

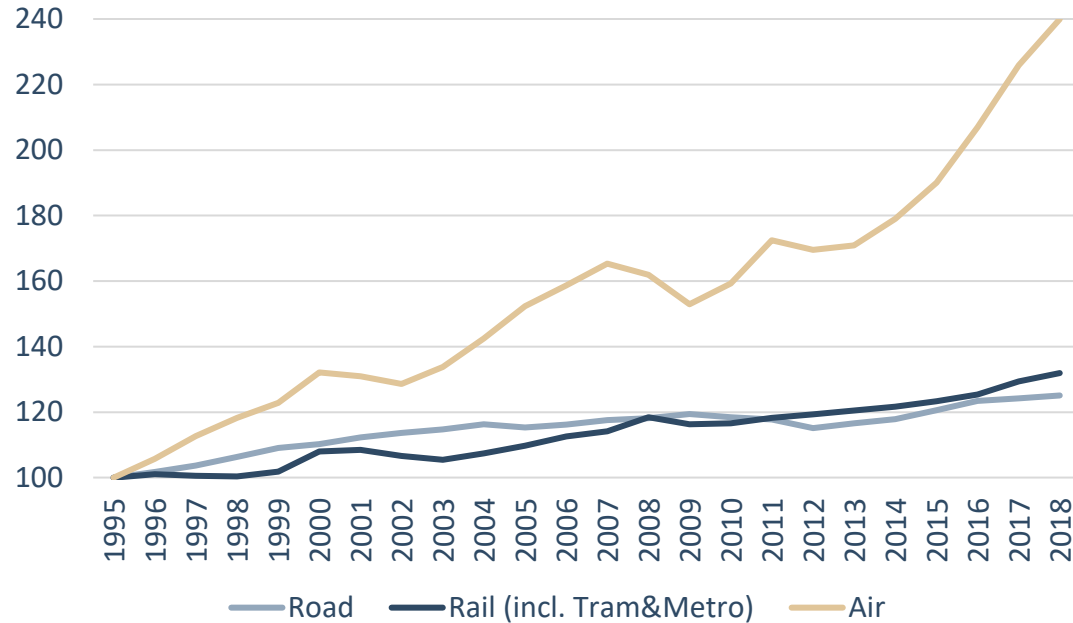
Compendium 5.0

Traffic section

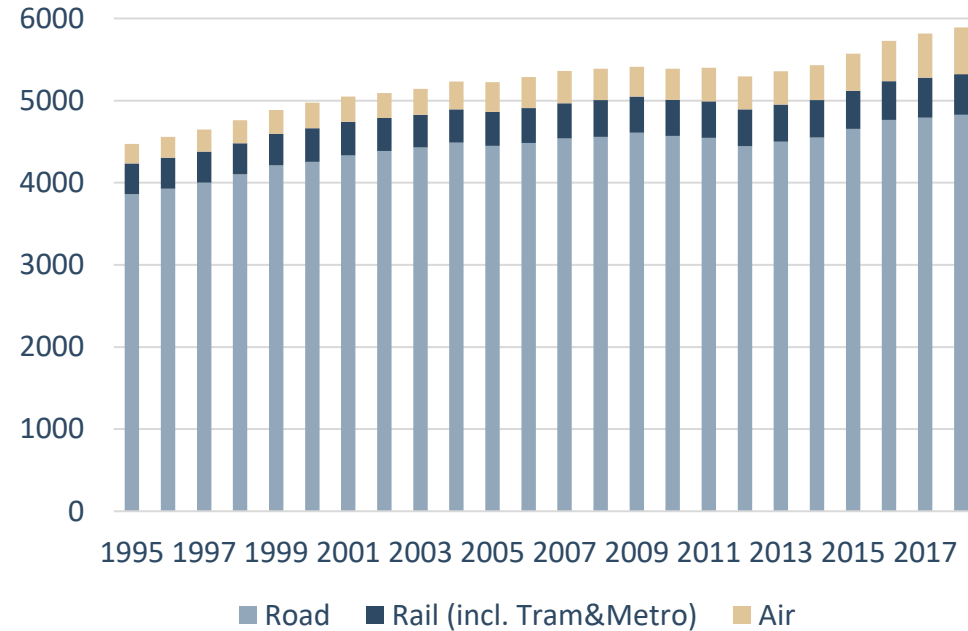


High level of dynamics in air transport, but cars are the backbone

Land based transport in the EU28 – 1995 =100



Land based transport in the EU28 – in billion pkm

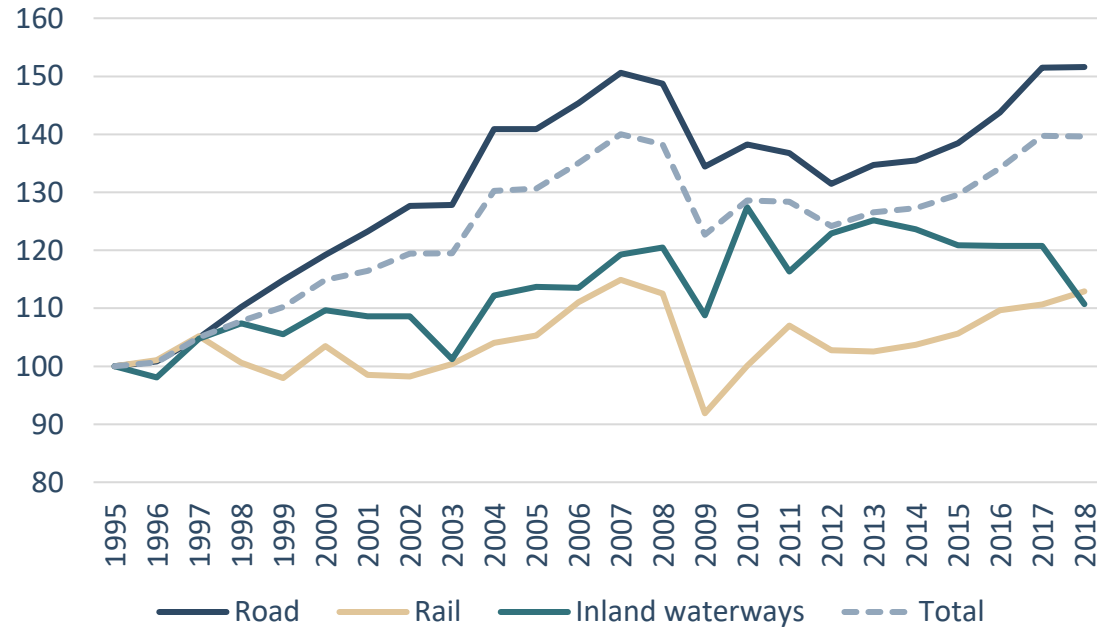


- ▶ Strong growth in air transport since the fall of the government monopoly. In 2019 it reached a record market share of 9,6 percent.
- ▶ Considerable growth in rail transport since the EU started promoting national rail transport markets. Her market share was with 4,4 percent at the level of 1995 in 2018.
- ▶ 81,6 percent of traffic is attributable to passenger transportation on roads. In 1995 it was still 85,8 percent. A stagnation has been evident since 2004. The market share is slowly falling.
- ▶ The financial crisis of the years 2008/2009 did only have small effects on passenger traffic in the EU.

