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**30 November – 1 December 2021** 

#### EUROPEAN FOCUS Round Table 1: What new paradigm for 2030?

- Moderator: Mr. Simon Fletcher, UIC Director Europe
- Mr. Keir Fitch, Head of Unit, DG for Mobility and Transport, European Commission
- Ms. Daniela Gerd tom Markotten, Board member for Digitalization, Deutsche Bahn
- Ms. Anna Deparnay-Gruneneberg, MEP for the Greens/EFA
- Mr. Georges Gilkinet, Deputy Prime Minister, Minister for Mobility, Belgium (video message)
- Mr. Alberto Mazzola, Executive Director, CER
- Mr. Yuwei Li, Director, UNECE Sustainable Transport Division

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Mr. Keir Fitch, Head of Unit, DG for Mobility and Transport, European Commission

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#### EU initiatives for more people and goods on rail

Keir Fitch

Head of Unit "Rail Safety and Interoperability", DG MOVE



#### Setting the context

- Green Deal calls for a 90% reduction in greenhouse gas emissions from transport by 2050
- Transport (incl. rail) amongst sectors hardest hit by the COVID-19 pandemic
- We need to continue help European transport to recover and be resilient, while becoming more sustainable and smarter
- Our vision is in the <u>Strategy for Sustainable and Smart Mobility</u> 9 Dec 2020

## Rail – a central role in the Mobility Strategy

- Ambitious milestones for rail:
  - ✓ High-speed rail traffic across Europe
    - ✓ 2x **by 2030** 3x **by 2050**.
  - ✓ Rail freight to increase by:
    - ✓>50% by 2030
      >200% by 2050.
  - ✓ Rail should be able to compete on a level-playing with road-only transport by 2030 when it comes to the internalisation of external costs.



#### **European Year of Rail 2021 – lessons learnt from the CEE**





## Key initiatives to boost rail - 2021

- Review of TEN-T Guidelines, incl. high-speed lines and better alignment of TEN-T corridors and rail freight corridors, 160kmh and P400, advancing of dates to 2040.
- Timetabling and Capacity Redesign project (TTR)
- Commission Action Plan on long distance cross-border passenger services will identify obstacles and propose solutions
- Single Basic Act for research partnerships:
- → new Joint Undertaking "Europe's Rail" and the rail system approach



#### Key initiatives to boost rail – 2022 onwards

- Digital and green rail revision of the Technical Specifications for Interoperability (2022)
- Revision of the Train Drivers legislation (2022)
- Commission proposal for multimodal digital services
- The European Year of Youth 2022

#### Beyond 2022

- Deployment of electrification & increased use of hydrogen and batteries where electrification is not possible
- Migration to new technologies such as digital coupling & automation (2026) and more flexible IT traffic management solutions
- Electronic multimodal tickets (2030)

# Thank you for your attention



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Ms. Daniela Gerd tom Markotten, Board member for Digitalization, Deutsche Bahn

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### We need to be CUSTOMER-FOCUSED!





#### What do customers expect from us?

Work

Environment

Travel Time





Service

Level

Connectivity

Emission

Zero

Not slower than Same as a five an airplane star hotel

Comparable to WeWork Uninterrupted 5G network



Mission Impossible? No, we have a solution!



## Our vision of rail 2030 needs to be SUSTAINABLE & SMART

This is green.

