

Decarbonizing transport

Benelux management committee
traffic and transport
Luxembourg, 19 October 2022

Arie Bleijenberg
President





T&E:

24 Countries

61 Members

6 Country Offices



90+ Researchers and campaigners






MISSION

Our mission is to promote, at EU and global level, a transport policy based on the principles of sustainable development.

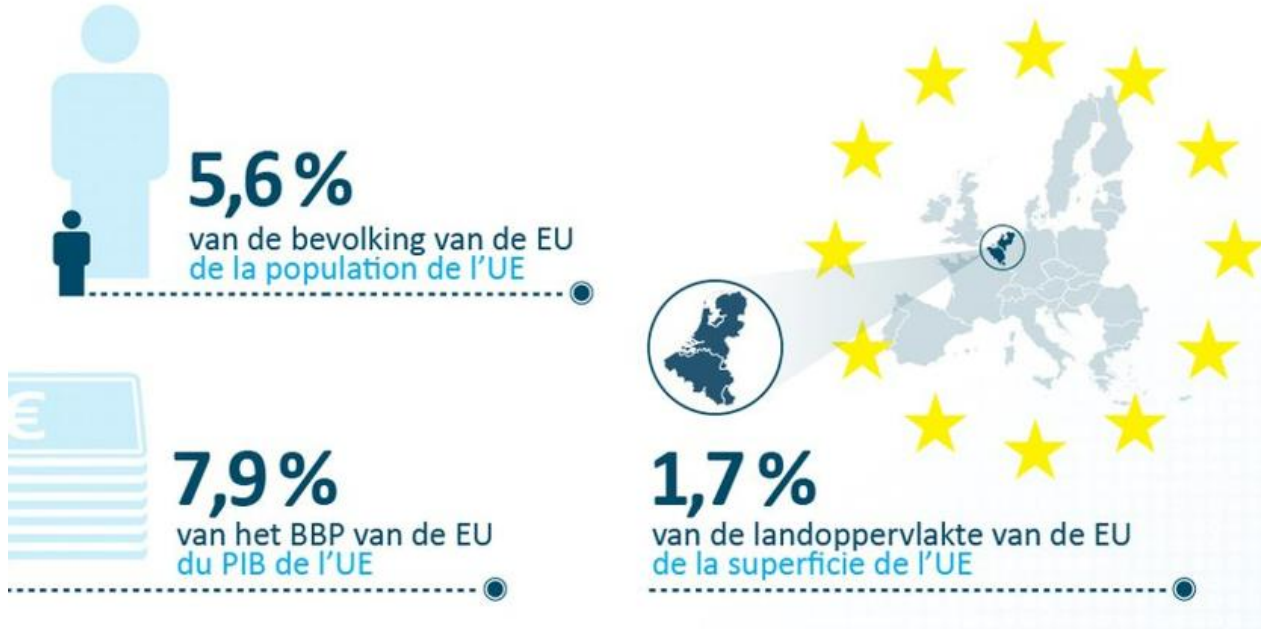


VISION

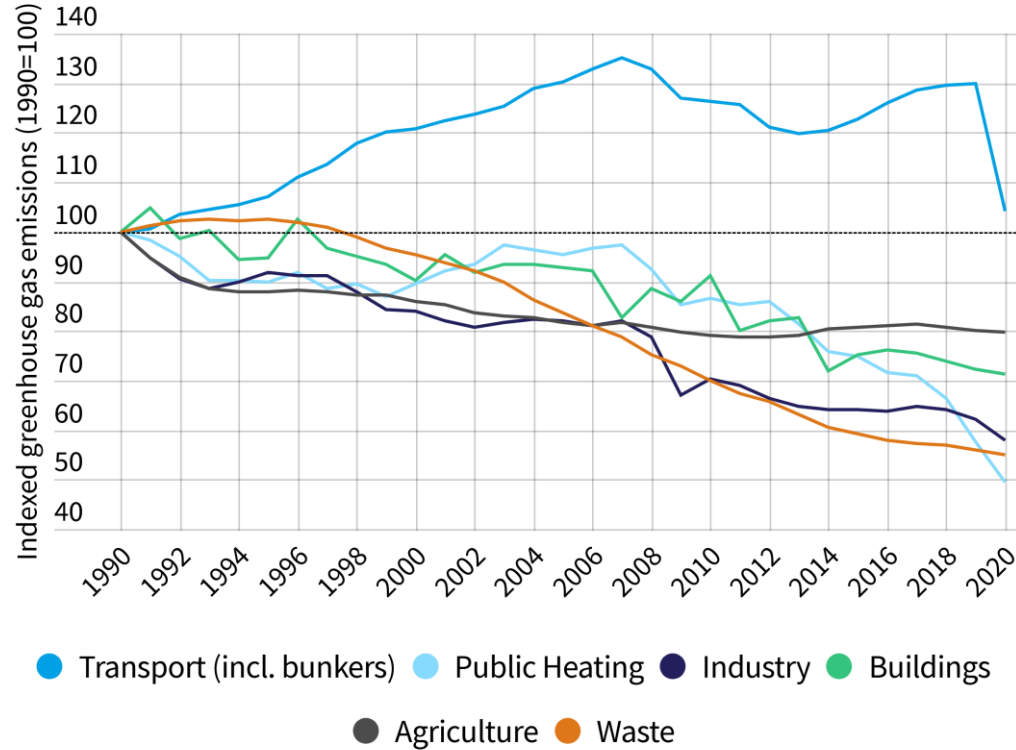
Our vision is a zero-emission mobility system that is affordable and has minimal impacts on our health, climate and environment.



