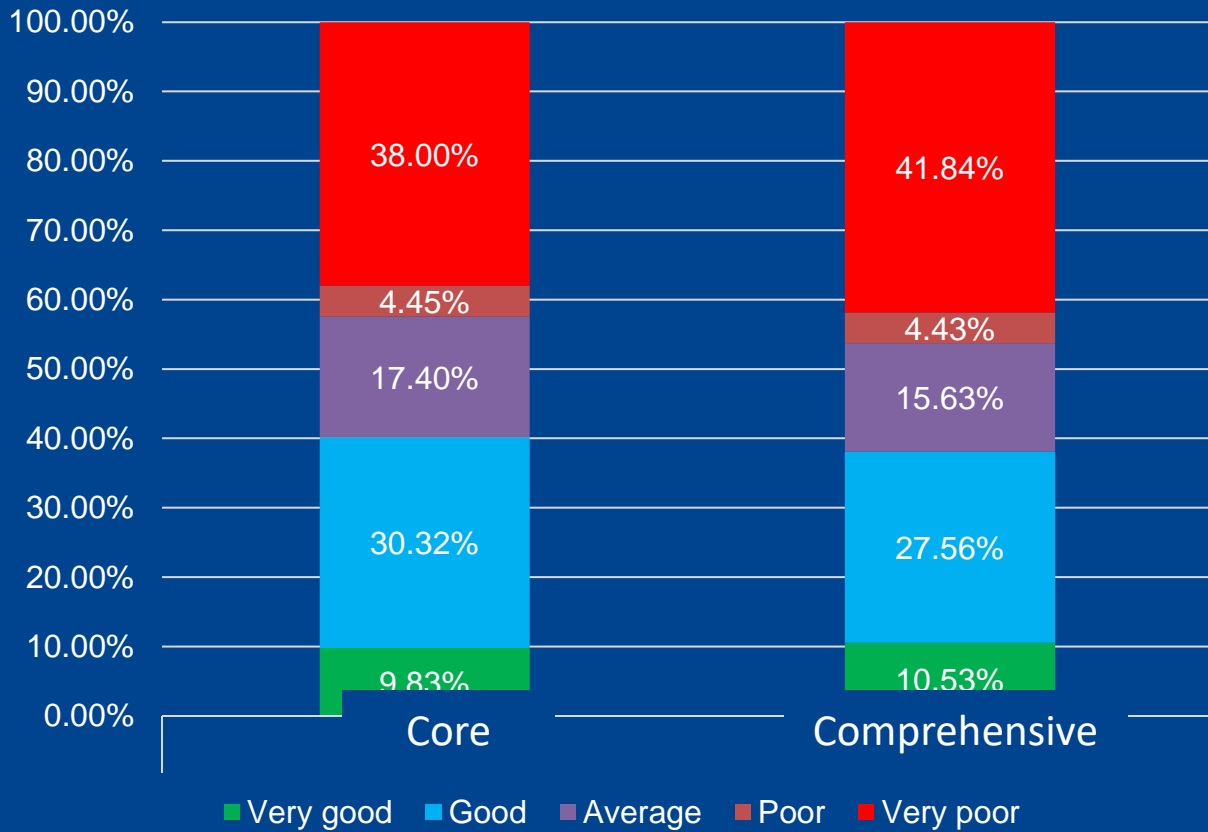
# Rail: Axle Load TEN-T Network Compliance