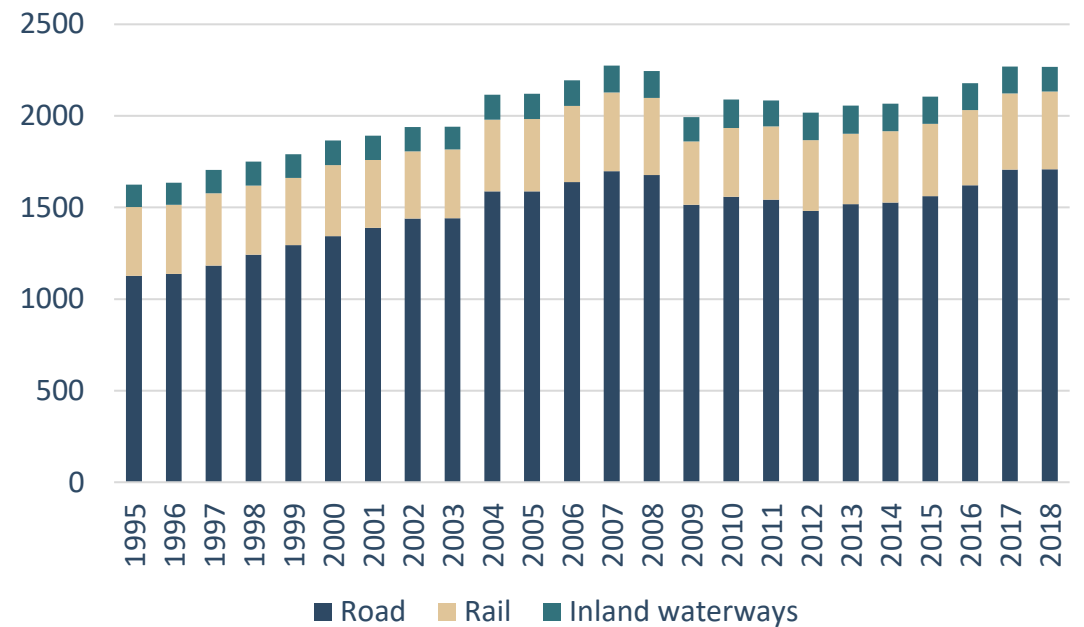
Source: Eurostat, Transport in Figures 2020

Trucks are facilitating the Single European Market

Land based transport in the EU-28 – 1995 =100



Land based transport in the EU-28 – in billion tkm



- ▶ The merging of the EU triggered tremendous growth in the area of freight transport.
- ▶ The creation of the Single European Market fuelled growth on both road and rail.
- ▶ Over 70 percent of Europe's freight is transported by truck.
- ▶ Between 2007 and 2014, freight transport in Europe has decreased by 9 percent but now it is rising again.
- ▶ Drastic effects of the financial crisis in the years 2008/2009. Only in 2018 transport performance of 2007 could be reached again.

Source: Eurostat, Transport in Figures 2020

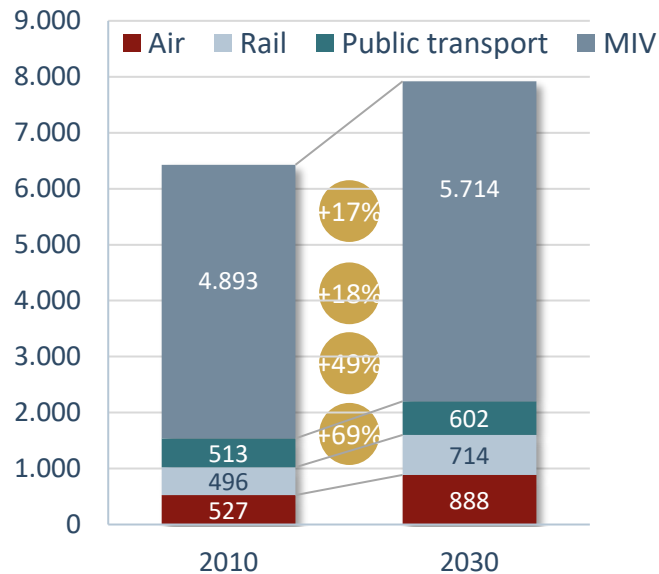
Official forecasts for freight transport in the EU until 2030