# Thank you for your attention



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Ms. Anna Deparnay-Gruneneberg, MEP for the Greens/EFA



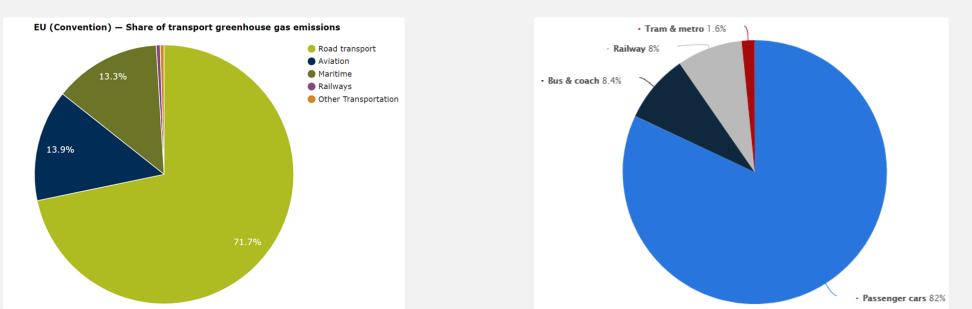
### Me as a member of the European Parliament



### The great ecological potential of Modal Shift

Railways are responsible for **0,4 %** of the greenhouse gas emissions in the transport sector

... while they transport 8 % of the passengers

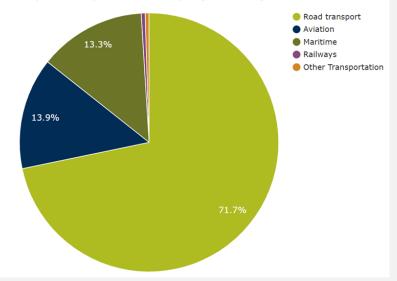


(quarter of total EU greenhouse emissions)

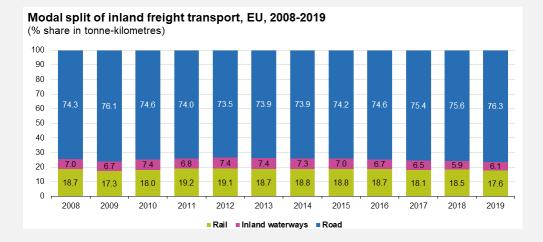
### The great ecological potential of Modal Shift

Railways are responsible for **0,4 %** of the greenhouse gas emissions in the transport sector

EU (Convention) - Share of transport greenhouse gas emissions

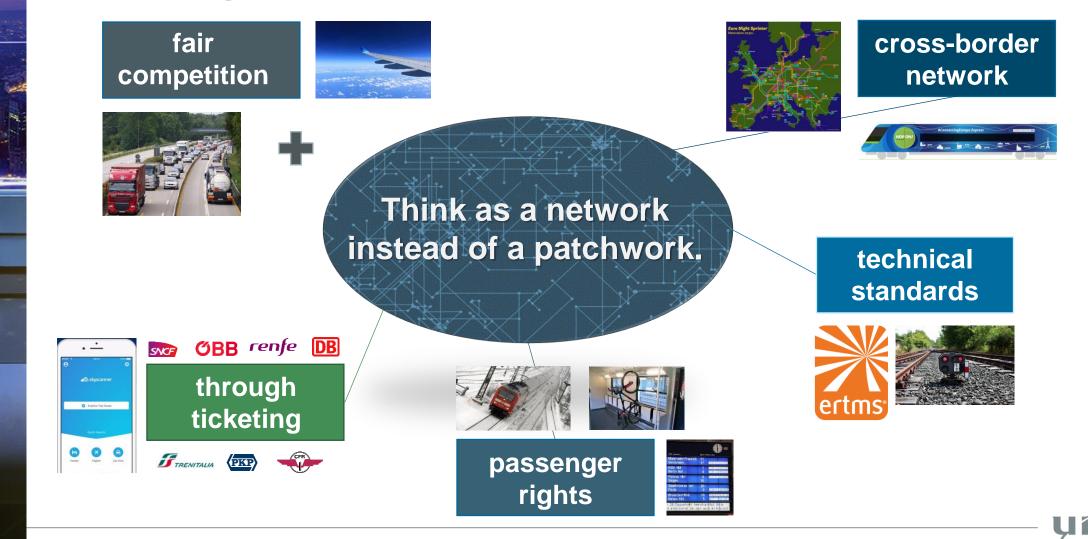


and around 18 % of the freight.