Axle load in tonnes/axle on Core and Comprehensive Network 2023

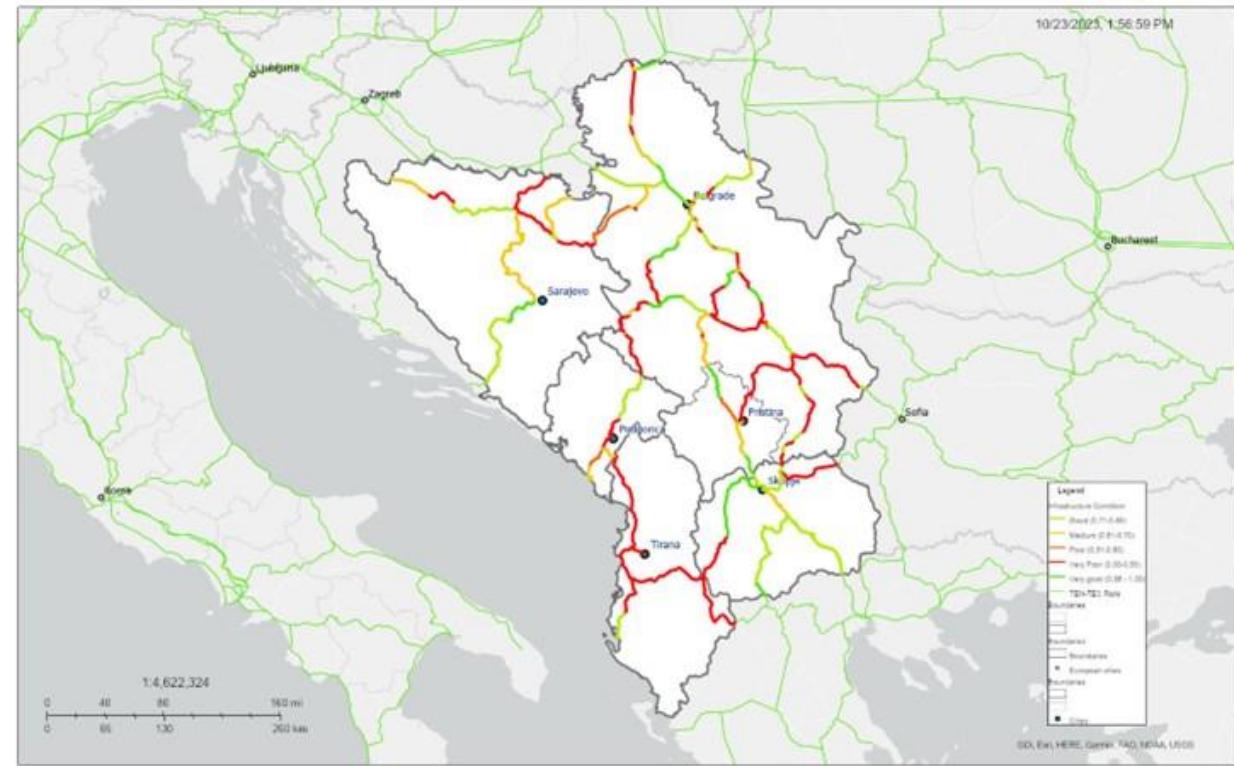


# Rail: Infrastructure Conditions 2023

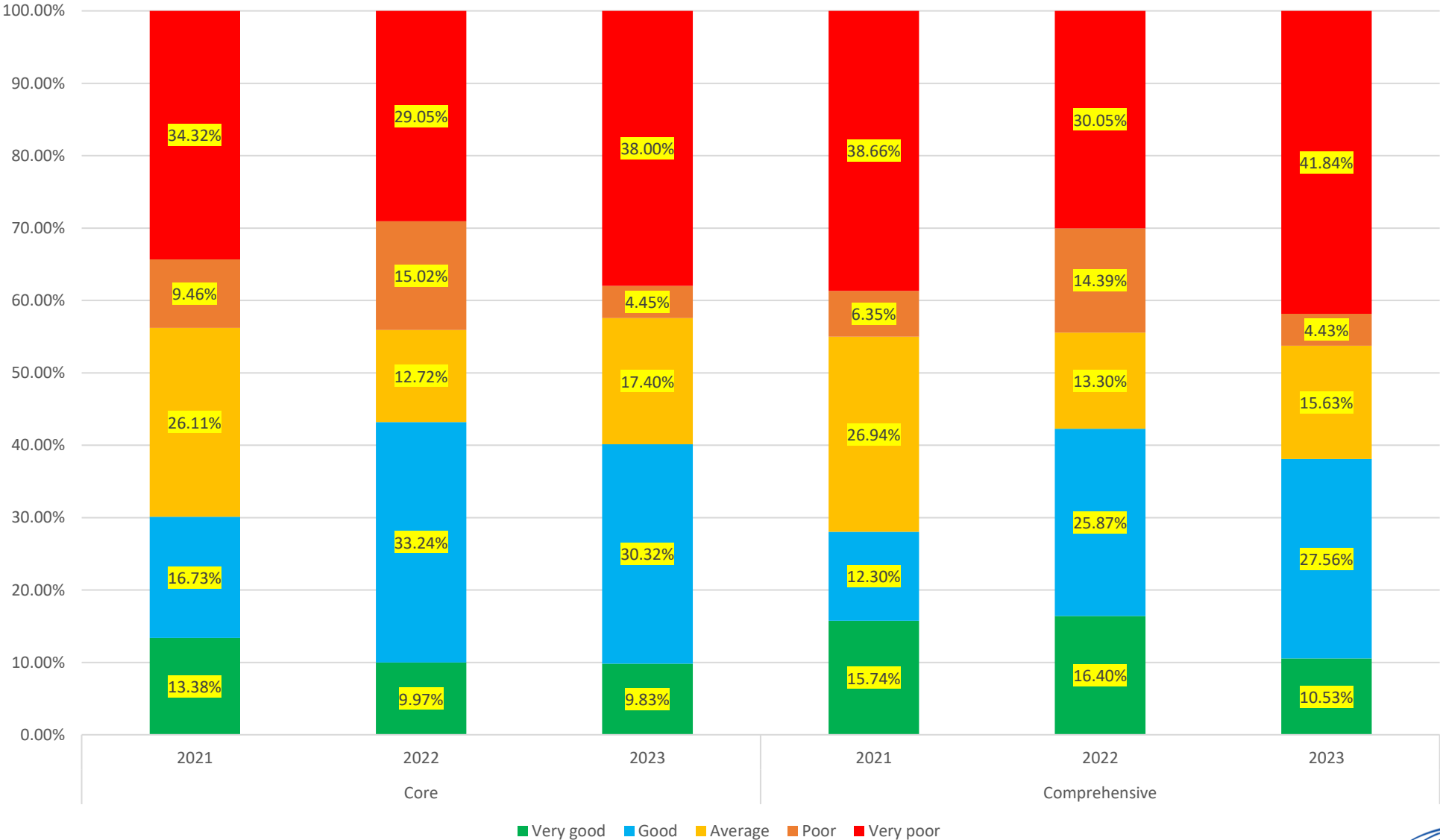
Current condition of the Rail Network 2023



