

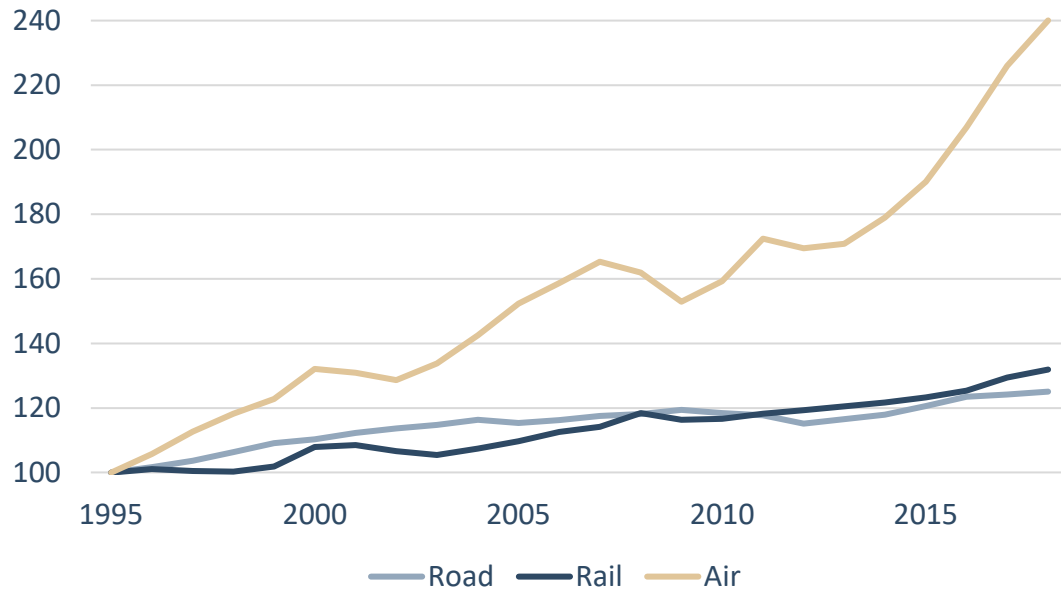
# Compendium 5.2

## Traffic section

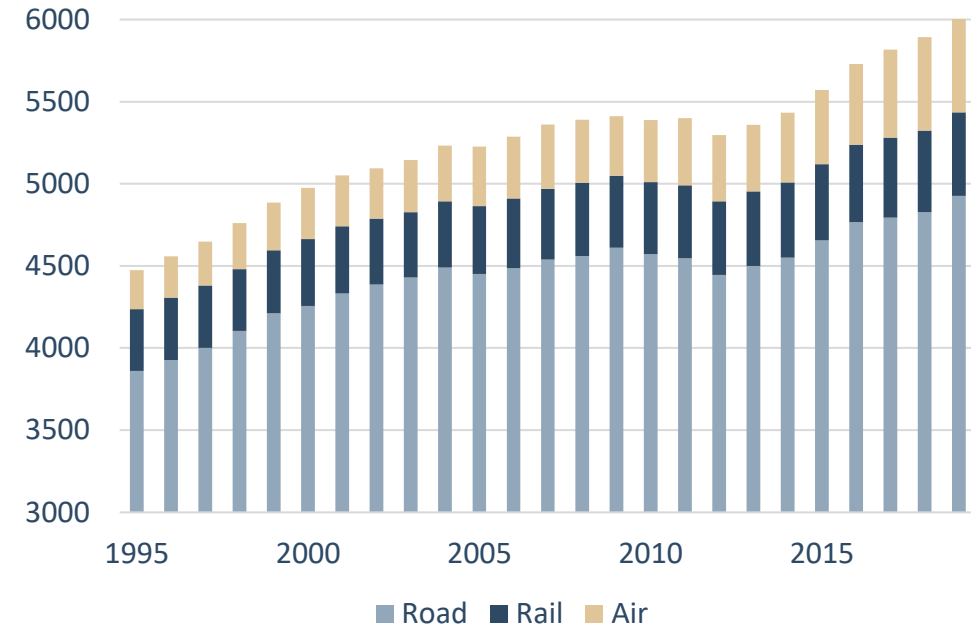


# High level of dynamics in air transport, but cars are the backbone

Land based transport in the EU27 – 1995 =100



Land based transport in the EU27 – in billion pkm

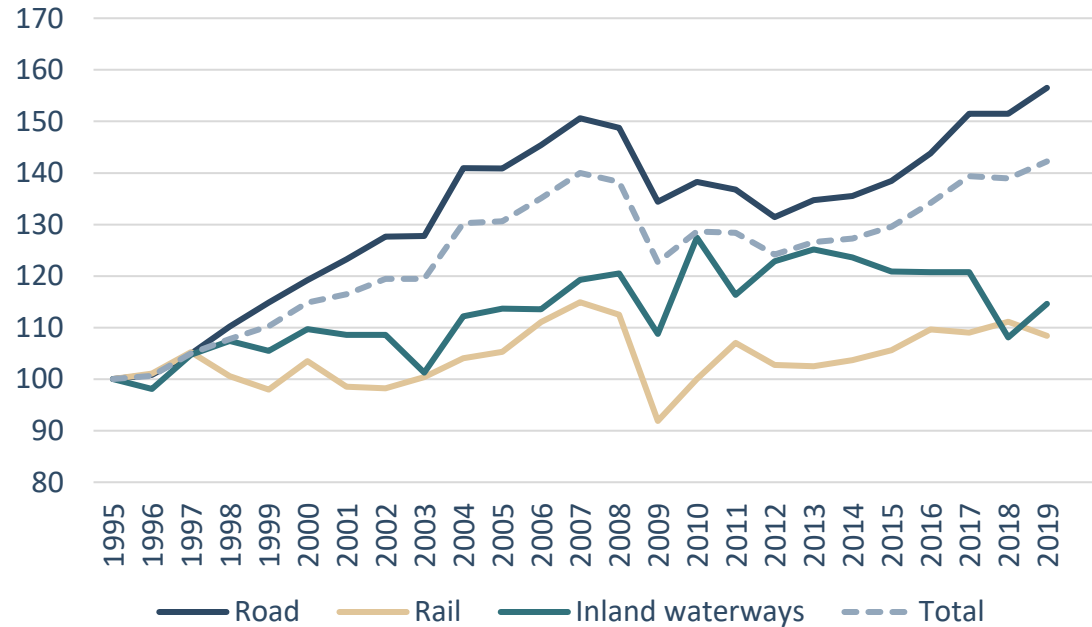