Trucks will continue to dominate the considerably growing transport market

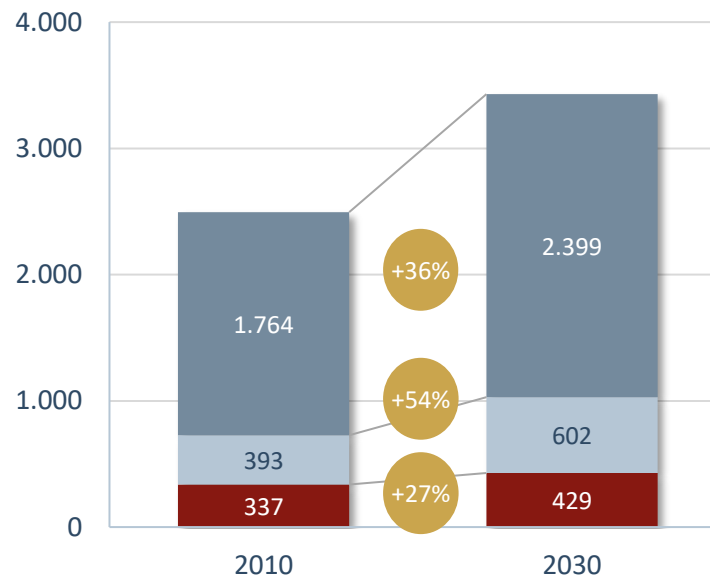
Transport service in billions of passenger kilometres/tonnes kilometres



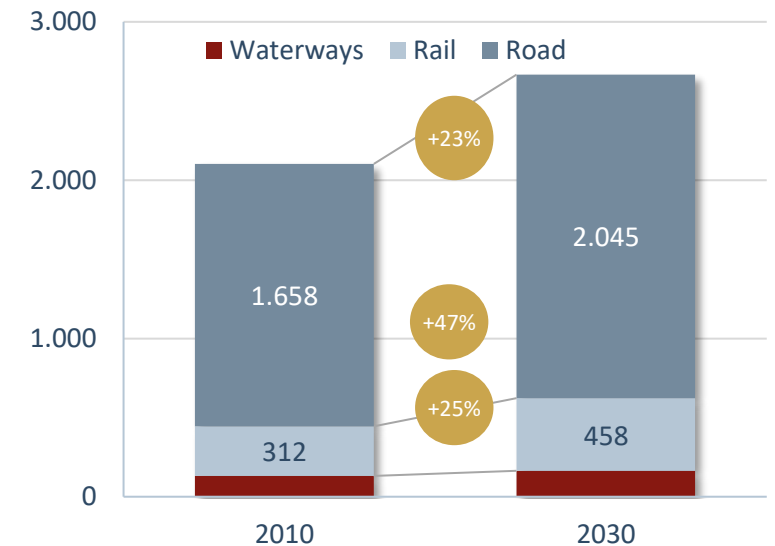
Official passenger transport forecasts in billions of passenger kilometres