Infrastructure conditions - 2023



### Current condition of the Rail Network 2021/2022/2023



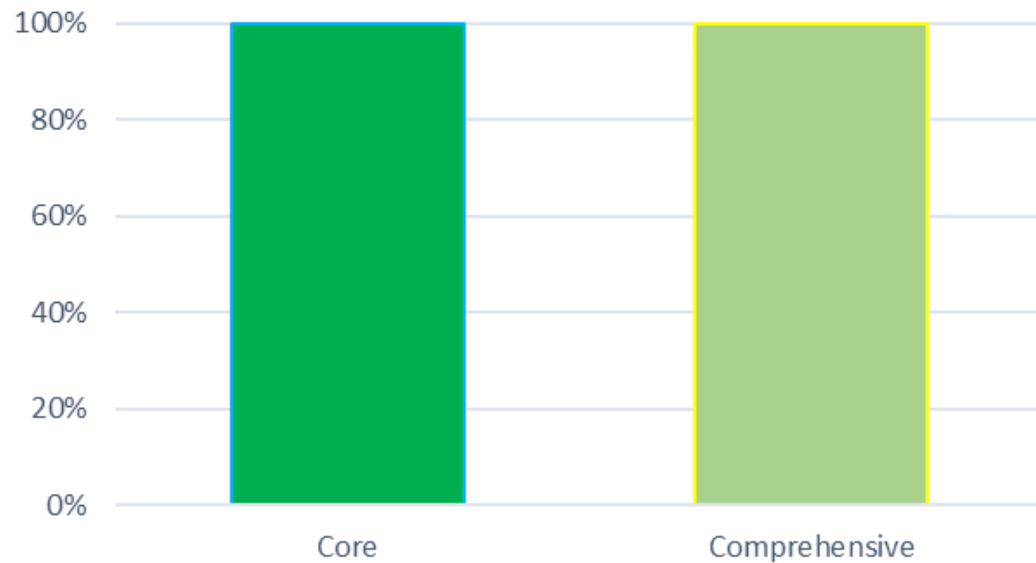




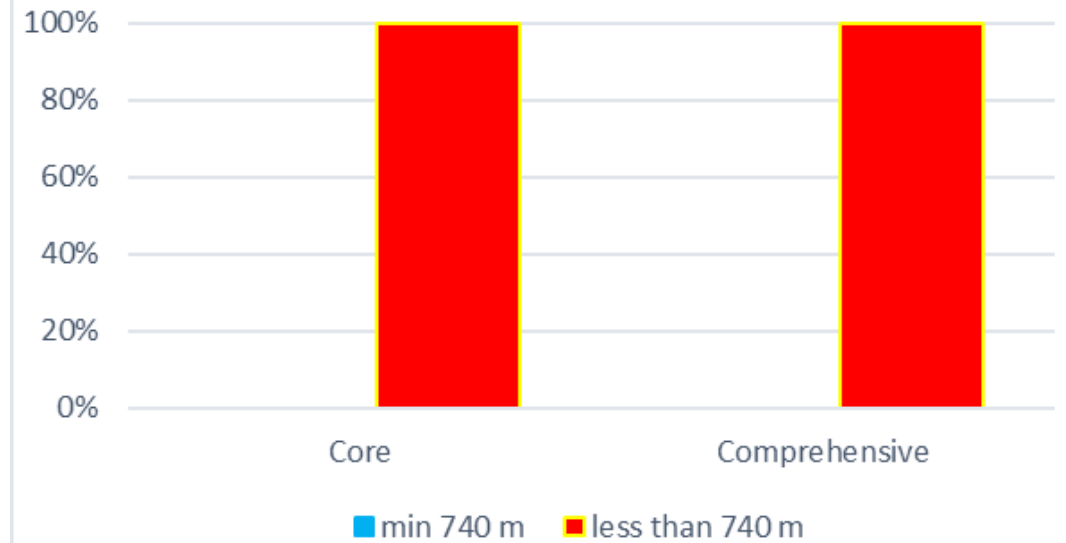
# Compliance with TEN-T indicators



Track gauge - 1435 mm



Train length





**Legend**

- Projects - Rail 2022
- Projects - Rail 2022
- Rail Section Nodes
- Railway
- Rail Section Nodes
- Railway
- TEN-TEC Rail Network
- Cities