- ▶ Strong growth in air transport since the fall of the government monopoly. In 2019 it reached a record market share of 9,6 percent.
- ▶ Considerable growth in rail transport since the EU started promoting national rail transport markets. Her market share was with 4,4 percent at the level of 1995 in 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.

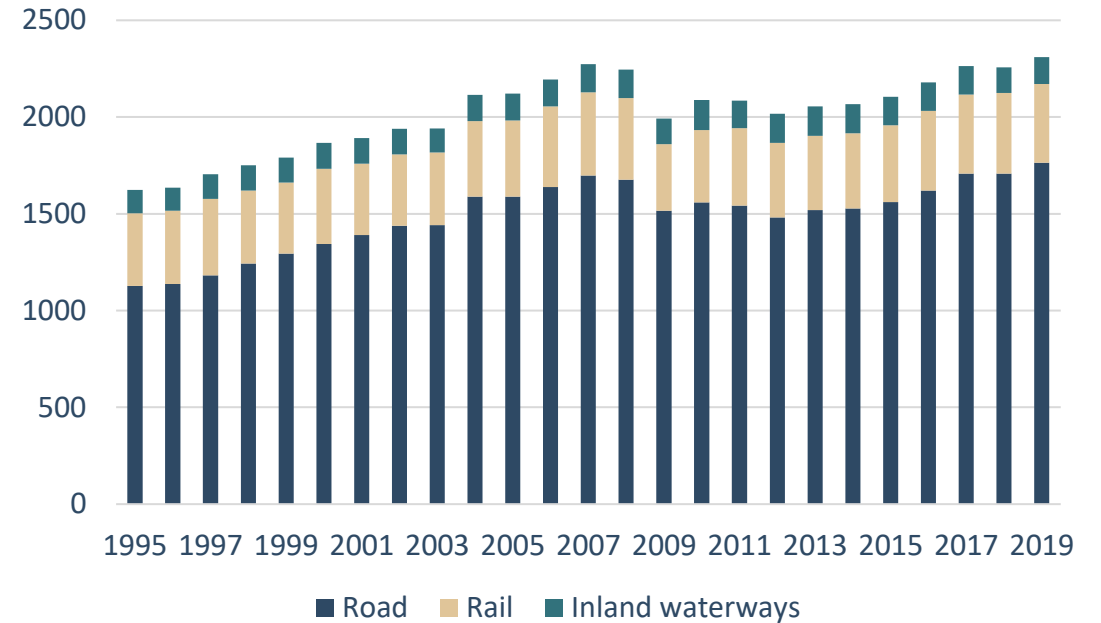
Source: Eurostat, Transport in Figures 2020