Official freight transport forecasts in billions of tonnes kilometres



Prognos traffic forecasts

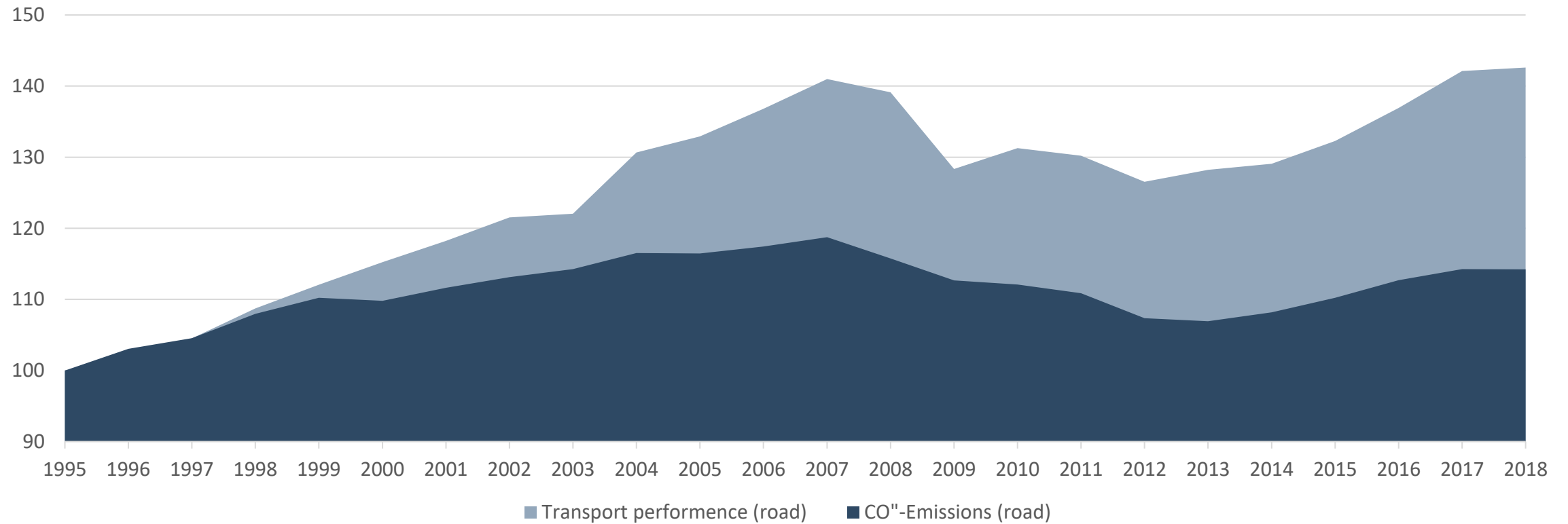


- ▶ There is some evidence that the Primes Prognosis for EU-27 from 2013 is outdated. It predicts an increase in transport service between 2010 and 2015 and clearly overestimates the real development.
- ▶ The Prognos Report covers 12 EU countries with about 92 percent of total road transport. The coverage of rail and inland waterways is less sufficient.

Sources: EU, Trends to 2050, 2013; Prograns, 2016; ; BMVI, Verflechtungsprognose 2030, 2014

Traffic growth dominates the balance sheet

Development of traffic performance of the road and of CO₂ emissions from road transport in the EU since 1995