**Borders**

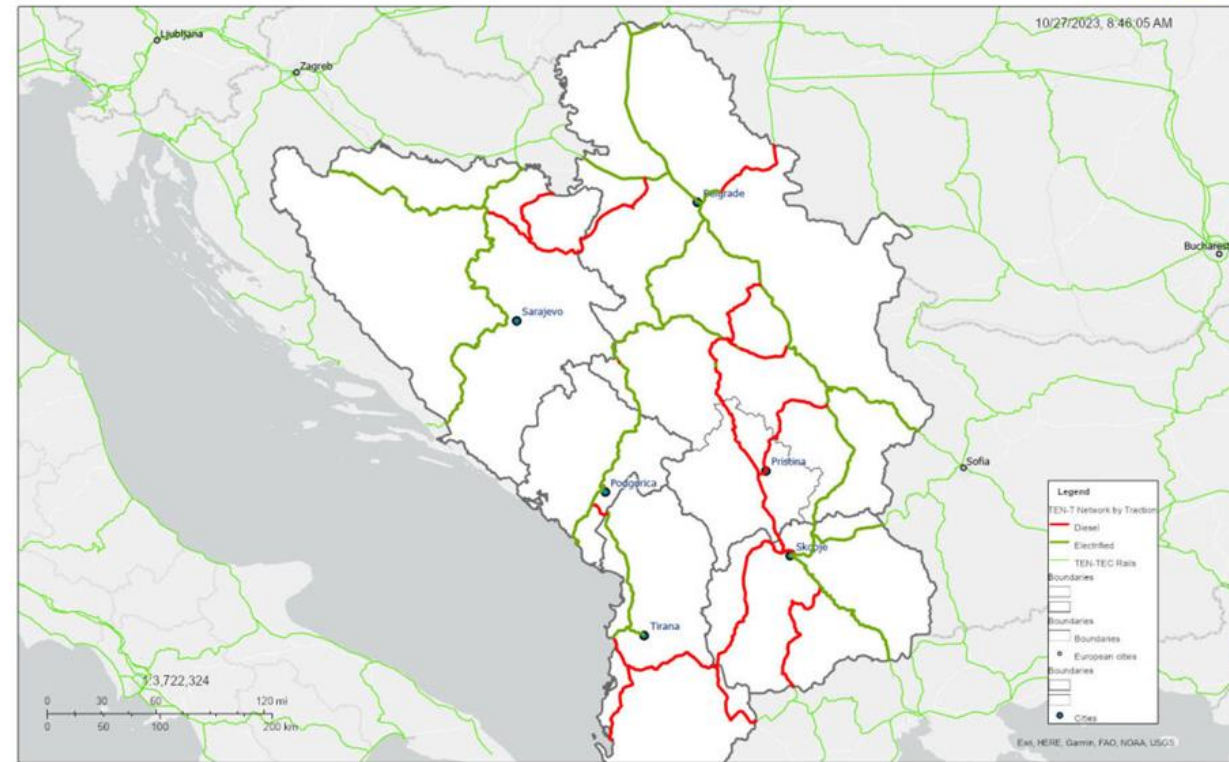
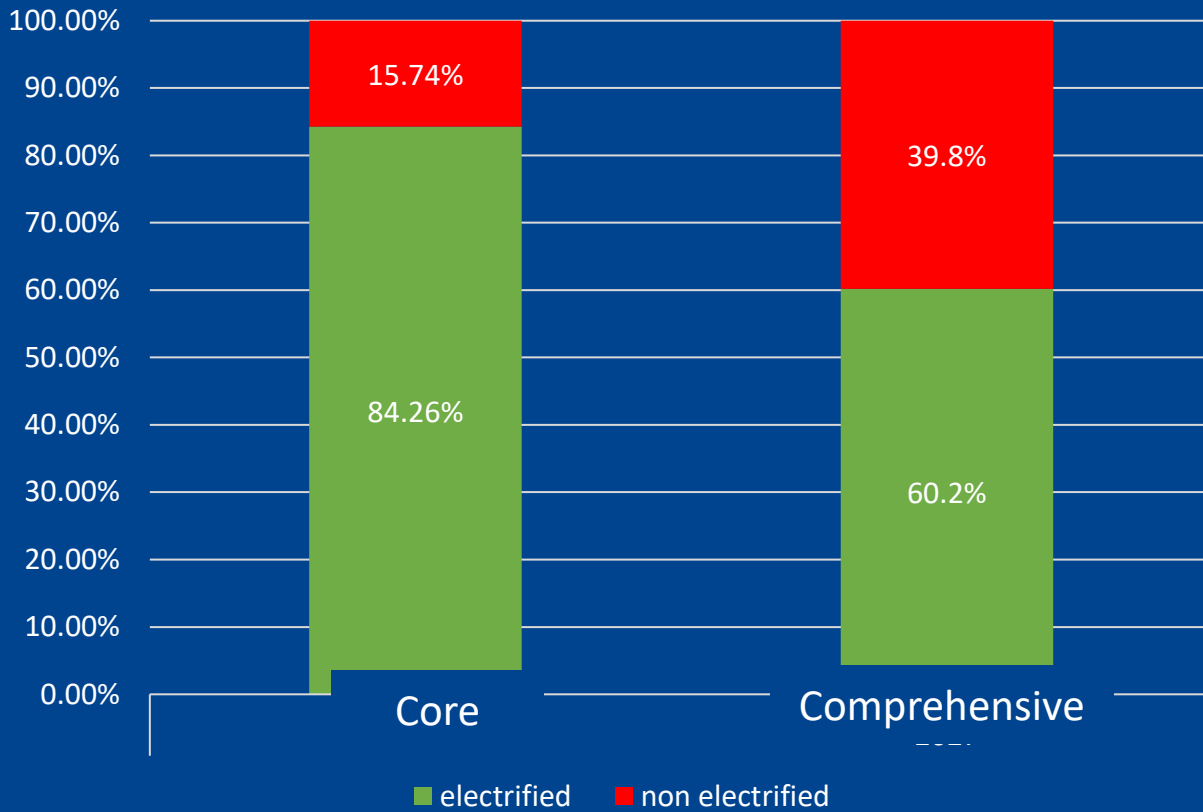
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0 65 130 260 Km