(quarter of total EU greenhouse emissions)

### A new paradigm for successful railway traffic in 2030



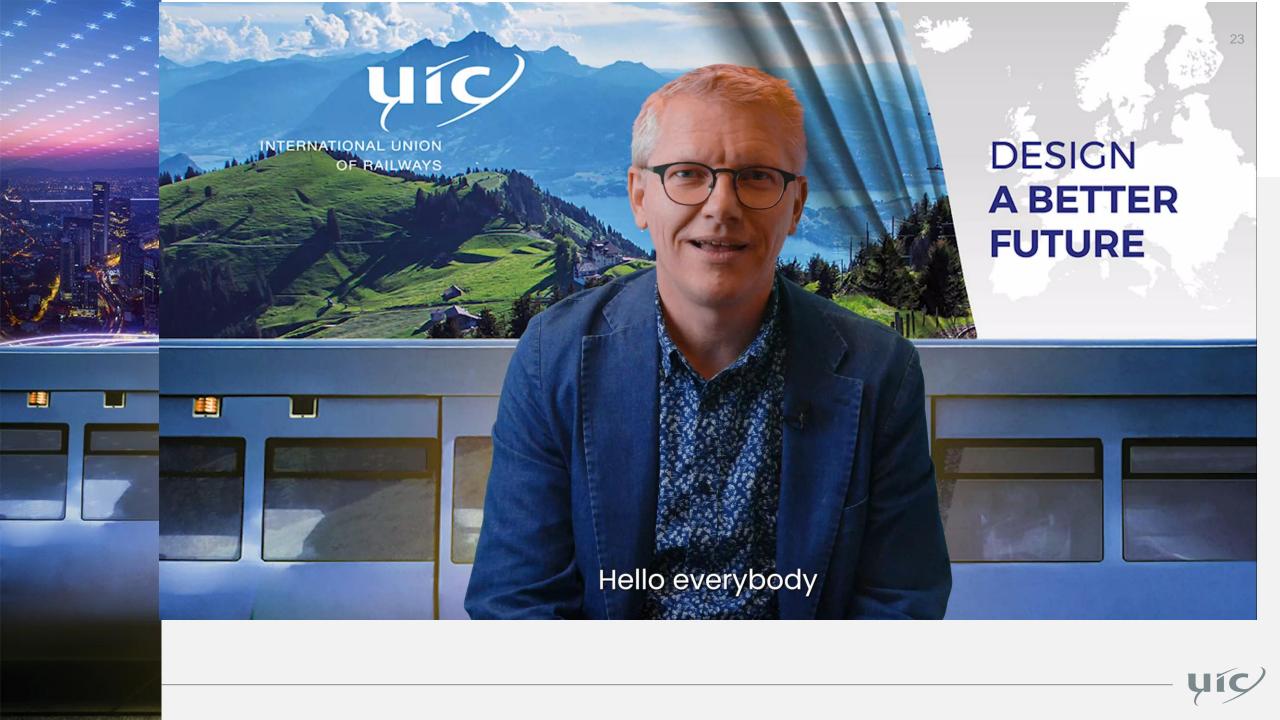
# Thank you for your attention



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Mr. Georges Gilkinet, Deputy Prime Minister, Minister for Mobility, Belgium (video message)