# Trucks are facilitating the Single European Market

Land based transport in the EU-27 – 1995 =100



Land based transport in the EU-27 – 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

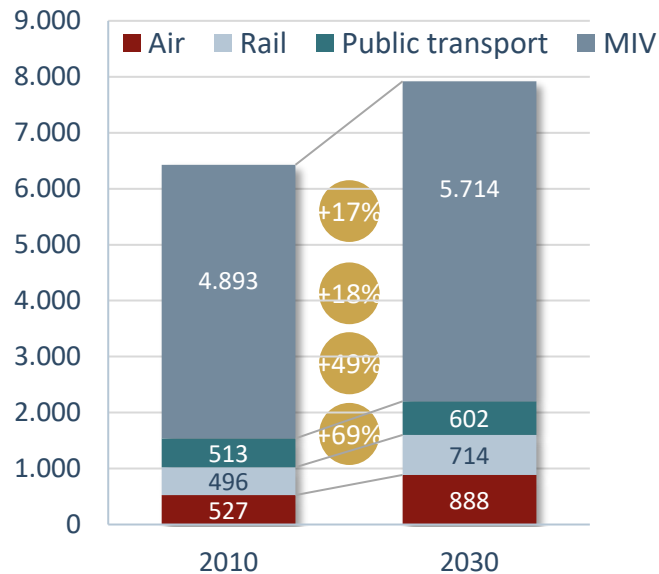
# Official forecasts for freight transport in the EU until 2030

Trucks will continue to dominate the considerably growing transport market

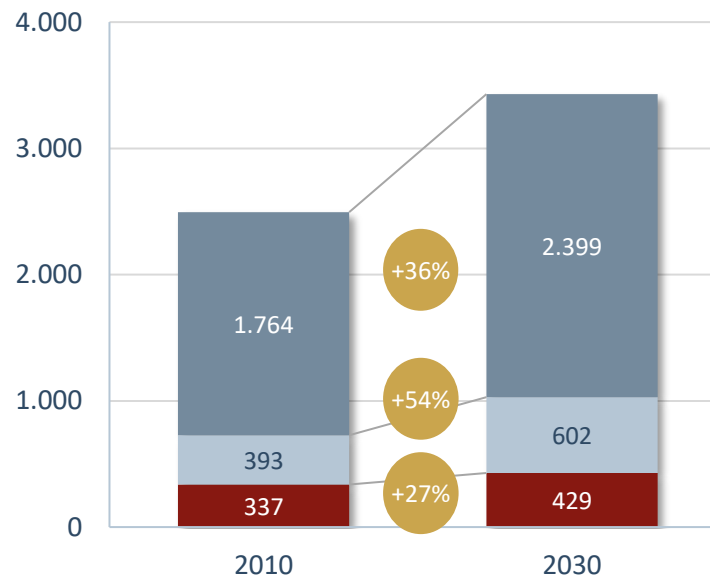
Transport service in billions of passenger kilometres/tonnes kilometres



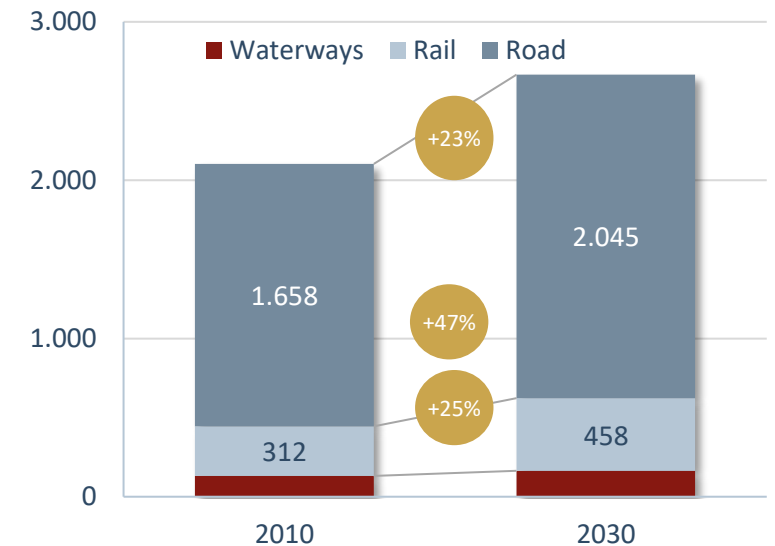
Official passenger transport forecasts in billions of passenger kilometres