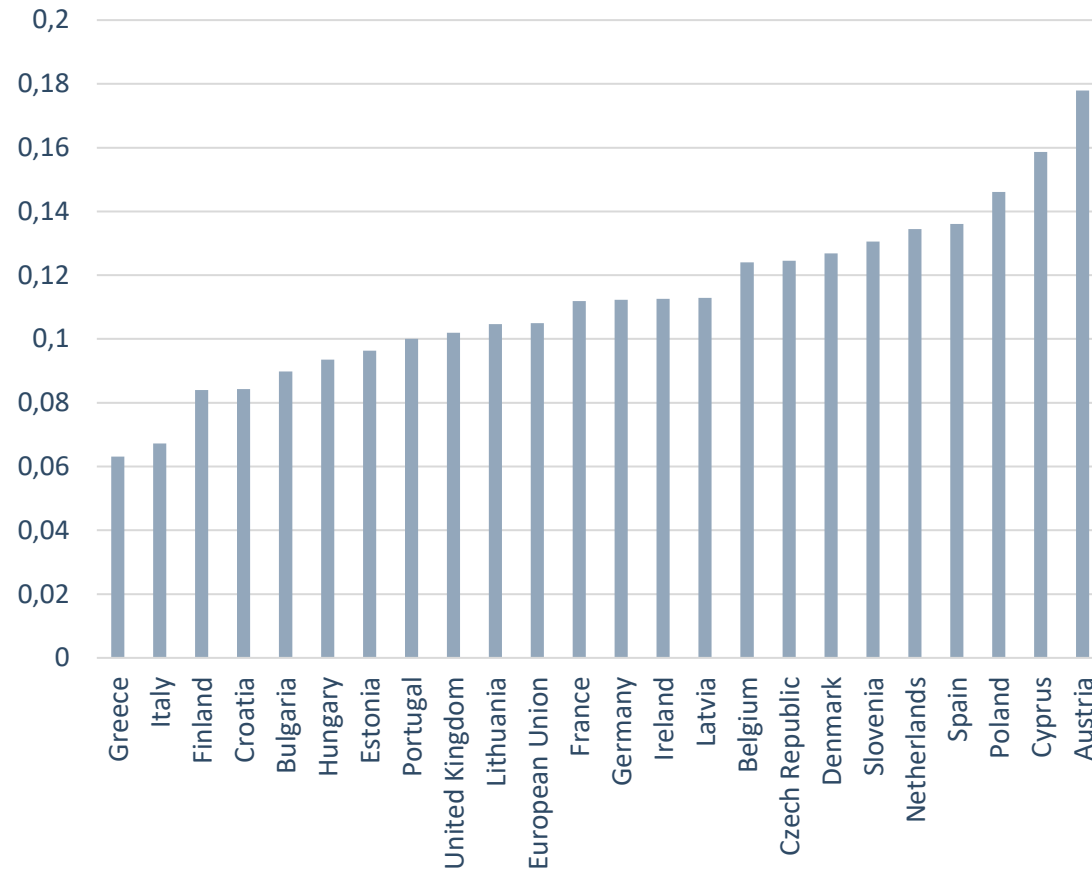


Calculation of traffic performance analogous to the approach of Arbeitsgemeinschaft Energiebilanzen using the factor: 1tkm = 10 pkm

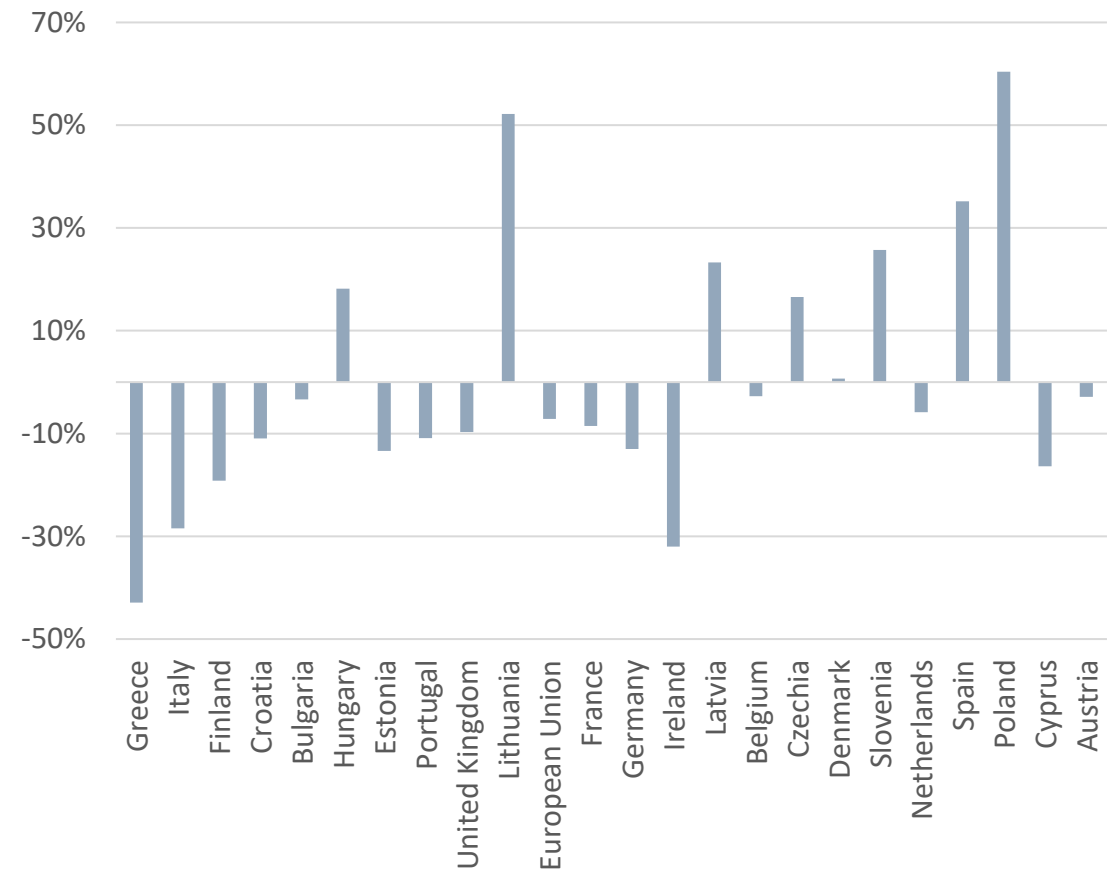
Source: Odyssee Database, 2020; own calculations

