SUSTAINABLE & SMART
**MOBILITY STRATEGY**

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**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**

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# Context

- **European Green Deal** calls for a 90% reduction in GHG emissions from transport by 2050, to help the EU become the first climate neutral continent.

- To this end, the Commission adopted a **Strategy for Sustainable and Smart Mobility** on 9 December in 2020.

- In the meantime, transport was amongst the sectors hardest hit by the **Coronavirus pandemic** and we need to ensure that the sector can quickly **recover from the severe impacts of the crisis.**

- Strategy sets out **reforms, policies and actions to support the sector.**

# The Strategy

**Our vision for the future of European transport and mobility**

**KEY ELEMENTS**

- **3 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

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# Milestones – 2050

**By 2050**

- **Nearly all cars, vans, buses** as well as **new heavy-duty vehicles** will be **zero-emission**
- **Doubled rail freight** traffic, **trippled high-speed rail** traffic
- Transport by **inland waterways & short sea shipping** increases by **50%**
- **External costs** of transport within the EU **covered by 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)

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**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.

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**SUSTAINABLE**

## FLAGSHIP AREAS

- Boosting uptake of zero-emission vehicles, renewable & low-carbon fuels and related infrastructure

- Creating zero-emission airports and ports

- Making interurban and urban mobility more sustainable and healthy

- Greening freight transport

- Pricing carbon and providing better incentives for users

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**SMART**

## 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

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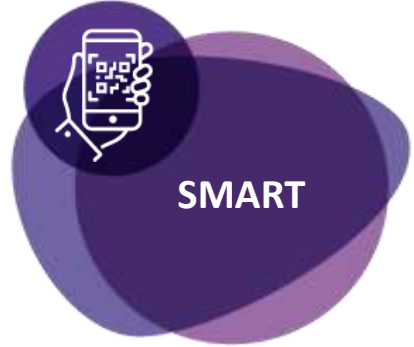
**SMART**

# FLAGSHIP AREAS

- MAKING CONNECTED AND AUTOMATED MULTIMODAL MOBILITY A REALITY

- INNOVATION, DATA AND AI FOR SMART MOBILITY

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**RESILIENT**

# 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

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**RESILIENT**

# FLAGSHIP AREAS

- **REINFORCING THE SINGLE MARKET**

- **MAKING MOBILITY FAIR AND JUST FOR ALL**

- **ENHANCING TRANSPORT SAFETY AND SECURITY**

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**INTERNATIONAL**

# 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

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# Aviation

# Aviation – Key elements

- **ReFuelEU Aviation,** boosting production & uptake of sustainable aviation fuels
- Incentives for **cleaner & quieter aircraft**
- **Clean airports**
- **Single European Sky:** a modernised regulatory framework & digital ATM infrastructure
- **'Drone Strategy 2.0':** further improved drone ecosystem in Europe
- Updated rules for a **more competitive, sustainable & resilient Aviation Single Market**
- CORSIA to **internalise cost of CO2 emissions** for aviation globally
- **Renew partnerships for aviation**: SESAR and Clean Aviation Partnership
- **Empowering consumers**: Developing an environmental label for aviation

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Waterborne transport

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# Waterborne – Key elements

- **FuelEU Maritime,** boosting production & uptake of renewable low-carbon maritime fuels

- Revision of ETS to **internalise cost of CO2 emissions** for maritime transport

- **Clean ports** and initiatives on marine pollution

- Foster development of decarbonisation and zero-pollution **measures at IMO**

- Launch NAIADES III to boost **inland waterways transport**

- **Paperless freight:** Maritime Single Window environment, electronic freight transport (eFTI) & other electronic tools