Official freight transport forecasts in billions of tonnes kilometres



Prognos traffic forecasts

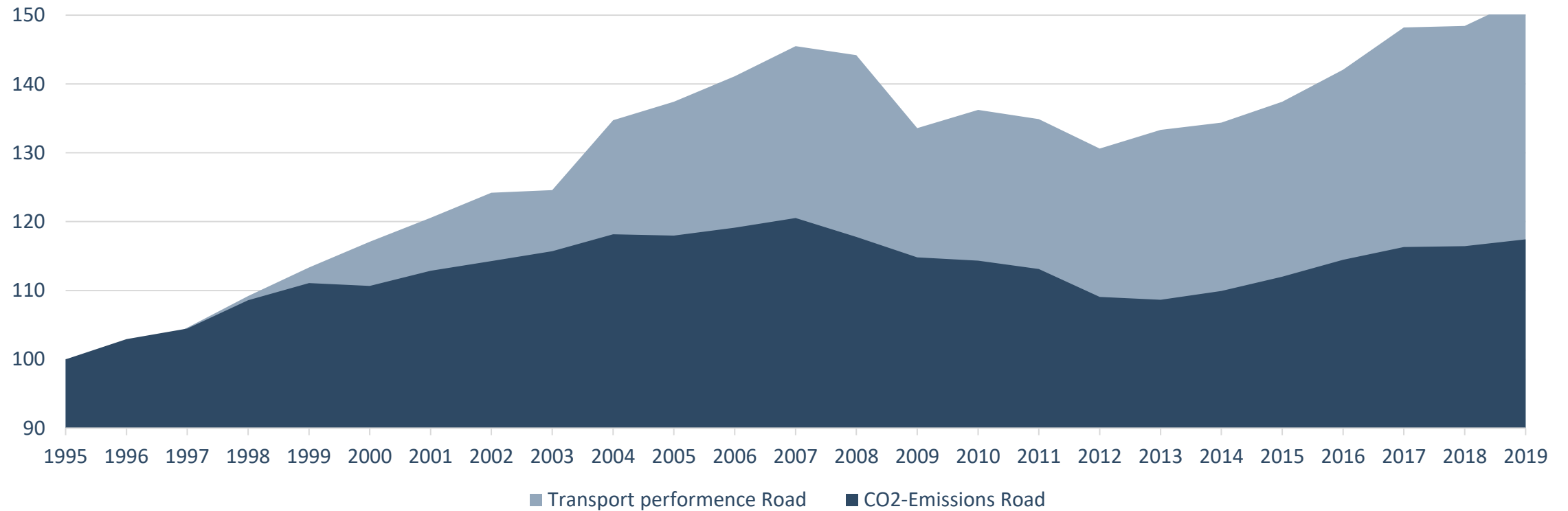


- ▶ There is some evidence that the Primes Prognosis for EU-27 from 2013 is outdated. It predicts an increase in transport service between 2010 and 2015 and clearly overestimates the real development.
- ▶ The Prognos Report covers 12 EU countries with about 92 percent of total road transport. The coverage 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 road transport performance and CO<sub>2</sub> emissions from road transport in the EU 27 since 1995

