



Breakthrough Innovations for Future Mobility

EIC Accelerator Challenge Work Programme 2025

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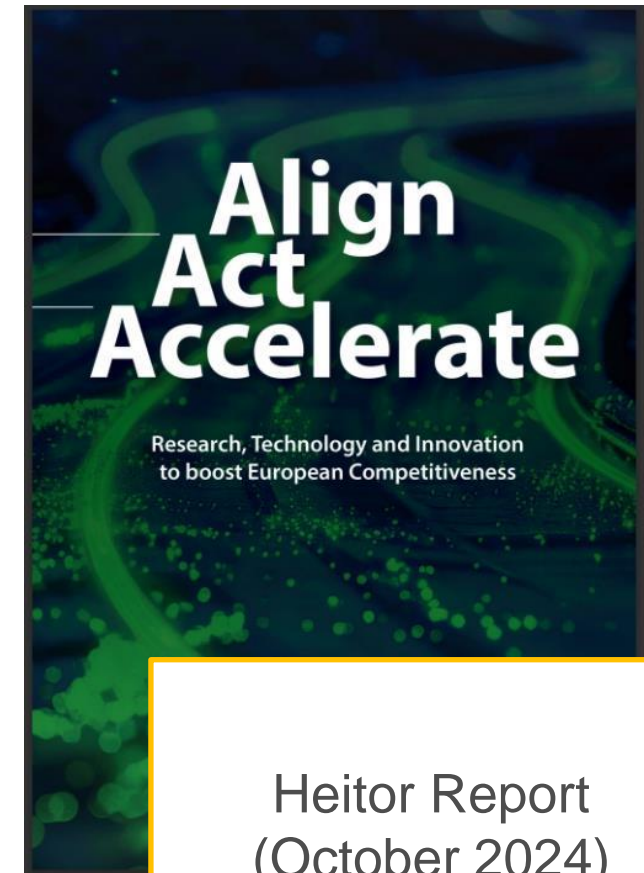
Evolving policy framework - competitiveness



Letta Report
(April 2024)



Draghi Report
(September 2024)



Heitor Report
(October 2024)

Green Deal ambitions

The EU has charted a path to climate neutrality by **2050** with an ambition to **reduce net greenhouse gas emissions by at least 55% by 2030**, compared to 1990 levels.