Benelux: high spatial density



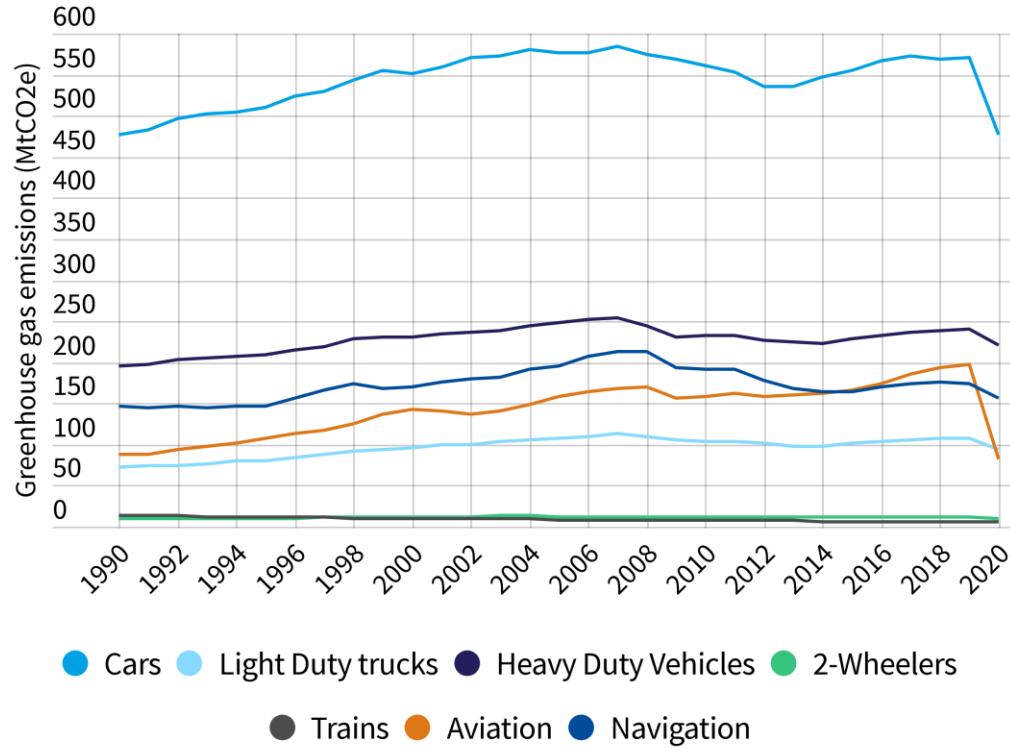
EU indexed emissions by sector



Source: Member State reporting to UNFCCC



EU transport emissions

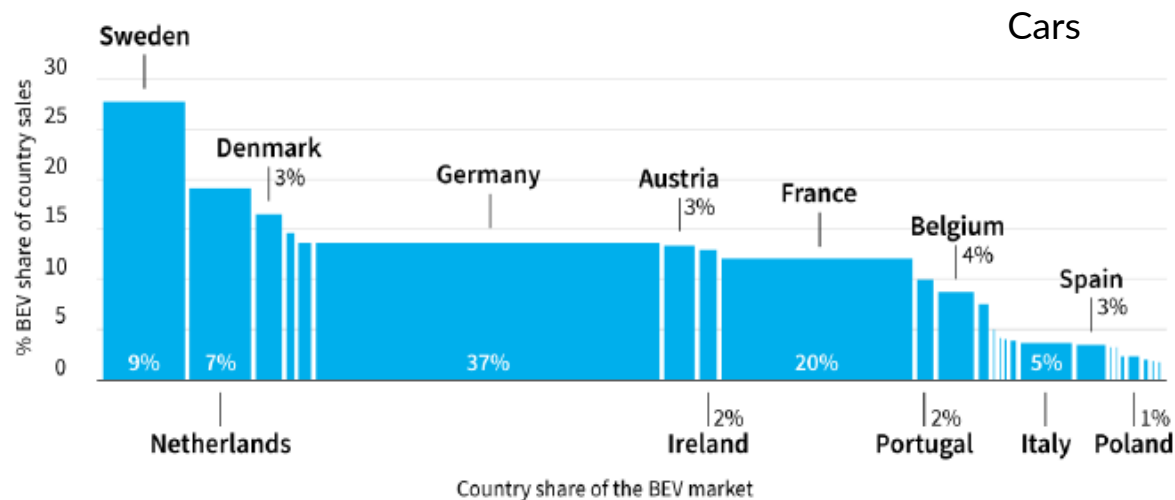


Source: Member State reporting to UNFCCC

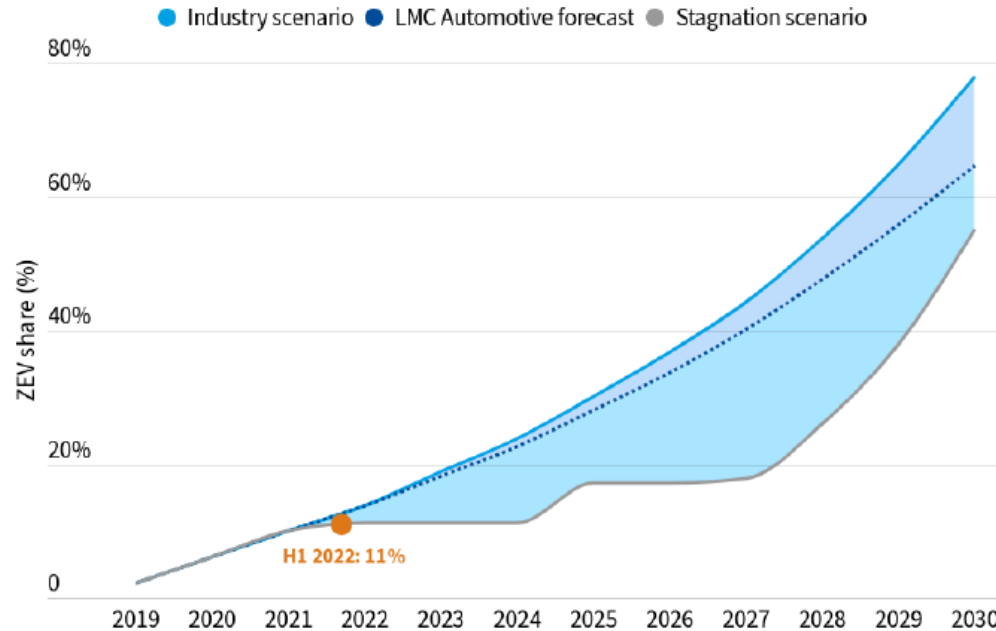
EU sales of BEVs in 2021 and first half 2022