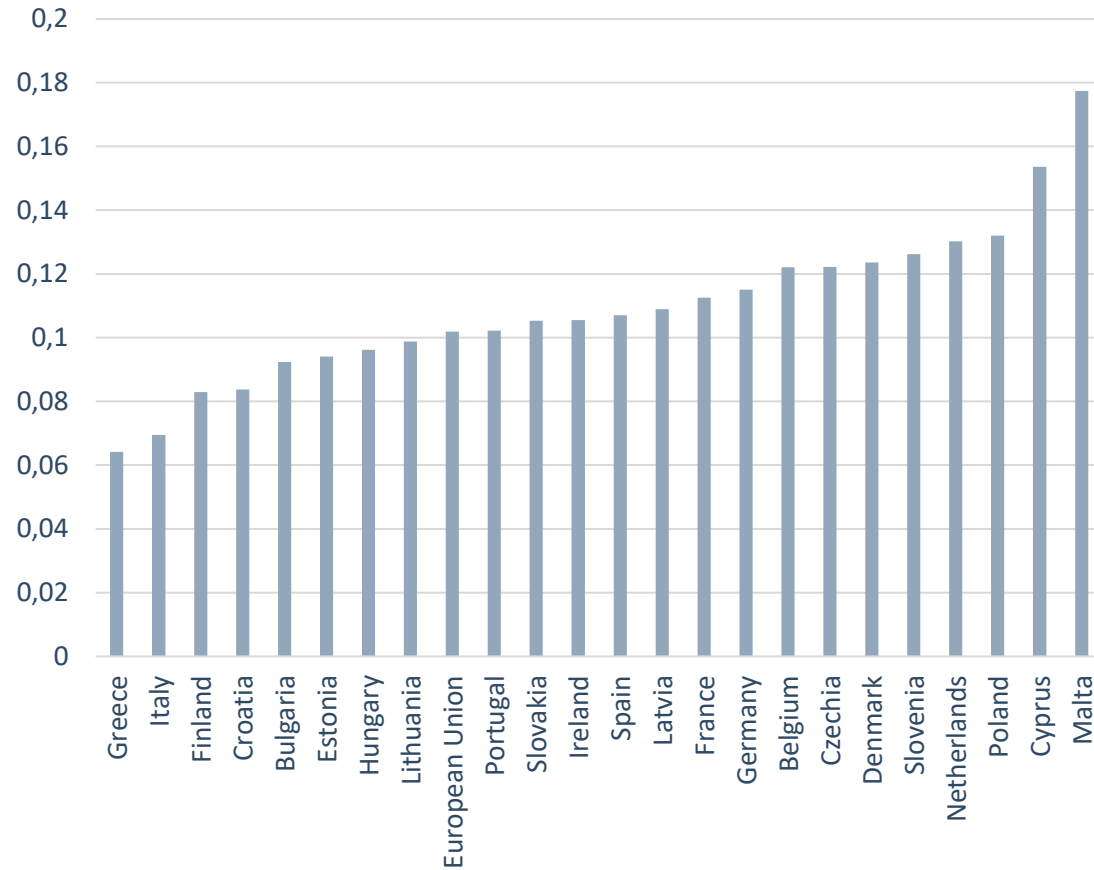


Calculation of traffic performance is analogous to the approach of the Arbeitsgemeinschaft Energiebilanzen with the Factor 1tkm = 10 pkm