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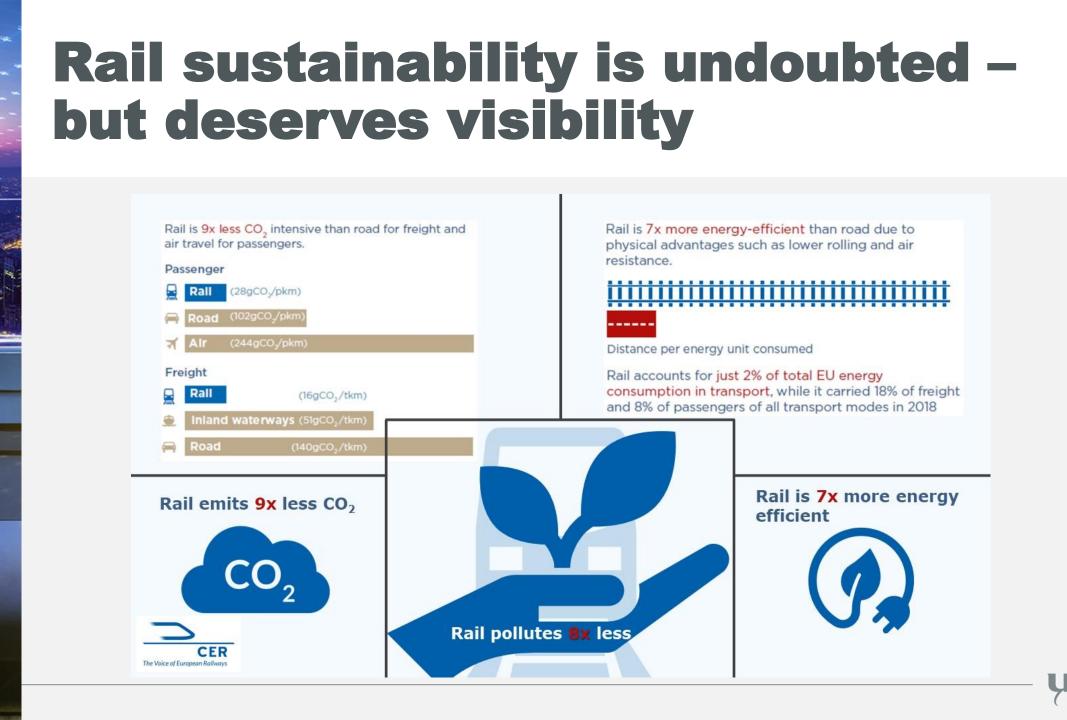
Mr. Alberto Mazzola, Executive Director, CER



#### Modal share desirability: how?

Making modal share desirable means

- Being able to increase the attractiveness of rail travelling by raising awareness on the aspects of safety, affordability, ease of use, sustainability
- Give visibility to rail sustainability credentials also via ecolabelling of transport services
- Make further efforts to invest on passenger services, offering better ticketing and a TEN-T network fit for high-speed links between European capitals and major cities, and for efficient rail freight corridors
- Ensure a wide digitalization of the rail system, deploying ERTMS, Digital Automatic Coupling solutions, other digital solutions for freight



#### **Ever better ticketing for a wider, happier market**

The adopted **CER Ticketing Roadmap** foresees by 2025:

- More up to date timetables, and the possibility to buy train tickets at least 6 and up to 12 months in advance
- More up to date tariff exchange, enabling through tickets & standardized API for selling train tickets
- Increased harmonization of ticketing conditions & full digitalization of tickets
- Real time information during the journey & better support during disruptions and delays

## An improved TEN-T network for passengers and freight

#### With **TEN-T**

- Current projects must be completed!
- Cooperation between governing bodies of Rail Freight Corridors and Core Network Corridors must to be improved
- A European high-speed network linking European major cities must be defined
- Further integration of urban nodes and freight terminals in TEN-T, further to ports and airports
- Facilitating the operation of trains with a P/C 400 loading gauge
- No to general 160km/h minimum speed for passenger trains but trains as fast as required by the timetable!