| % in 2021 | Cars | Vans | Trucks |
|-------------|------|------|--------|
| Europe | 9,1 | 2,9 | 0,5 |
| Belgium | 5,9 | 1,0 | 0,0 |
| Netherlands | 19,8 | 4,6 | 0,6 |
| Luxemburg | 10,5 | 2,5 | n.a. |

Source: ACEA 2022



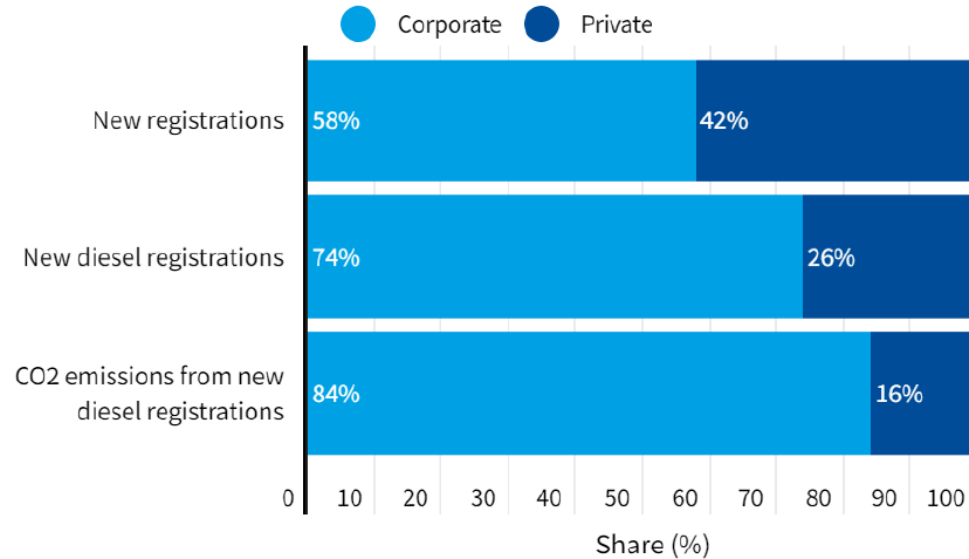
Faster uptake of BEVs needed and possible



