European Commission

SUSTAINABLE & SMART
MOBILITY STRATEGY
Logistics and multimodality

Mobility and Transport

Transport Community - 7th Transport Facilitation Technical Committee meeting
25 January 2021

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.**

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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**

The 3 objectives

Objective 1 — Sustainable Mobility

AN IRREVERSIBLE SHIFT TO ZERO-EMISSION MOBILITY

- 90 % reduction in transport emissions;
- All transport modes are made more sustainable;
- Sustainable alternatives are available;
- Right incentives are in place for sustainable choic

Objective 2 — Smart Mobility

ACHIEVING SEAMLESS, SAFE AND EFFICIENT CONNECTIVITY

- Seamless **multimodal** transport based on digital solutions;
- Unleash full potential of **data**;
- Develop and deploy **connected**, cooperative, and automated mobility services;
- Paperless freight transport in favour of fast, digital procedures.

Objective 3 — Resilient Mobility

A MORE RESILIENT SINGLE EUROPEAN TRANSPORT AREA: FOR INCLUSIVE CONNECTIVITY

- Reinforced Single Market:
  - more investment in infrastructure and fleets;
  - deepening and enforcing internal market;
  - making our system crisis proof.
- Fair and just mobility (that is affordable and accessible);
- Enhanced safety and security.

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Milestones – 2030/35

By 2030

- **Min.** 30 million zero-emission cars and **80 000 zero-emission lorries** in operation
- Zero-emission **ocean-going vessels ready for market**
- **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
- Operational **multimodal Trans-European Transport Network** equipped for sustainable and smart transport with high speed connectivity (**core** network)

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, 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)

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A SUSTAINABLE AND MULTIMODAL FREIGHT TRANSPORT

Sustainable

Modal shift to more sustainable modes

- Investments in terminals
- Efficiency of transhipment technologies
- Support to intermodal transport
- Better performance of non-road modes

Sustainable

Putting in place the right incentives to drive the transition.

- Implementation of polluter/user pays principles
- Harmonised measurement of GHG emissions in logistics chains

Smart

Taking advantage of digitalisation & automation

- Efficient capacity and traffic management
- Advanced digital infrastructure
- Data availability access and exchange, transparent supply chains

Resilient

A more resilient single European transport area

- Reinforcing Single Market with a multimodal perspective
- Investments, public and private, in infrastructure and fleet

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Research will help to innovate

Horizon Europe
Cluster Climate, Energy and Mobility

Research to:

- **Decarbonise** the energy and transport sector by 2050

- Improve the **sustainability** and **competitiveness** of the energy and transport industry and the quality of the services (using digitalisation)

https://ec.europa.eu/info/horizon-europe_en

4.6 Develop seamless, smart, safe, accessible and inclusive mobility systems

- Make **automated and connected road transport** safe and competitive

- Develop efficient and innovative transport **infrastructure**

- Develop the future **transport network and integrated traffic management**

- Enable **multimodal freight logistics** and passenger mobility services

- Increase transport **safety** – per mode and across modes

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Work programme 2021-2022

Possible TOPICS on:

- Multimodal freight transport **nodes** and logistics **networks integration**
- **Resilient** logistics networks
- Smart **enforcement** in road transport
- Greening the **last mile** and **urban planning**
- Advanced **multimodal network and traffic management**
- **Climate-resilien**t and **sustainable** multimodal infrastructures
- **Lowering** infrastructure related emissions (to construct, maintain and decommission)

For possible COLLABORATION

- European Technology Platform ALICE : logistics stakeholder community active in research projects

Tentative CALL PLANNING

- Opening: April 2021 – Closing: Oct 2021
- Opening: Oct 2021 – Closing: Jan 2022
- Opening: April 2022 – Closing: Sept 2022
- *Info to be on Participant Portal website*

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Robert Missen
European Commission – DG Mobility and Transport
Head of Unit Innovation and Research
Robert.Missen@ec.europa.eu

THANK YOU!

webpage with the relevant documents and communication material:
https://ec.europa.eu/transport/themes/mobilitystrategy_en