

SUSTAINABLE & SMART **MOBILITY STRATEGY**

Putting European transport on track for the future



SUSTAINABLE & SMART
MOBILITY STRATEGY



“

Through the implementation of this strategy, we will create an irreversible shift to zero-emission mobility while making our transport system more efficient and resilient.

EUROPEAN COMMISSIONER FOR MOBILITY AND
TRANSPORT ADINA VĂLEAN

”

Context

- The **European Green Deal** calls for a 90% reduction in greenhouse gas emissions from transport by 2050, to help the EU become the first climate neutral continent.
- To this end, the Commission announced a **Strategy for Sustainable and Smart Mobility** to be adopted in 2020.
- In the meantime, transport was amongst the sectors hardest hit by the **Coronavirus pandemic**.
- It has shown that we need to continue to work on the future of our European transport system so that it can quickly **recover from the severe impact of this crisis**.
- We need to set out **much needed reforms, policies and actions to support the sector**.

The Strategy

Our vision for the future of European transport and mobility

KEY ELEMENTS

- **Three objectives:** making the European transport system more **sustainable, smart and resilient**
- **10 flagship areas** with key **milestones**
- **Action plan** with a list of concrete policy actions
- Comprehensive **Staff Working Document**

Milestones – 2030/35

By 2030

- **Min. 30 million zero-emission cars** and **80 000 zero-emission lorries** in operation
- **Min. 100 climate neutral cities**
- **Scheduled collective travel under 500 km** should be **carbon-neutral** within the EU
- **Doubled high-speed rail** traffic, rail freight traffic increases by 50%
- Transport by **inland waterways & short sea shipping** increases by 25%
- **Rail & waterborne-based intermodal** will be able to compete on equal footing with road-only transport in the EU
- **Paperless freight** transport
- **Automated mobility** deployed at a large scale
- Integrated electronic **ticketing**
- Operational **multimodal Trans-European Transport Network** equipped for sustainable and smart transport with high speed connectivity (**core** network)
- Zero-emission **ocean-going vessels** ready for market

By 2035

- **Large zero-emission aircraft** ready for market

Milestones – 2050

By 2050

- **Nearly all cars, vans, buses as well as new heavy-duty vehicles will be zero-emission**
- **Doubled rail freight traffic, tripled high-speed rail traffic**
- Transport by **inland waterways & short sea shipping** increases by **50%**
- **External costs** of transport within the EU will be **covered by the transport users**
- **Death toll** for all modes of transport in the EU close to **zero**
- Operational **multimodal Trans-European Transport Network** equipped for sustainable and smart transport with high speed connectivity (**comprehensive network**)



SUSTAINABLE

AN IRREVERSIBLE SHIFT TO ZERO-EMISSION MOBILITY

- Making all transport modes more sustainable,
- Making sustainable alternatives widely available in a multimodal transport system,
- Putting in place the right incentives to drive the transition.



FLAGSHIP AREAS

- **FLAGSHIP 1 - BOOSTING UPTAKE OF ZERO-EMISSION VEHICLES, RENEWABLE & LOW-CARBON FUELS AND RELATED INFRASTRUCTURE**
 - Explore the benefits of retrofitting and renewal schemes in various transport modes
- **FLAGSHIP 2 - CREATING ZERO-EMISSION AIRPORTS AND PORTS**
- **FLAGSHIP 3 - MAKING INTERURBAN AND URBAN MOBILITY MORE SUSTAINABLE AND HEALTHY**
 - Action Plan to boost passenger rail transport (2021)
 - Measures to better manage and coordinate international rail traffic, including if necessary through revised rules for capacity allocation and infrastructure charging in rail (2022)



FLAGSHIP AREAS

- **FLAGSHIP 4 - GREENING FREIGHT TRANSPORT**
 - Better alignment of Rail Freight Corridors and TEN-T (2021)
 - Review of the regulatory framework for intermodal transport, including the Combined Transport Directive (2022)
 - Guidelines on informing users about the carbon footprint of their deliveries and on offering sustainable delivery choices (2023)