Scope: passenger car sales in the EEA

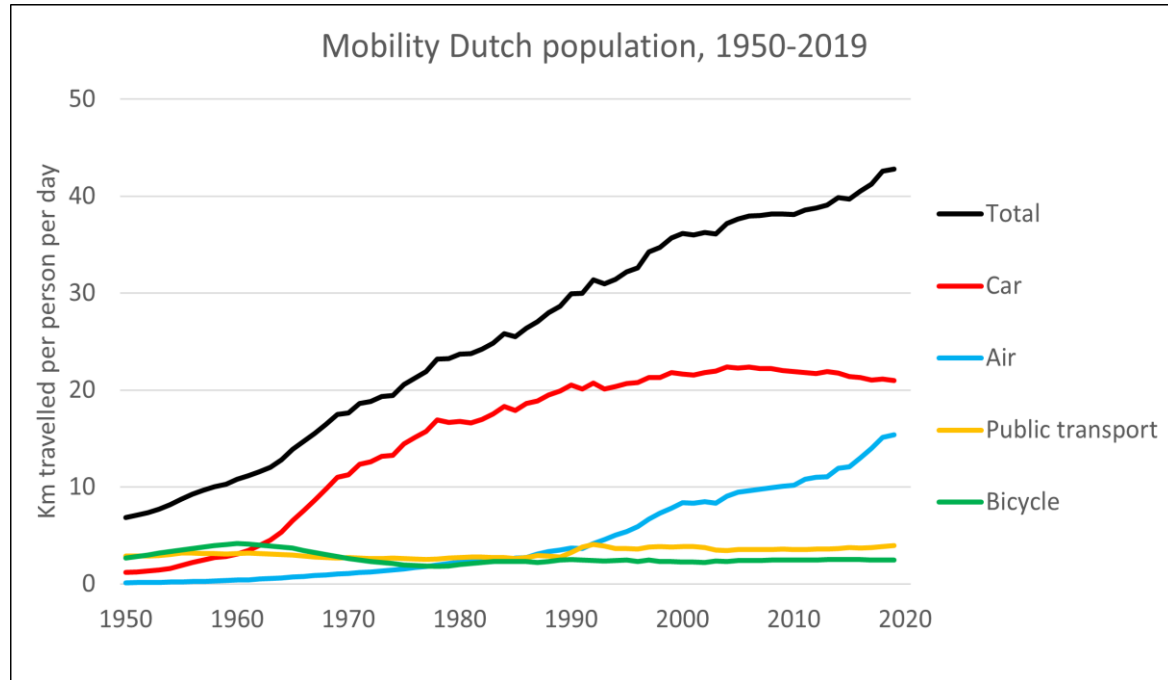
Source: T&E's plug-in vehicles sales forecast modelled from passenger car registration data from the first half of 2022 from Dataforce, LMC Automotive's Global Hybrid & Electric Vehicle Forecast (Q2 2022 update), and carmakers' sales targets.

Company cars ZEV



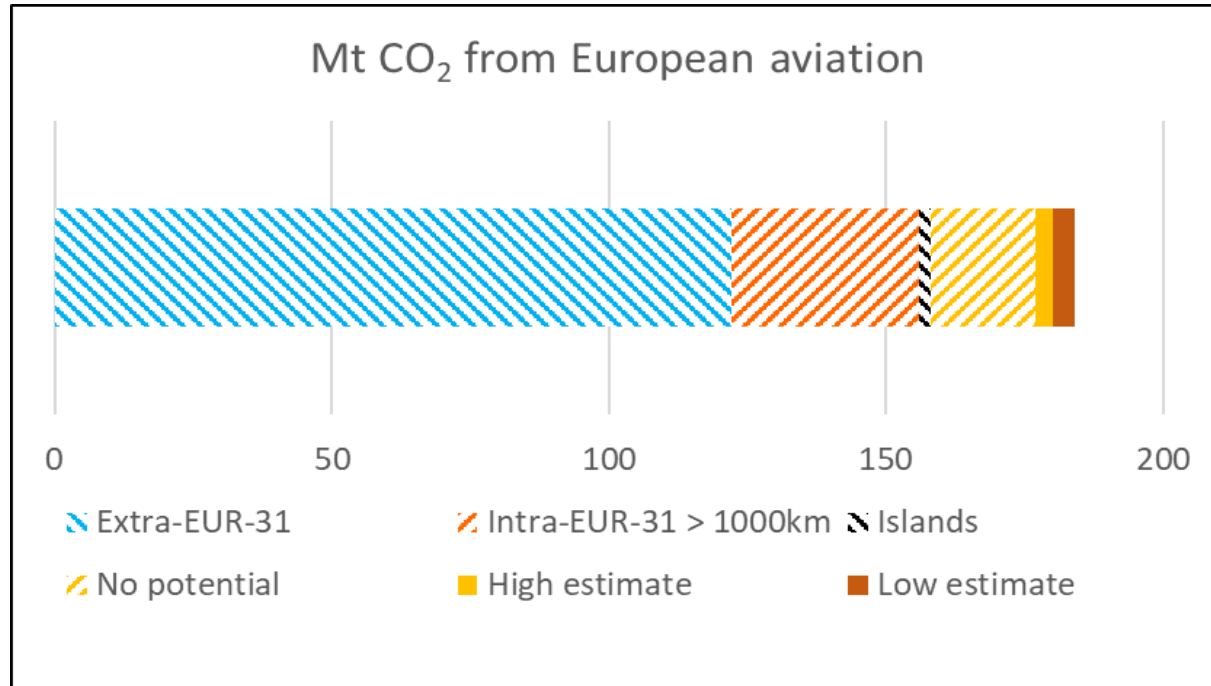
Source: Dataforce (2022). New passenger car registrations 2021. Calculated based on WLTP emissions.