Credits: Esri, Garmin, GEBCO, NOAA NGDC,

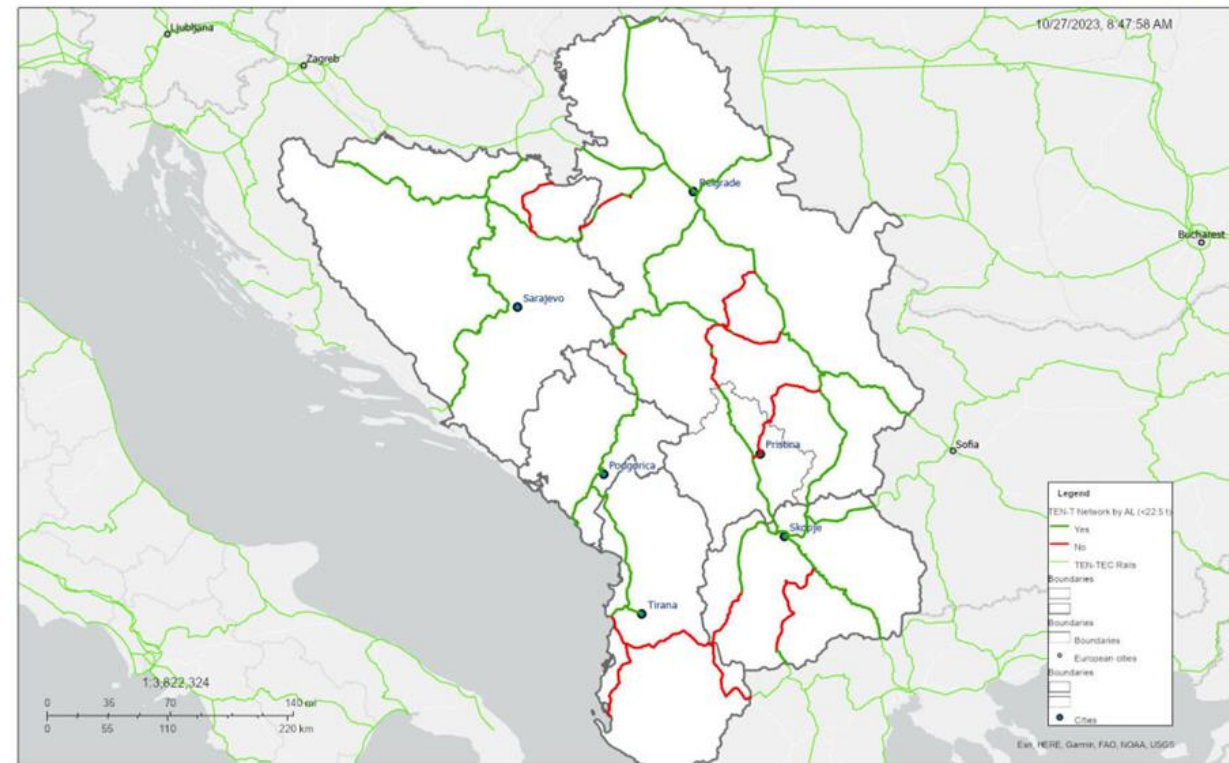
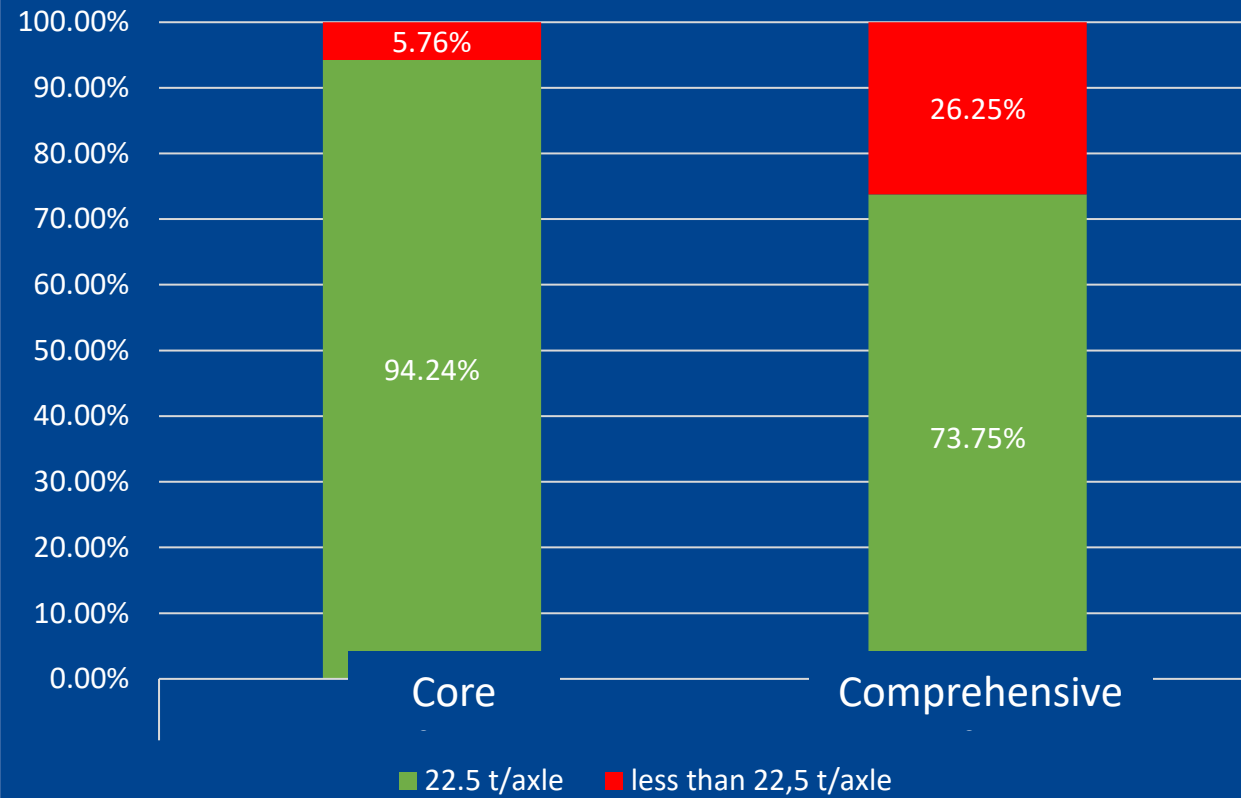
# Rail: Electrification 2027 Forecast TEN-T Network Compliance