### **Digitalization is the top priority**

- ERTMS onboard and on tracks
- Satellite positioning (Galileo)
- Digital Capacity Management
- European digital ecosystem for rail freight
- Digital Automatic Coupling



#### **Smarter, cleaner, connected:** the future is rail



# Thank you for your attention



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Mr. Yuwei Li, Director, UNECE Sustainable Transport Division



### 2030 Agenda - SDGs

- > SDG 3.6: 50% reduction of deaths on road shift of car user, passenger and cargo to rail;
- > SDG 7.3: increase energy efficiency combined transport with increased use of rail;
- > SDG 9.1: resilient infrastructure intermodal system with major role of rail;
- SDG 11.2: expanding public transport increased use of rail;
- ➢ SDG 13: combat climate change modal shift to rail.

New paradigm the world wants for 2030: integrated intermodal transport systems with increased role of public transport and railway transport





#### **UNECE AGC and AGTC network**





### **Other UNECE rail agreements**

- International Convention to Facilitate the Crossing of Frontiers for Passengers and Baggage carried by Rail;
- International Convention to Facilitate the Crossing of Frontiers for Goods Carried by Rail;
- Customs Convention concerning Spare Parts Used for Repairing Europ Wagons;
- Customs Conventions on Containers;
- European Convention on Customs Treatment of Pallets Used in International Transport;
- International Convention on the Harmonization of Frontier Controls of Goods;
- Convention on Customs Treatment of Pool Containers Used in International Transport;
- Convention on International Customs Transit Procedures for the Carriage of Goods by Rail under Cover of SMGS Consignment Notes;
- Convention on the facilitation of border crossing procedures for passengers, luggage and load-luggage carried in international traffic by rail.



#### Intermodal/rail transport at UNECE

- Working Party on Rail Transport (SC.2)
- Working Party on Intermodal Transport and Logistics (WP.24)
- AGC/AGTC online tool
- Handbook for national master plans for freight transport and logistics
- Railway's role in intermodality and the digitalization of transport documents
- Logistics and Transport Competitiveness reports
- Code of Practice for Packing of Containers (CTU Code)



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#### EUROPEAN FOCUS Round Table 2: What steps to achieve this new paradigm?

• Moderator: Mr. Simon Fletcher, UIC Director Europe

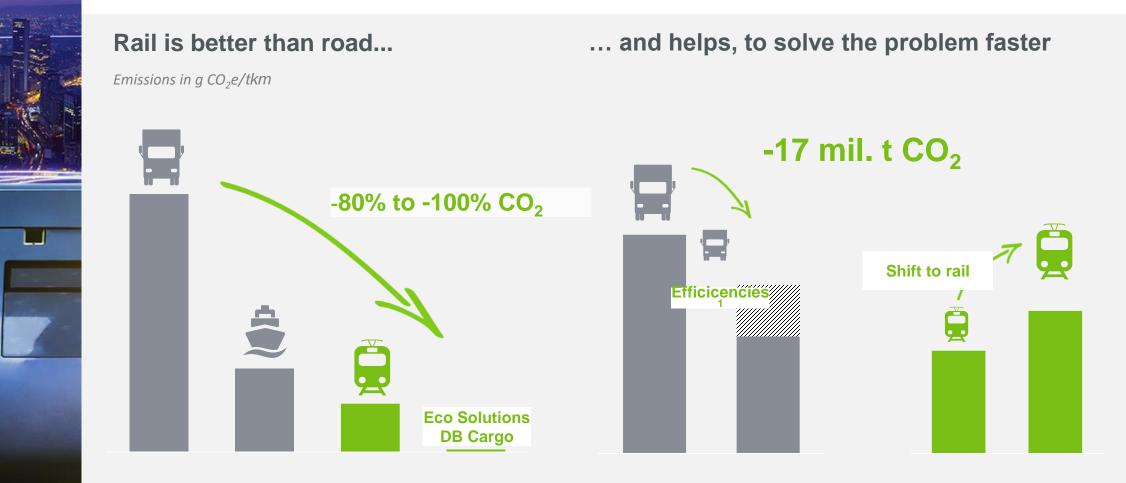
- Dr. Bettina Wunsch-Semmler, Head of Transport Policy and Compliance Officer, DB Cargo AG
- Mr. Diego Diaz, President, SNCF International
- Mr. Josef Doppelbauer, Executive Director, European Union Agency for Railways (video message)
- Mr. François Davenne, Director General, UIC