Seventy years mobility growth



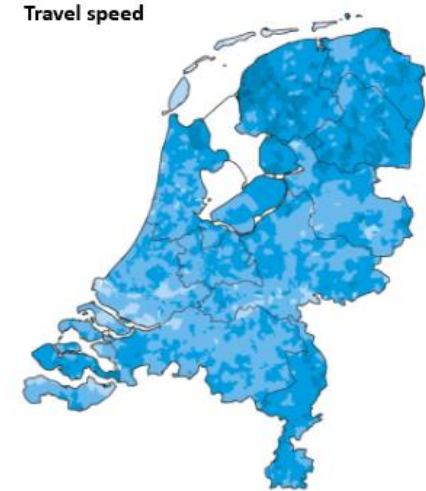
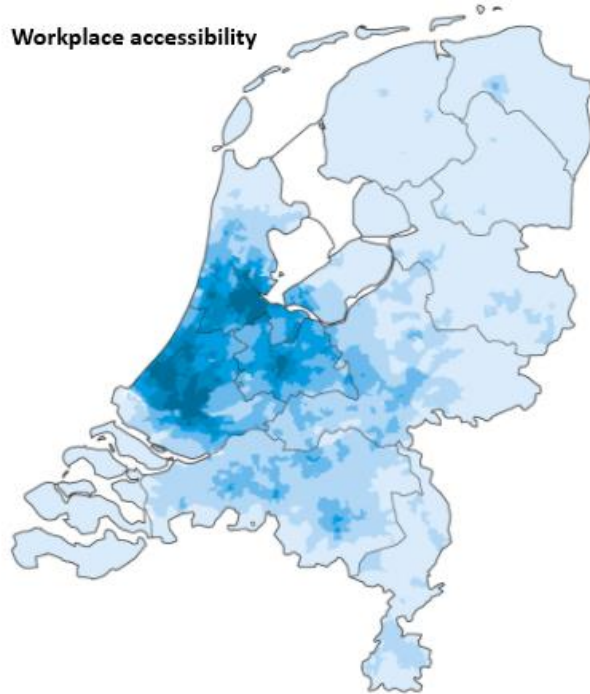
Sources: PBL, KiM