Percentages of electrified and non-electrified lines forecast  
2027



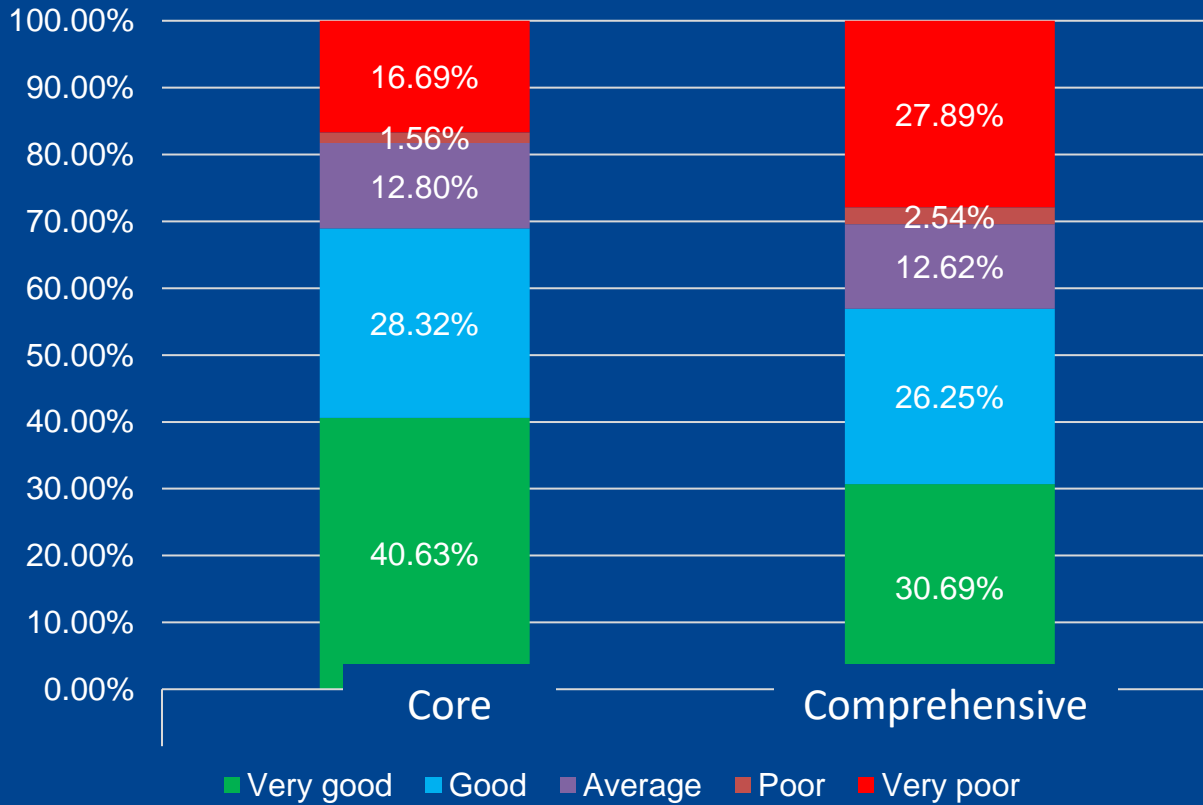
# Rail: Axle Load 2027 Forecast TEN-T Network Compliance