CO₂ efficiency in road passenger transport in the EU

CO₂ efficiency by states* in the year 2018
measured in kg CO₂/pkm



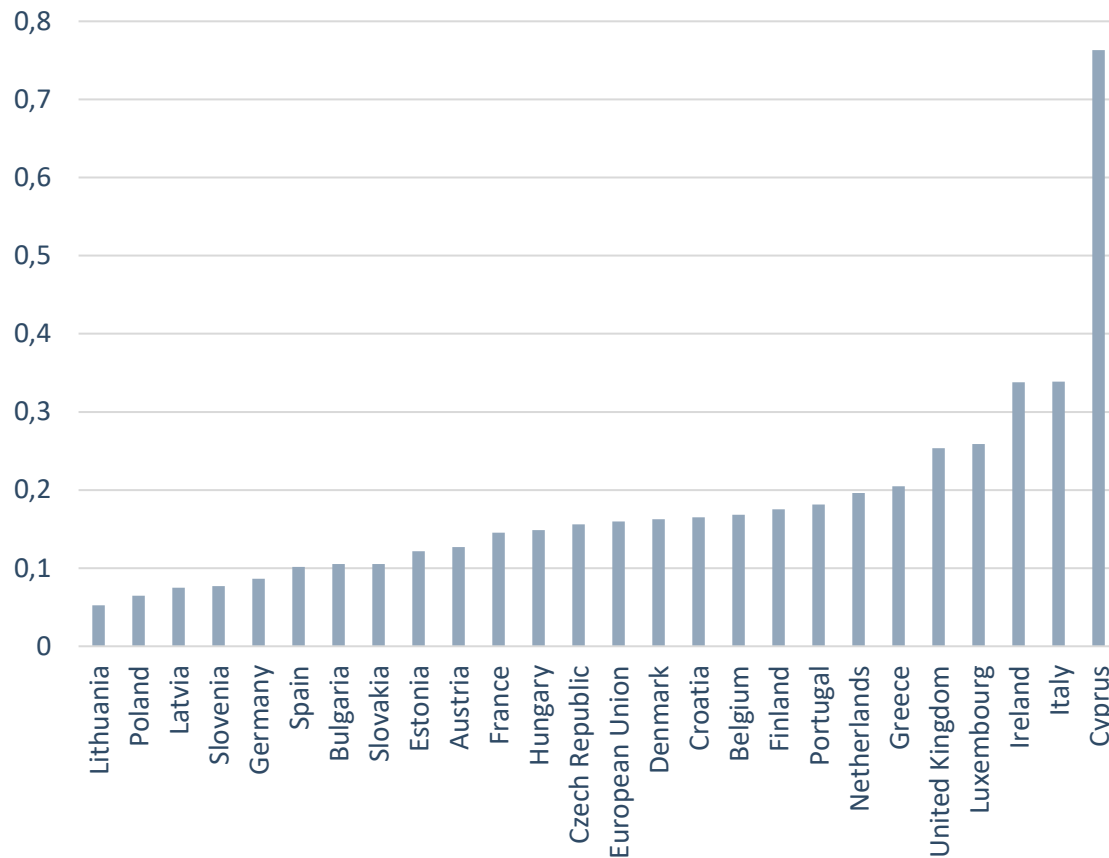
Change of CO₂ emissions per passenger kilometers
Information for the period 2000 to 2018