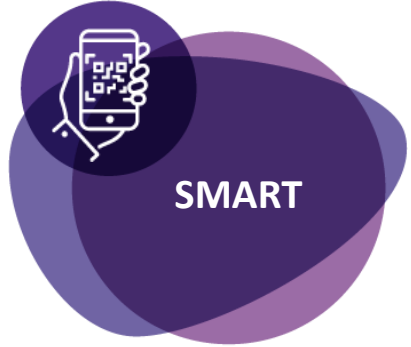
FLAGSHIP AREAS

- **FLAGSHIP 5 - PRICING CARBON AND PROVIDING BETTER INCENTIVES FOR USERS**
 - Revision of Energy Tax, VAT, ETS
 - EU framework for harmonised measurement of transport and logistics emissions
 - Guidelines to inform passengers about the carbon footprint of their trip and to enable passengers to voluntarily offset it

SMART MOBILITY - ACHIEVING SEAMLESS, SAFE AND EFFICIENT CONNECTIVITY

- Offering a seamless multimodal experience
- Supporting sustainable choices by taking advantage of digitalization & automation
- Shaping the mobility of the future
- Ensuring the right framework and enablers are in place





SMART

FLAGSHIP AREAS

- **FLAGSHIP 6 - MAKING CONNECTED AND AUTOMATED MULTIMODAL MOBILITY A REALITY**
 - Framework for ticketing across modes
 - Adopt railway technical specifications package on ERTMS/Control-Command and Signalling (CCS); and develop mandatory deployment plans for automatic train operation, automated traffic management and advanced CCS
 - Review the regulatory framework for interoperable data sharing in rail transport
- **FLAGSHIP 7 - INNOVATION, DATA AND AI FOR SMART MOBILITY**
 - Renew Shift2Rail Partnership



A MORE RESILIENT SINGLE EUROPEAN TRANSPORT AREA: FOR INCLUSIVE CONNECTIVITY

- Reinforcing the Single Market
- Helping the sector build back better from the crisis & become more resilient
- Increasing investments, both public and private, in infrastructure and fleets



RESILIENT

FLAGSHIP AREAS

- **FLAGSHIP 8 – REINFORCING THE SINGLE MARKET**
 - Review of Trans-European Transport Networks (TEN-T)
 - Guidance on freight PSOs and review of transport relevant State aid rules
 - Assess the impacts of the COVID-19 pandemic on connectivity and competition in the market, and propose follow-up measures as appropriate
 - Prepare crisis contingency plans for the transport sector, including health-safety and operational measures and setting out essential transport services



FLAGSHIP AREAS

- **FLAGSHIP 9 - MAKING MOBILITY FAIR AND JUST FOR ALL**
 - Review of the passenger rights regulatory framework, including to ensure its resilience to extensive travel disruptions, and including options for multimodal tickets (2021-2022)
 - Revision of the Directive on the certification of train drivers (2022)
- **FLAGSHIP 10 - ENHANCING TRANSPORT SAFETY AND SECURITY**
 - Improve security for passenger rail travel by implementing the results of the action plan on rail security and the Rail Passenger Security Platform (2022)

THE EU AS THE WORLD'S CONNECTIVITY HUB

- Ensuring undistorted international competition & a level playing field
- Deepening of transport relations
- Supporting the EU enlargement process
- Promoting global climate action



INTERNATIONAL



INTERNATIONAL

- Strengthen the link between transport and neighbourhood policies in key areas, and develop a comprehensive approach to connectivity with neighbouring countries, including by working closely with the Transport Community, extending the TEN-T, providing technical support and cooperation, and concluding new sectoral agreements.



European
Commission

Mobility and Transport

SUSTAINABLE & SMART
MOBILITY STRATEGY

Rail transport



European
Commission

Mobility and Transport

#MobilityStrategy

Rail – additional elements

- **European Year of Rail 2021**
 - Rail connectivity index
 - Green label
- Report to EP on through tickets (2022, under 4th Railway Package)
- Revision of Commission Implementing Regulation 2015/1100 on the reporting obligations of the Member States in the framework of rail market monitoring

SUSTAINABLE & SMART
MOBILITY STRATEGY



THANK YOU!