Percentages of electrified and non-electrified lines forecast 2027



# Rail: Infrastructure Conditions 2027

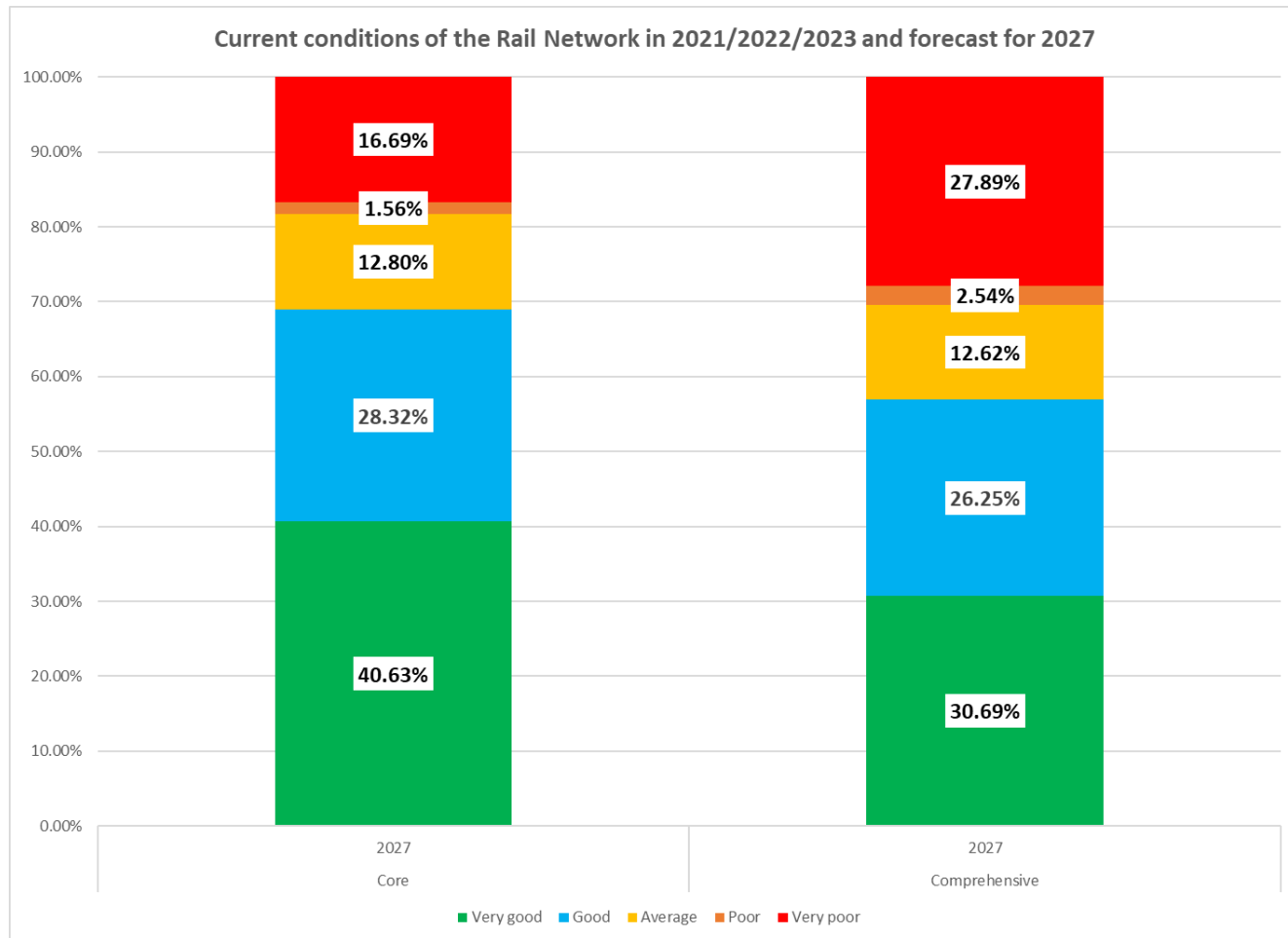
Current conditions of the Rail Network forecast for 2027