Better railways hardly reduce CO₂ from aviation



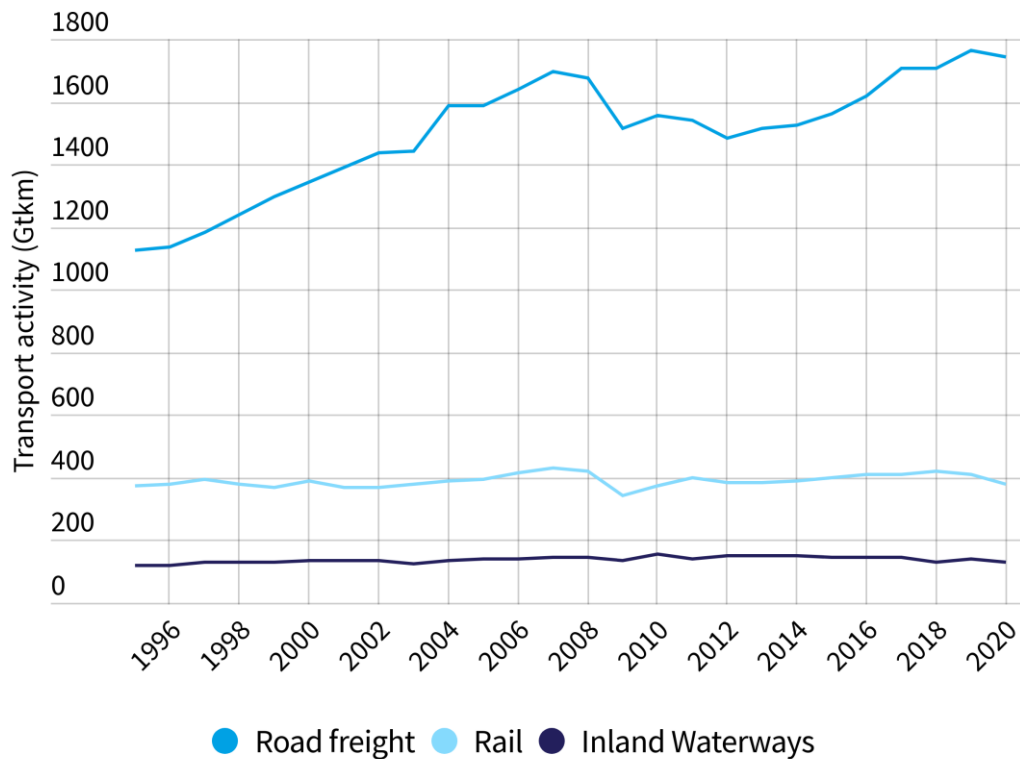
Source: Bleijenberg 2020

Accessibility and urbanisation

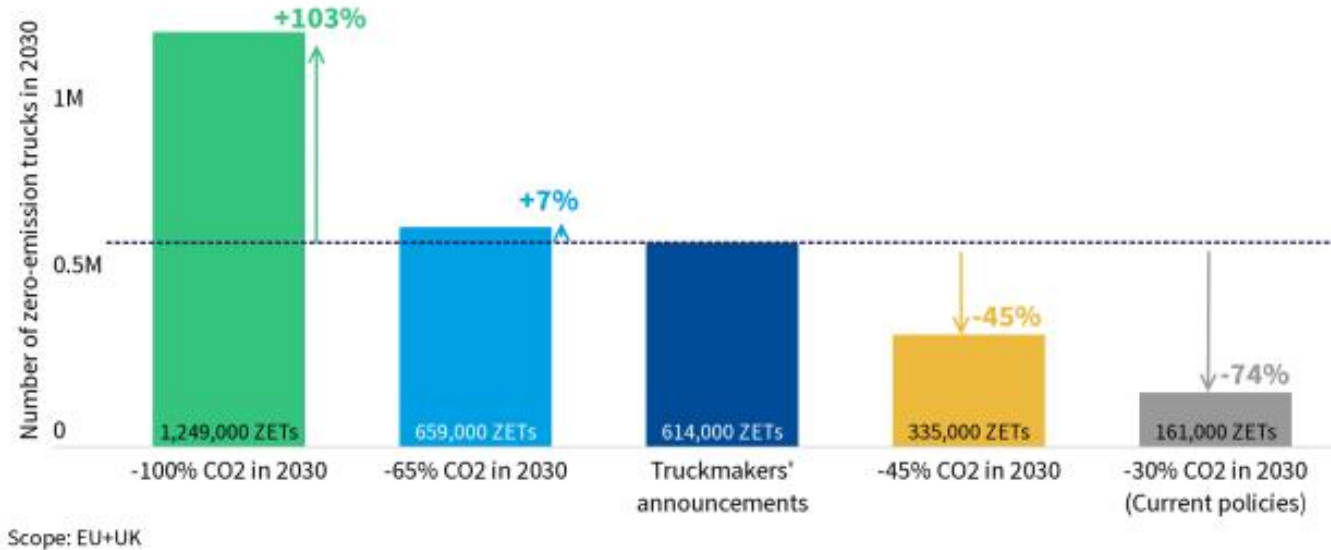


Source: PBL

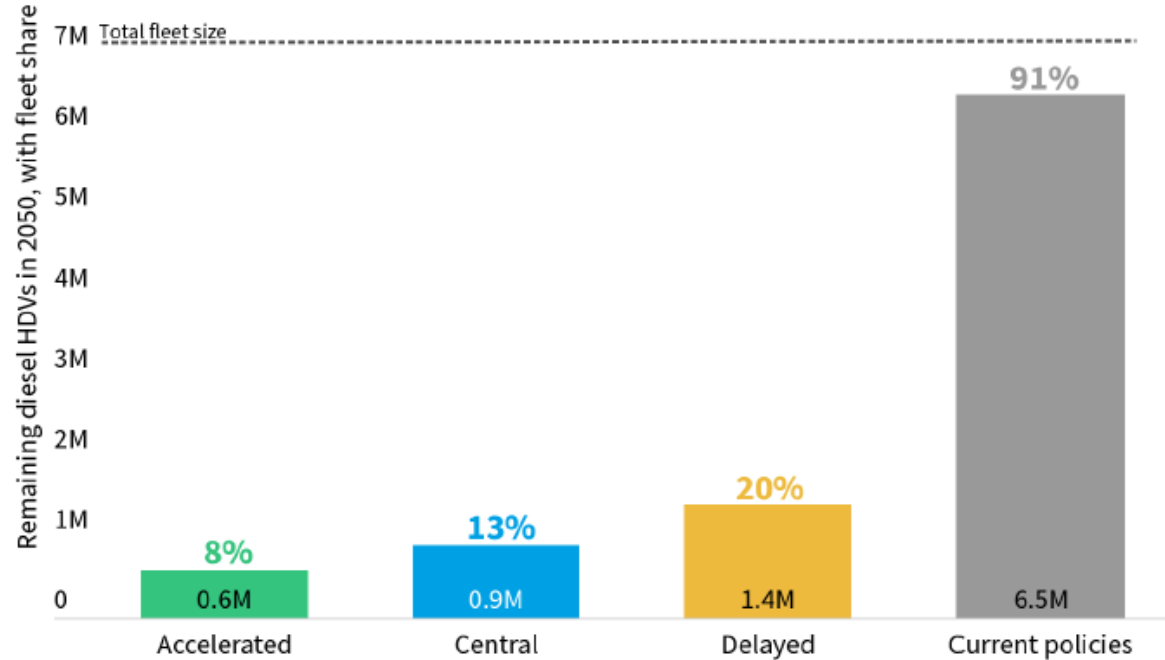
EU transport activity



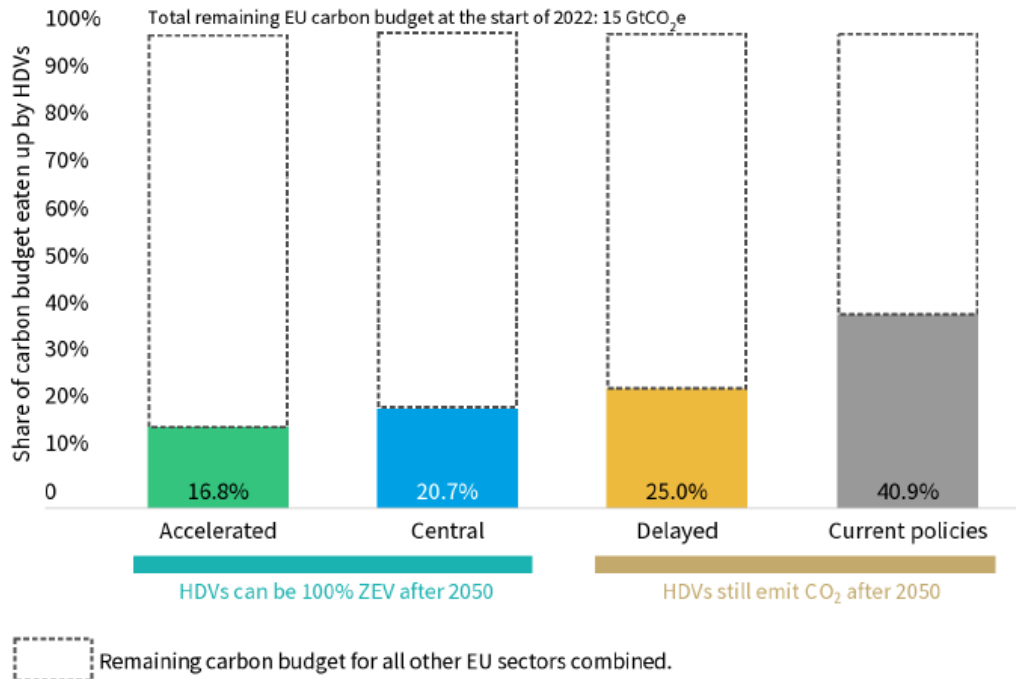
Zero-emission truck fleet in 2030



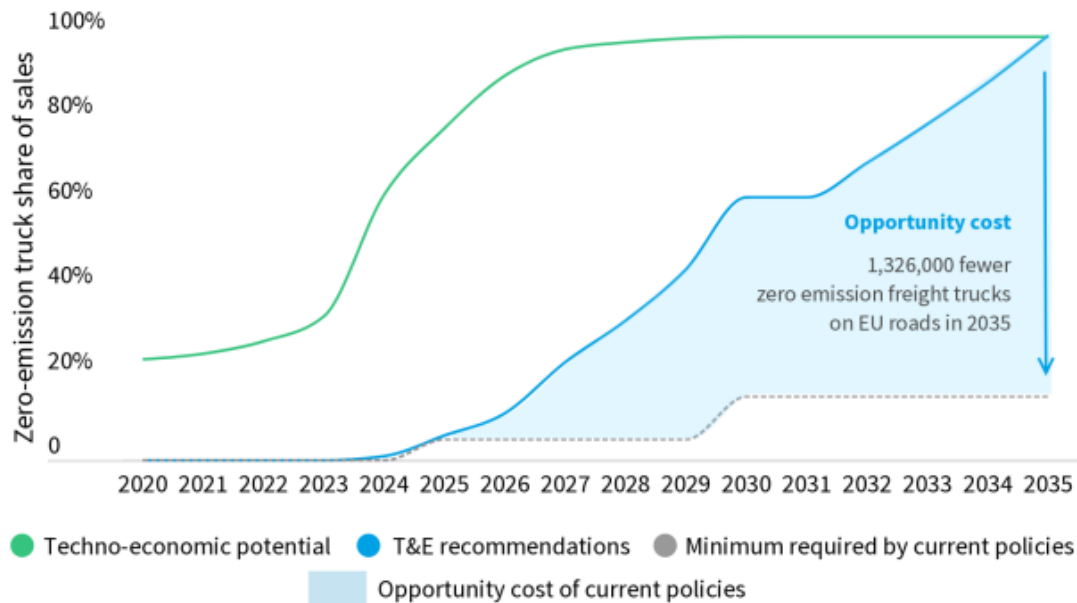
Legacy diesel trucks in 2050