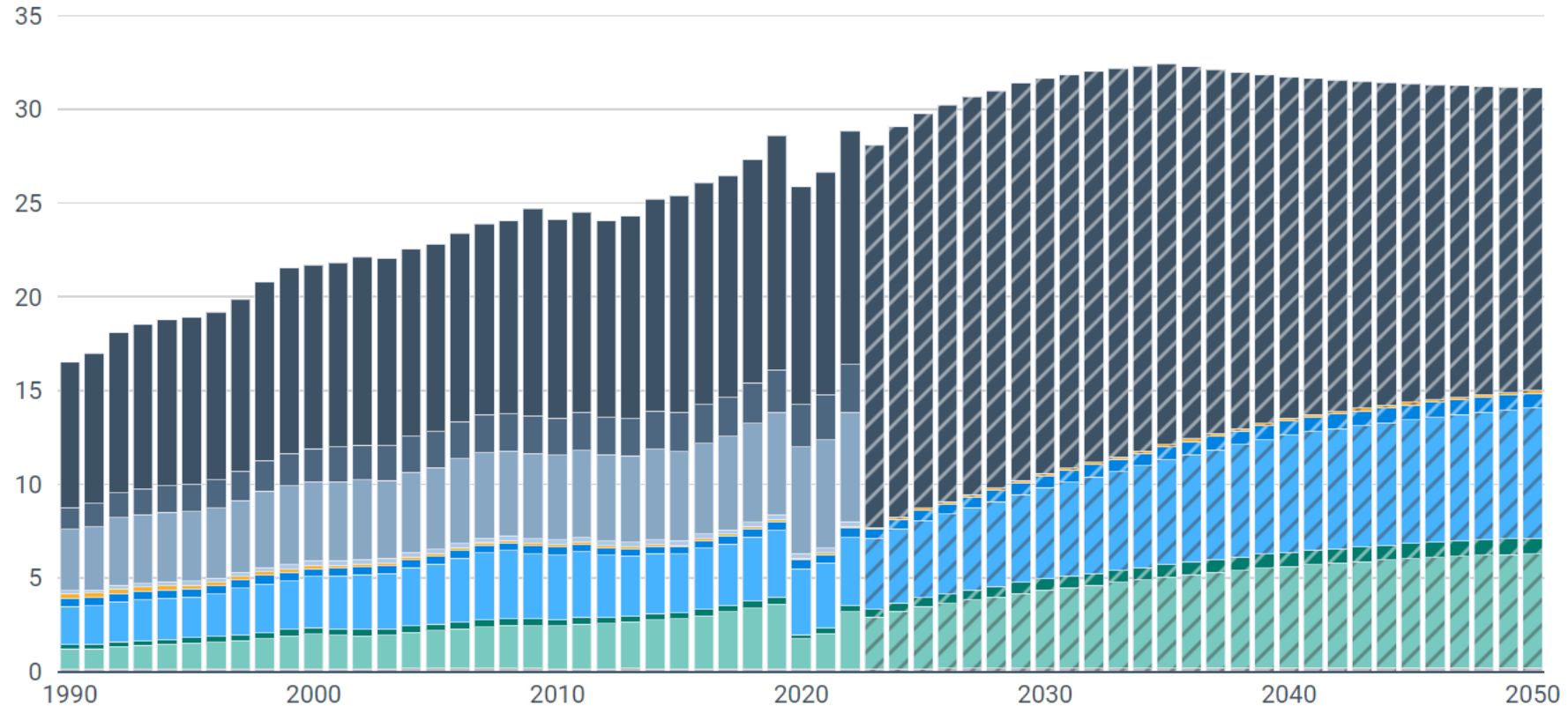


- Deliver on a 90% cut in mobility emissions by 2050
- Smart, competitive, safe, accessible, and affordable transport system.
- All road vehicles, aircraft, rail, waterborne vessels, infrastructure and new mobility services
- Increasingly climate-neutral cities and rural areas.

Mobility emissions increasing

Shares of EU-27 total GHG emissions (%)