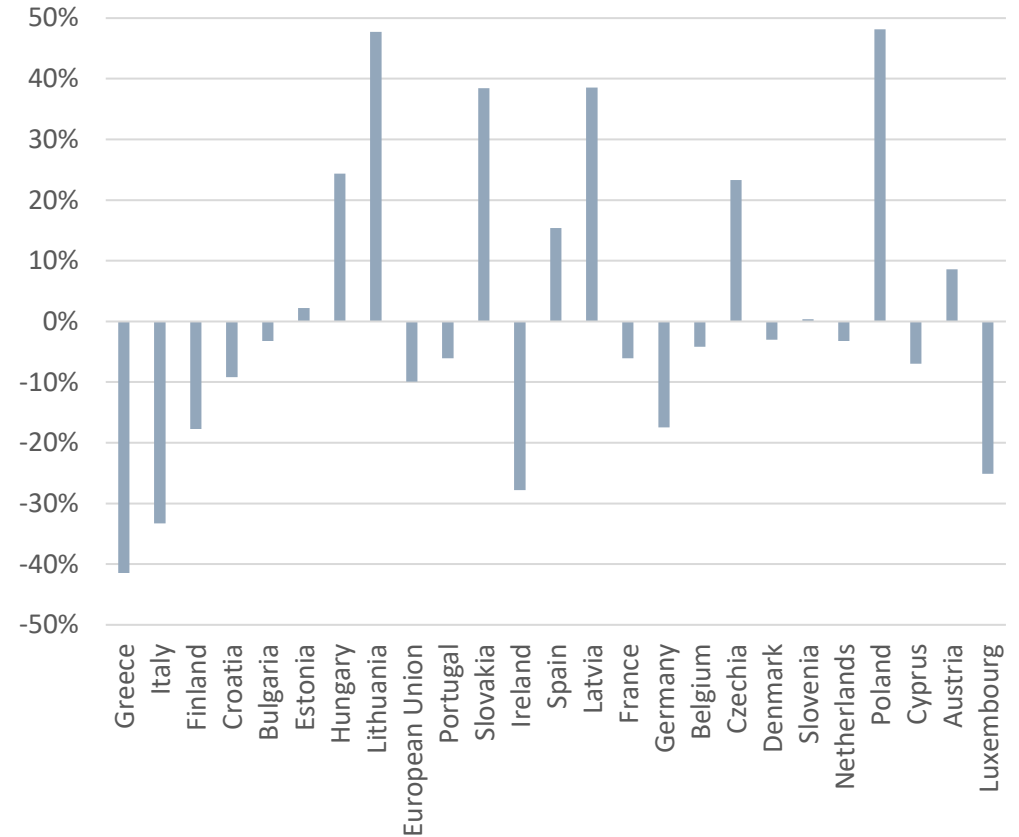
Source: Odyssee Database, 2021; EEA, 2021 (v24); own calculations

# CO<sub>2</sub> efficiency in passenger car traffic in the EU

CO<sub>2</sub> efficiency by states\* in the year 2019  
Measured in kg CO<sub>2</sub>/pkm



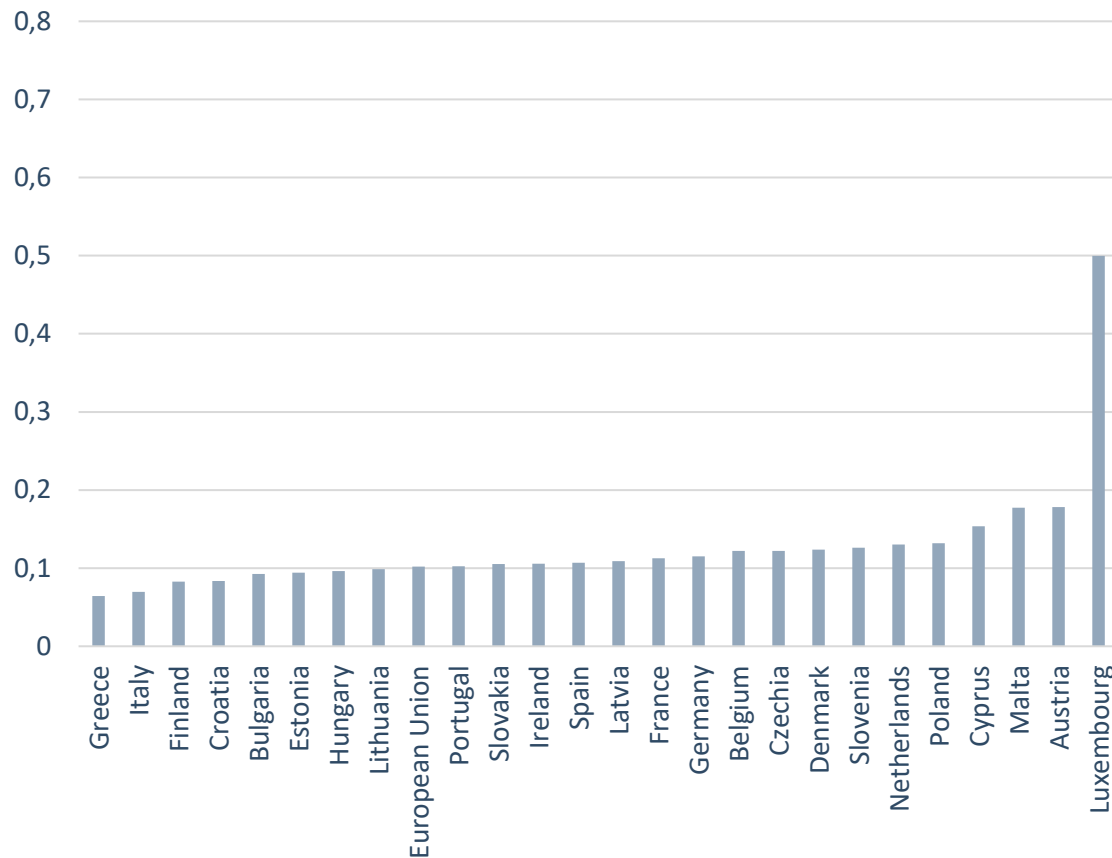
Change in CO<sub>2</sub> emissions per passenger kilometer  
Information for the period 2000 to 2019