Share of road freight in carbon budget till 2050

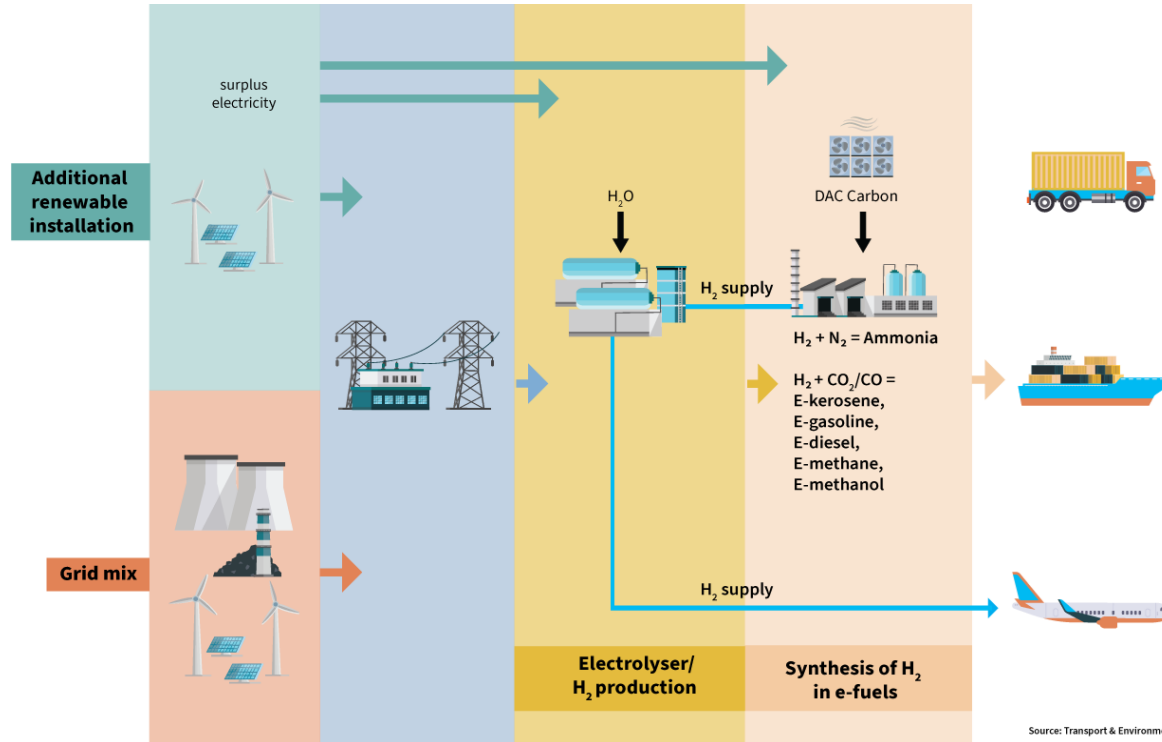


ZEV truck uptake potential



Note: Assumes ZEV uptake across all freight trucks, including currently regulated and unregulated vehicle groups

Zero carbon fuels for aviation and shipping



Key policies for decarbonizing transport

| Government layer | Policies |
|-------------------------------|---|
| Local and metropolitan | Urban densification Public transport Cycling facilities Parking control and tariffs Limited traffic zone Urban congestion charge |
| National | Urbanization, end suburbanization Fiscal measures, truck charges, company car Limited new highway capacity Funding urban accessibility Subsidizing intercity rail |
| European | Emission standards for vehicles Emission standards for energy and fuels EU Emission Trading System (ETS) |