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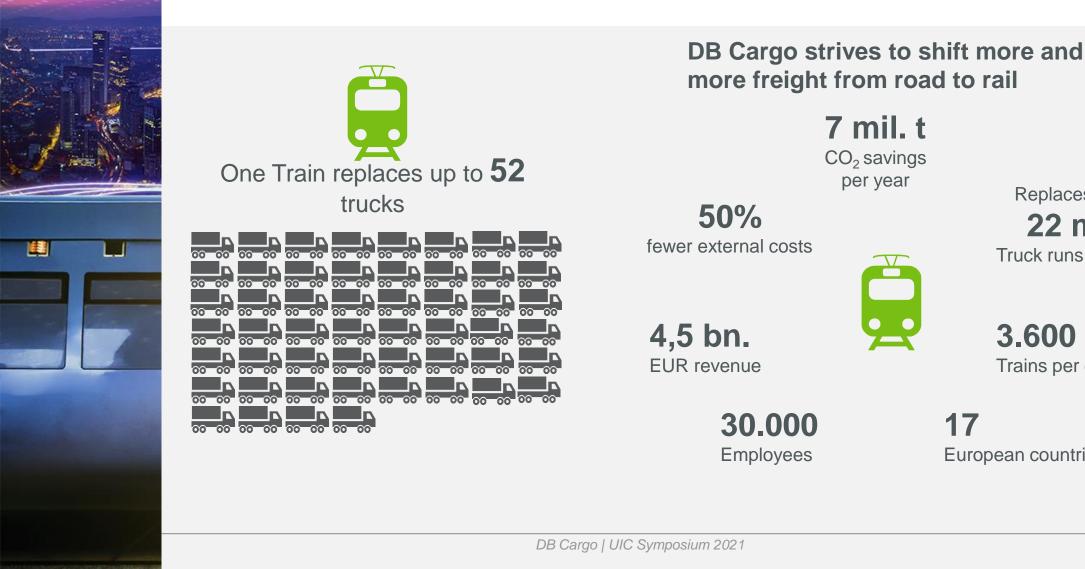
Dr. Bettina Wunsch-Semmler, Head of Transport Policy and Compliance Officer, DB Cargo AG

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#### The new paradigm: freight belongs on rail. This takes pressure off roads, protects the environment and cuts CO2 emissions.



#### **DB** Cargo is well-positioned for the shift towards rail. Today we are already taking 22 million trucks off the road every year.



Truck runs per year

3.600 Trains per day

European countries + China

#### Our formula to success: customer proximity and logistics services within the European network – European rail logistics provider





DB Cargo | UIC Symposium 2021

# 

#### Engagement of the entire rail sector and authorities is the cornerstone to achieve the goal of 30% modal share by 2030

Rail Freight Forward, a coalition of the major European rail freight companies supported by CER, UIC, ERFA, VDV and other associations, has identified 5 enabling, interlinked technologies which require a coordinated, sector-wide rollout across the EU.





INFORM

## May the freight be with you.

We deliver the goods.

DB Cargo.



# Thank you for your attention







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Mr. Diego Diaz, President, SNCF International

## **Proactive steps and a holistic strategy are necessary**

- Develop the modal part of rail and other sustainable mobilities
- Reduce the environmental footprint of our activities
- Adapt our activities and increase their resilience
- Act locally to increase social cohesion and promote an inclusive and ecological economy
- Mobilize our workforce as key contributors to this transition
- Foster strong ethics and an inclusive governance

# Thank you for your attention



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Mr. Josef Doppelbauer, Executive Director, European Union Agency for Railways (video message)

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## How to Transform Rail into the Backbone of Multimodality?