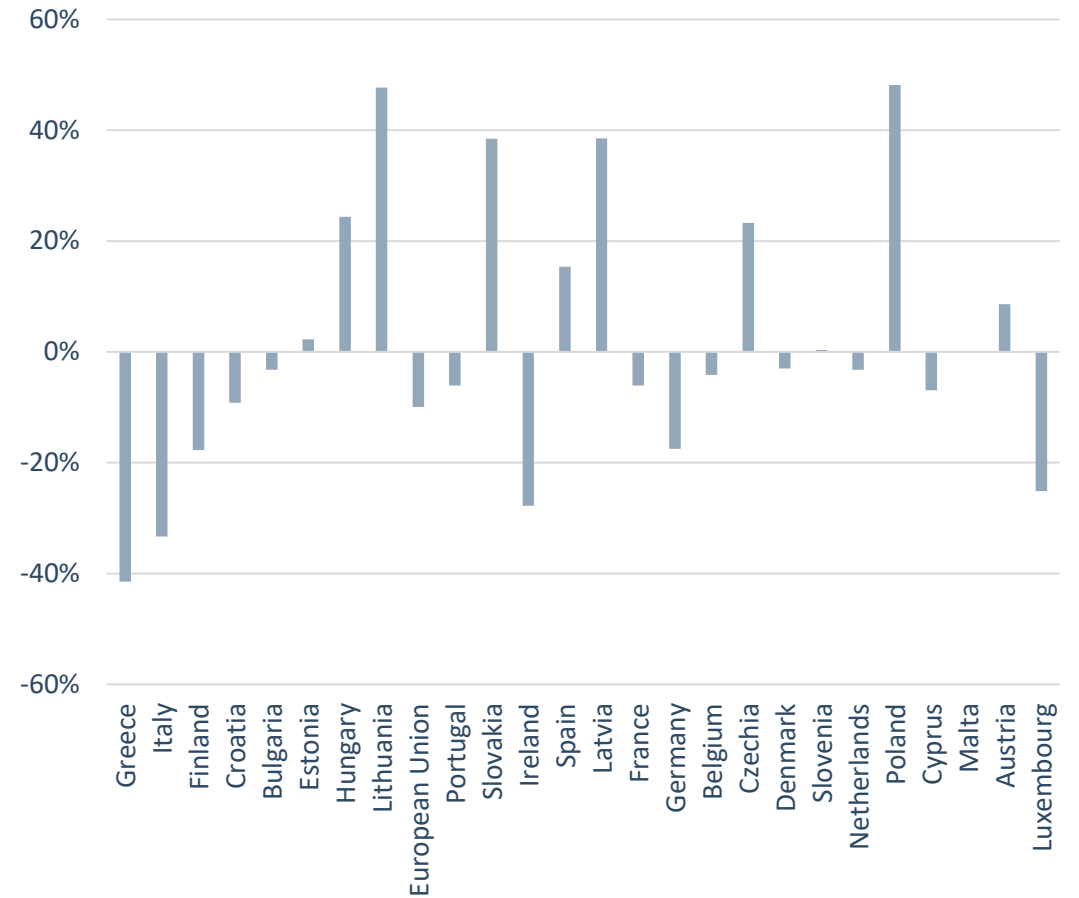
\*Belgium and Slovakia as of 2017; no information available for Romania, Sweden  
Source: Odyssee Database, 2021

# CO<sub>2</sub> efficiency in road freight transport of the EU

CO<sub>2</sub> efficiency by states\* in the year 2019  
Measured in kg CO<sub>2</sub>/tkm



Change in CO<sub>2</sub> emissions in ton kilometres  
Data for the period from 2000 to 2019



\*Belgium as of 2017; No data available for Malta, Romania, Sweden  
Source: Odyssee Database, 2020