



EU policy on Climate Change and resilient transport infrastructure

Workshop for Consideration of Physical Climate Change Risks in Transport Planning and Operational Processes - 26 March 2021

Rafal Stanecki

DG MOVE/B3, European Commission

EU climate action and the European Green Deal

- Climate action initiatives under the Green Deal include:
 - European Climate Law: 2050 climate-neutrality objective incorporated into EU law
 - European Climate Pact to engage citizens and all parts of society in climate action
 - 2030 Climate Target Plan to reduce net greenhouse gas emissions by at least 55% by 2030 and by 2050, Europe to become the world's first climate-neutral continent
 - New EU Strategy on Climate Adaptation **to make Europe a climate-resilient society by 2050**, fully adapted to the unavoidable impacts of climate change.

EU Strategy on Adaptation to Climate Change (1)

- The new strategy sets out how the European Union can adapt to the unavoidable impacts of climate change and become climate resilient by 2050
- The Strategy has four principle objectives:
 - **Smarter adaptation** - Adaptation actions must be underpinned by robust data and risk assessment tools that are available to all
 - **Faster adaptation** - We must adapt more quickly and comprehensively.
 - **More systemic adaptation** - Climate change will have impacts at all levels of society and across all sectors of the economy,
 - **Stepping up international action for climate resilience** - through scaling up of international finance and through stronger global engagement and exchanges

EU adaptation strategy (2)

- The strategy's four objectives are underpinned by 14 actions and the steps to be taken to deliver them. The Commission adopted the strategy on 21 February 2021. The Council is expected to agree to conclusions on the new strategy when it meets in **June 2021**.
 - *Investing in resilient, climate-proof infrastructure pays off. Infrastructure often lasts for many decades but much of the existing stock is not coping well with the changing climate. To minimize the risk of disasters and be cost-effective over its lifetime, infrastructure investments should be climate resilient. This may require an additional upfront cost of ~3% of a project but resilience investments have a cost-benefit-ratio of about 1:4*

DG MOVE Strategy for Sustainable and Smart Mobility (Dec 2020)

- Three objectives: making the European transport system **more sustainable, smart and resilient**
- 10 flagship areas with key milestones in order to achieve **90%** reduction of transport related emissions by 2050
- ***“Infrastructure must be adapted to climate change and made resilient to disasters”***. To be addressed in both in the **TEN-T review** and the **climate adaptation strategy**, including dedicated **guidance on the climate proofing”**

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**)

HORIZON Europe – next EU's R&I programme

- In the next R&I framework programme for 2021-2027 nearly €14 billion directed towards the 'Climate, energy and mobility' cluster and within it **nearly €400 million** for transport infrastructure, traffic management and logistics.
- **€3,700 million** for partnerships (Rail, ATM, Clean Aviation, Hydrogen, 2ZERO, Batteries, Buildings, CCAM, Clean Energy Transition, Cities)
- **€1,300 million** for missions (including Cities, and Climate adaptation)
- **35%** of total EU research funding of **€95 billion** will be spent for climate-friendly technologies

EU's infrastructure data (2018 for 27 EU MS)

- Roads - 5 mln km (73.800km of highways)
- Railways - 200.500 km (incl 8.434km high speed)
- Airports - 263 airports above 100,000 passengers/year
- Navigable inland waterways - 41,200 km



Thank you

© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