EU-27 ▼



Time series

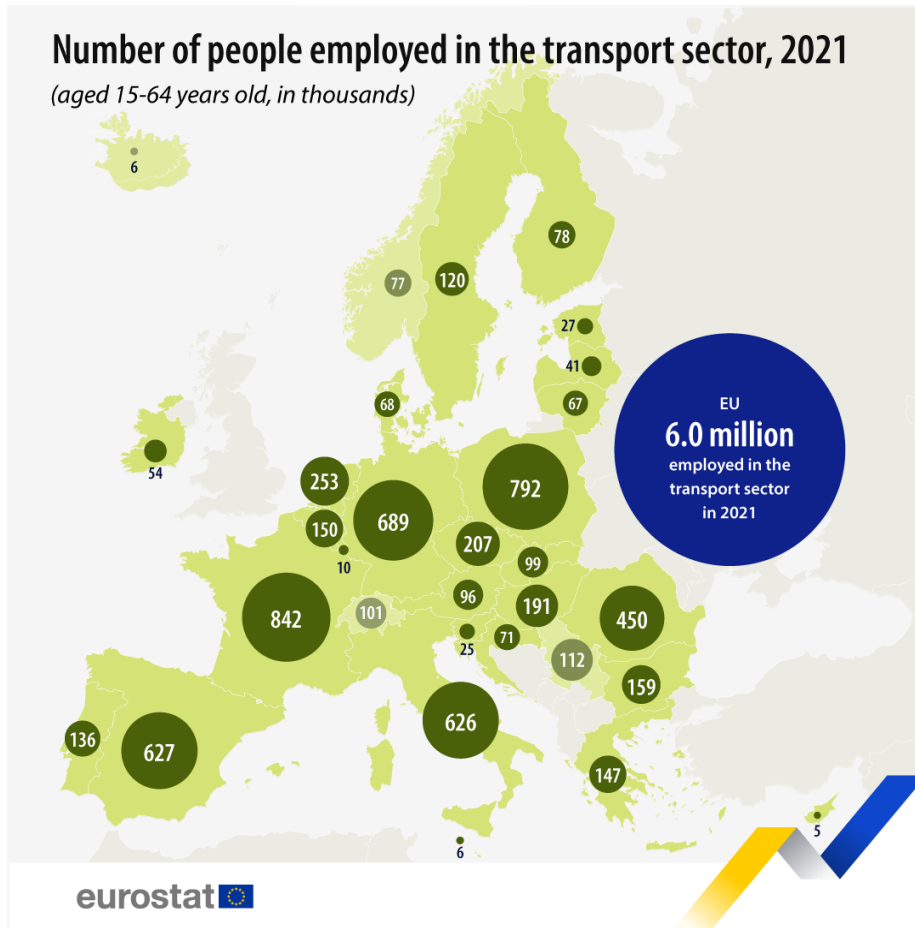
- Cars
- Vans
- Heavy duty vehicles
- Powered two-wheelers
- Other road
- Rail
- Domestic navigation
- International navigation
- Domestic aviation
- International aviation
- Other transportation

Projections

- Road
- Rail
- Domestic navigation
- International navigation

Source: European Environment Agency, October 2024

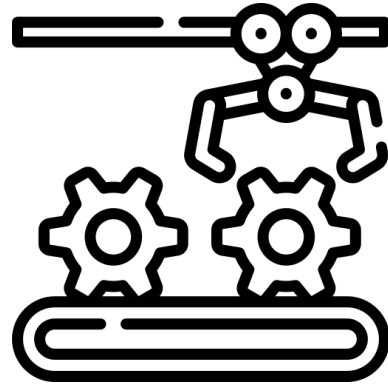
Transport at the core of EU competitiveness



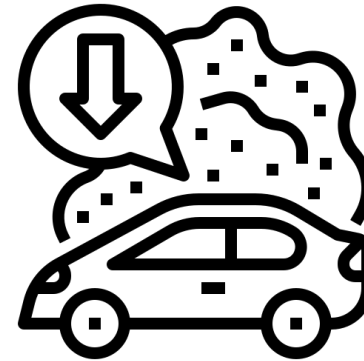
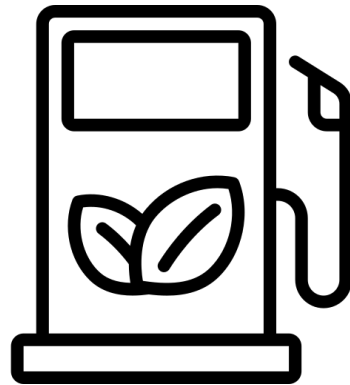
- Transport (automotive) is the area with the **highest private investment in R&I in the EU**
- Fundamental pillar of the world economy – **moving people and goods**
- Many transport technologies have **dual-use**
- Many **critical technologies¹** have **direct application in transport**: advanced semiconductors; Artificial intelligence; Advanced connectivity, navigation and advanced sensing; robotics; advanced materials, manufacturing and recycling technologies

R&I to answer the challenges

Design, manufacture,
assembly of vehicles
to reduce their
environmental footprint



Sustainable fuels for
hard-to-abate sectors,
including retrofitting
solutions



Increase efficiencies
and reductions in GHG
emissions, secondary
and other harmful
emissions and noise



Breakthroughs in the
development and
integration of digital
tools

Icons from flaticon.com

An ecosystem of Industrial Partnerships



CLEAN AVIATION

Thank you



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