Josef Doppelbauer, Executive Director European Union Agency for Railways

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François Davenne, Director General UIC





Round Table 2:What steps to achieve this new paradigm?



## **Transforming cities & connecting communities**

Increased bundling enables frequent, short distance rail freight to connect to city hubs, dispatching goods around the city area on cargo bikes and electric vans By connecting cities better and reducing car use, railway stations are the gateways to cities that are less congested and where people can breathe cleaner air.

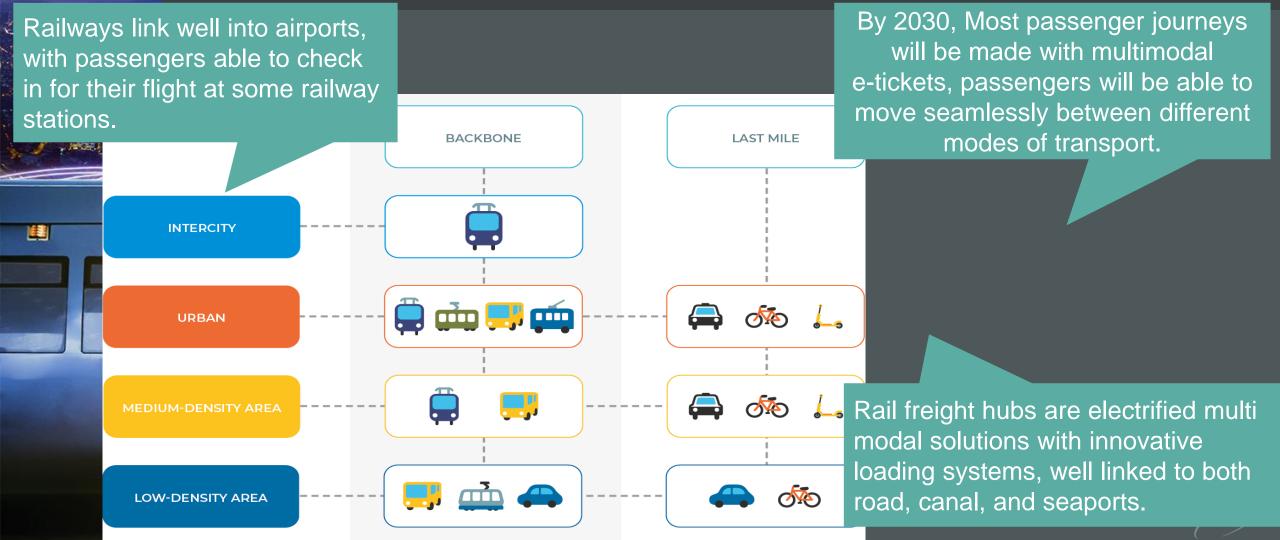
### **Energy and Technology Innovation**

Automated Train Operation, robotics, modern communication based on 5G and Artificial Intelligence is improving the efficiency of the railways.

Dedicated renewable energy generation as well as energy storage on the railway estate including on buildings and on the lineside.

Diesel trains are fast becoming a thing of the past, with a largescale programme of electrification of main lines continuing and the use of bimode vehicles common.

## Intermodality and Seamless Connection



### **Transforming Customer Experience**

Particularly vulnerable infrastructure owners have accessed the finance and technology they need for climate change adaptation and therefore are more reliable

Rail operators adapted to the new travelling behaviours and became increasingly aware of customer needs, catering for new working patterns and the voices of a wider range of people.

All passengers will feel more secure and safe. These actions have been supported through a more diverse and better genderbalanced workforce in transport.



#### Now

#### DEMAND

Targets for modal shift and decarbonisation Policy to incentivise use of rail accessibility & inclusivity

#### INVEST

Public investment Transformational projects Public contracts Redirecting public spending to rail

#### PROMOTE

Information, awareness raise Campaigns on benefits of sustainable behavior

# Thank you for your attention