Infrastructure conditions - 2027



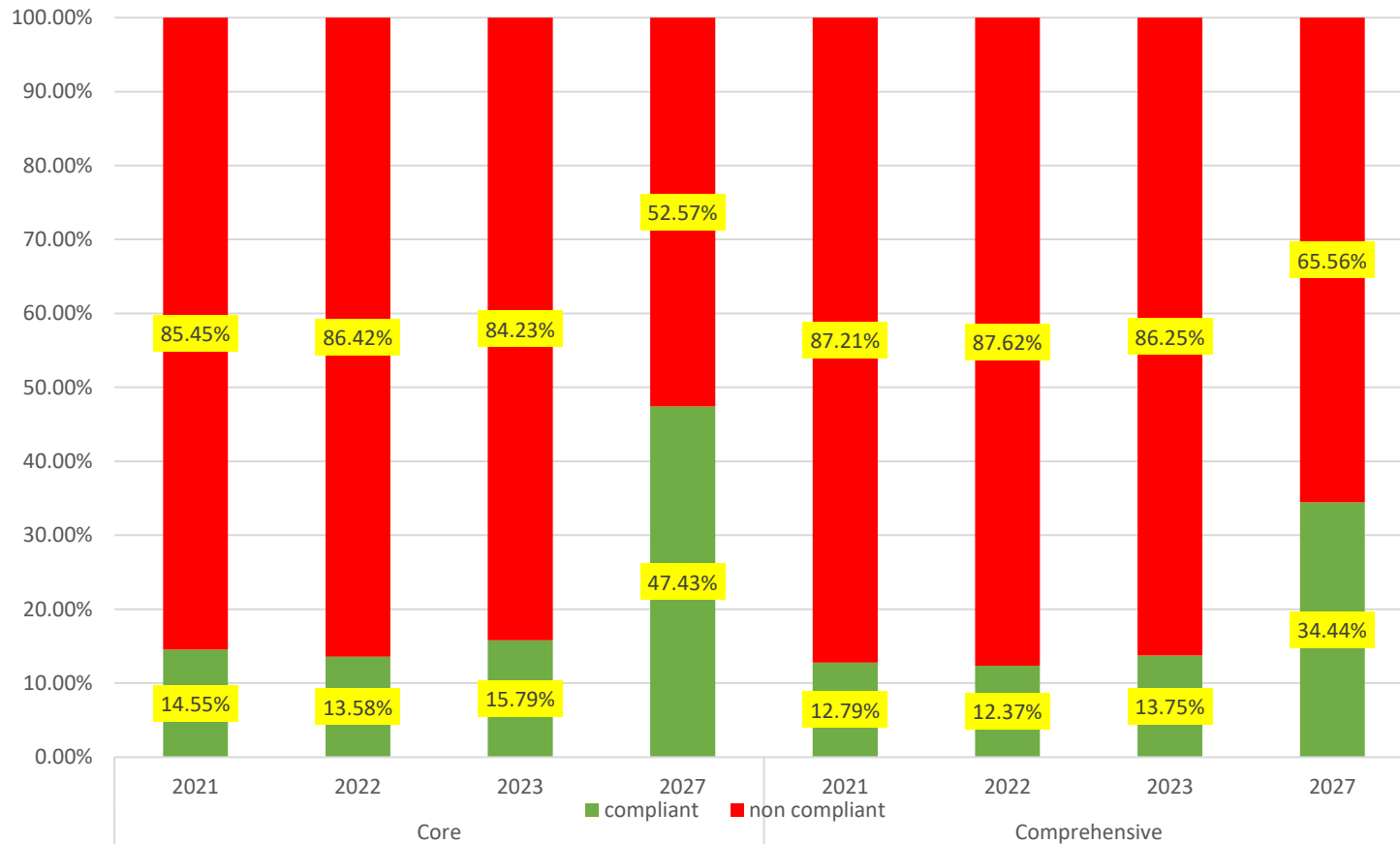
# Forecast 2027



Conditions	Core		Comprehensive	
	2023	2027	2023	2027
Very good	9.83%	40.63%	10.53%	30.69%
Good	30.32%	28.32%	27.56%	26.25%
Average	17.40%	12.80%	15.63%	12.62%
Poor	4.45%	1.56%	4.43%	2.54%
Very poor	38.00%	16.69%	41.84%	27.89%

# Forecast 2027

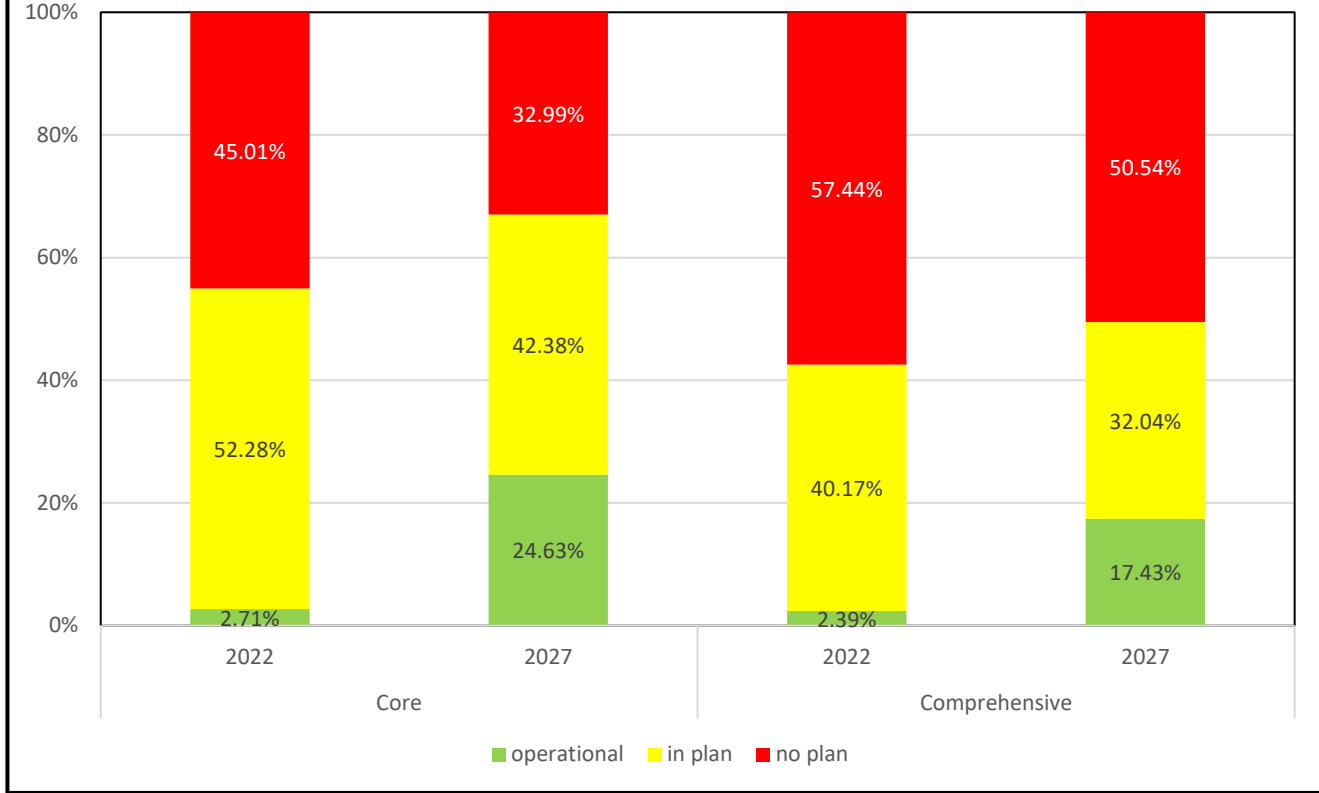
Operating Speed 100 km/h and over for 2021/2022/2023 and Forecast 2027



min operating speed 100 km/h	Core		Comprehensive	
	2023	2027	2023	2027
compliant	15.79%	47.43%	13.75%	34.44%
non compliant	84.23%	52.57%	86.25%	65.56%

# Forecast 2027

ERTMS - forecast



ERTMS	Core		Comprehensive	
	2022	2027	2022	2027
operational	2.71%	24.63%	2.39%	17.43%
in plan	52.28%	42.38%	40.17%	32.04%
no plan	45.01%	32.99%	57.44%	50.54%



# Concluding remarks

- Investments and reforms must go hand in hand
- Institutional legislative framework to be completed
- **More focus on maintenance than on expensive infrastructure projects**
- Solving a lack of human resources
- Educational system to be adjusted/improved
- Enhancing the regional cooperation
- More investments – more opportunities for jobs
- More maintenance – higher quality of services
- More reforms – more attractiveness for railway transport

Thank you for your attention!

[www.transport-community.org](http://www.transport-community.org)