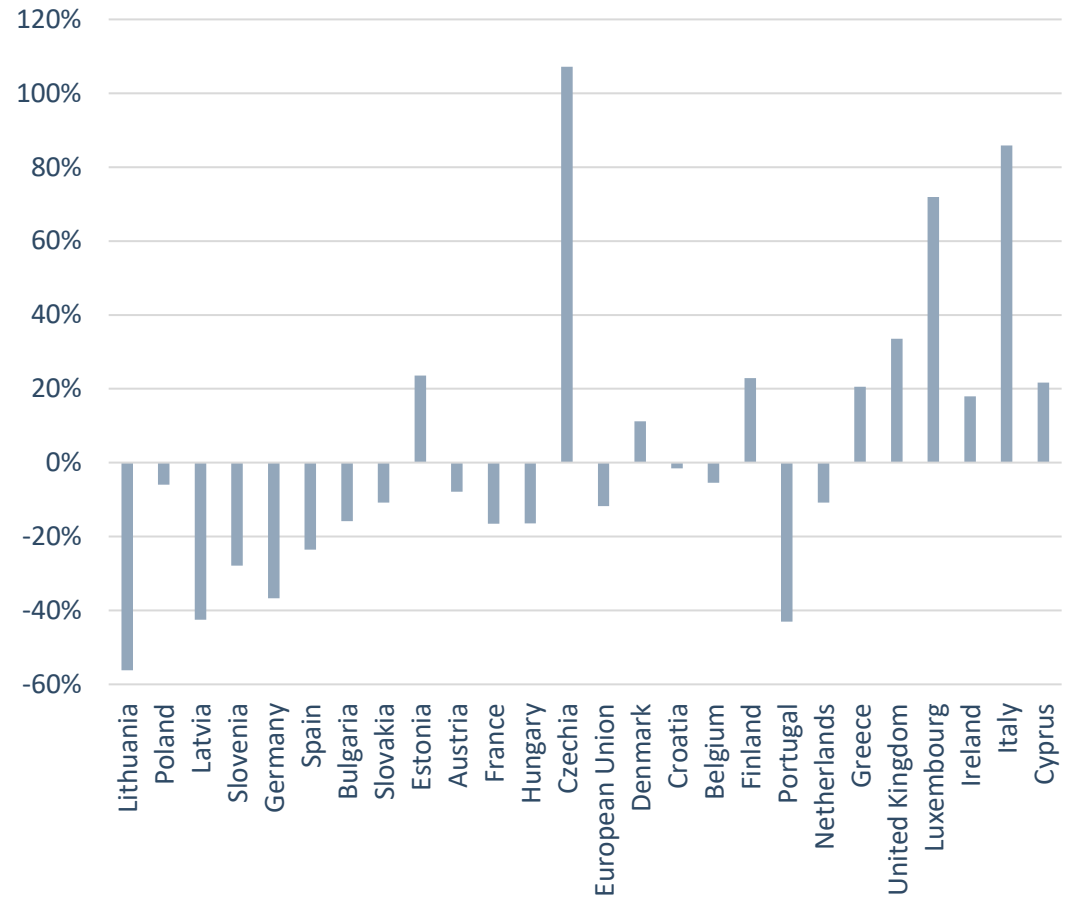
* Belgium as of 2017; no information for Luxembourg, Malta, Slovakia, Sweden
Source: Odyssee Database, 2020

CO₂ efficiency in road freight transport of the EU

CO₂ efficiency by states* in the year 2018
measured in kg CO₂/pkm



Change of CO₂ emissions per tonnes kilometres
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