- Foster development of **Autonomous maritime systems**

- Initiatives to enhance **living and working conditions for seafarers**

- Revision of the mandate of **European Maritime Safety Agency**

- Revision of the **maritime legislation** on flag state and port state control

- Revision of the **EU Ship Recycling** Regulation

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# Road – Key elements

- Revision of the **CO2 standards** for **cars** and **vans &** review of **CO2 standards** for **heavy-duty vehicles**
- More stringent **air pollutant emissions standards** for **combustion engine vehicles: Euro 7**
- **Improved emissions testing** in roadworthiness checks
- New regulation on **batteries**, incl. sustainability criteria
- Revision of rules on **weights and dimensions of heavy-duty** vehicles to increase competitiveness of zero-emission vehicles
- Adoption of legislation for **approval of connected & automated vehicles**
- Revision of the **Directive on cross-border enforcement of traffic rules**
- **External costs of transport** within the EU to be **covered by transport users**
- **Road Safety: Vision Zero by 2050**

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**Rail transport**

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# Rail – Key elements

- **EU 2021 Rail Corridor Initiative:**
  - Action plan to boost passenger rail services
  - Better alignment of TEN-T corridors and rail freight corridors
- Review of **TEN-T Guidelines**, incl. high-speed lines
- Measures to **better manage & coordinate international rail traffic** (2022)
- Framework for **ticketing across modes**
- **Deployment of new technologies** such as digital coupling & automation
- **Further decarbonisation** through **electrification** & increased use of **hydrogen** and **batteries** where electrification is not possible
- **European Year of Rail 2021**

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# Evaluation of Urban Mobility Package (UMP)

- **An evaluation of the 2013 Urban Mobility Package is finalised and published:**

**https://eur-lex.europa.eu/legal-content/en/TXT/?uri=CELEX:52021SC0047**

- **Despite some progress done – congestion, poor air quality, CO2 emissions and road accidents – still persist. New challenges to consider:**

| | |
|---|---|
| 1. **Poor connectivity of peri-urban and rural areas** | 2. **Accelerating climate and environmental crises** |
| 3. **New mobility services enabled by digitalisation** | 4. **Impact of Covid and changes in mobility, work and consumption patterns** |

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# Roadmap on the new EU urban mobility framework – challenges to tackle

- The mobility patterns in EU cities are changing, affected by technological, socio-demographic, cultural and environmental factors.

- There is a need for a more coordinated approach, in particular in the areas where EU action can contribute the most, such as ensuring bigger coverage and quality of sustainable urban mobility plans and a more coherent approach to urban mobility data and indicators to monitor progress e.g. towards climate neutrality.

- [Feedback period on the roadmap closed on 25/05]

https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12916-Sustainable-transport-new-urban-mobility-framework_en

# New EU urban mobility framework - goals

Building on 2013 urban mobility package, the initiative will propose a comprehensive enabling EU framework to assist and incentivise Member States and cities in developing safe, accessible, inclusive, affordable, smart, resilient and zero-emission urban mobility as an important contribution to meeting the 2050 climate target.

Contributing to the transition to a climate-neutral economy and emission-free transport at local level, it will address transport pollution and draw lessons from COVID-19 pandemic

An important part will be the strengthened role of urban nodes on the Trans-European Transport (TEN-T) Network as vital enablers of sustainable, efficient and multi-modal transport.

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# Preparation of next steps – new urban mobility framework

- Engaging with cities to ensure that all large and medium-sized cities that are urban nodes on the TEN-T network put in place their own **sustainable urban mobility plans (SUMPs) by 2030 and collect minimum harmonsed urban mobility data**

- Active transport modes, such as cycling, have seen growth with cities announcing over 2300 km of extra cycling infrastructure. This should be doubled in the next decade towards **5000 km in safe bike lanes**

- Clearer guidance is needed on **mobility management at local and regional level**, including on better urban planning, and on connectivity with **rural and suburban areas**, so that commuters are given sustainable mobility options

- Shift towards shared and **collaborative mobility services** (shared cars, bikes, ride-hailing, and other forms of micromobility) facilitated by the emergence of intermediary platforms, thereby enabling the reduction of the number of vehicles in daily traffic

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# THANK YOU!