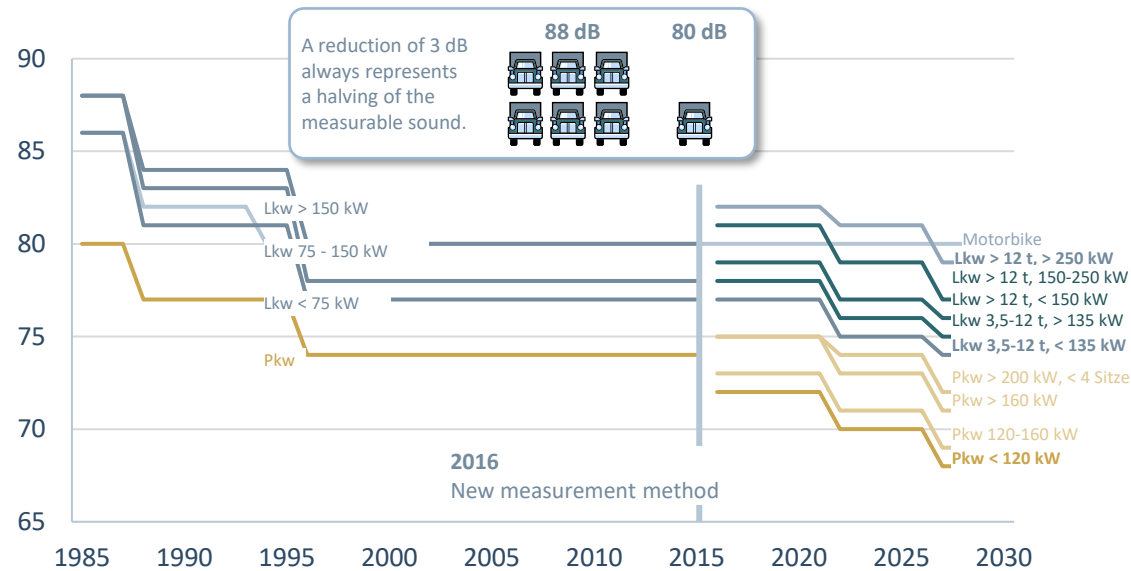


Compendium 5.2 Pollutants section

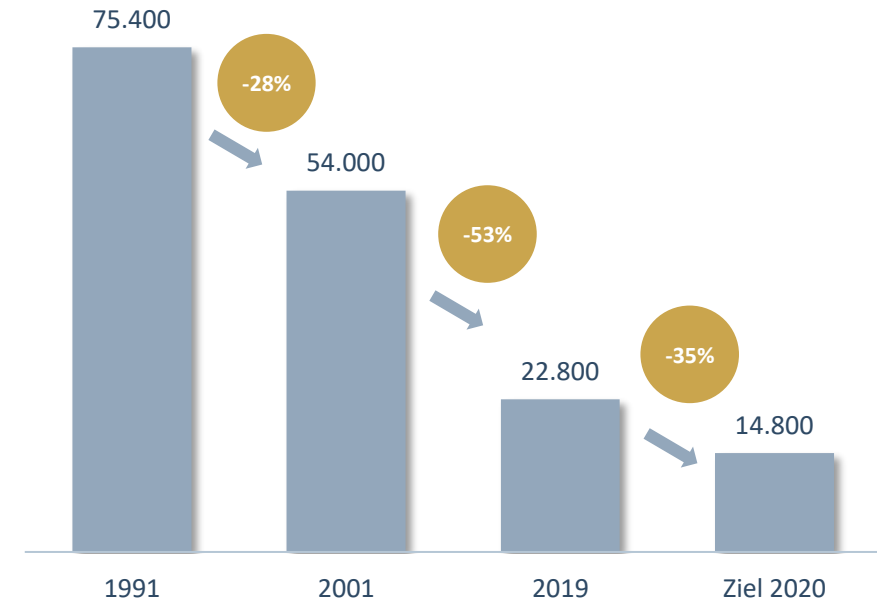


Progress on noise and safety targets

Noise targets: Noise emissions are to be reduced by up to 75 percent.
EU vehicle noise limits in dB (A)



Road safety: target hardly achievable
Persons killed in road traffic in the EU 28 countries

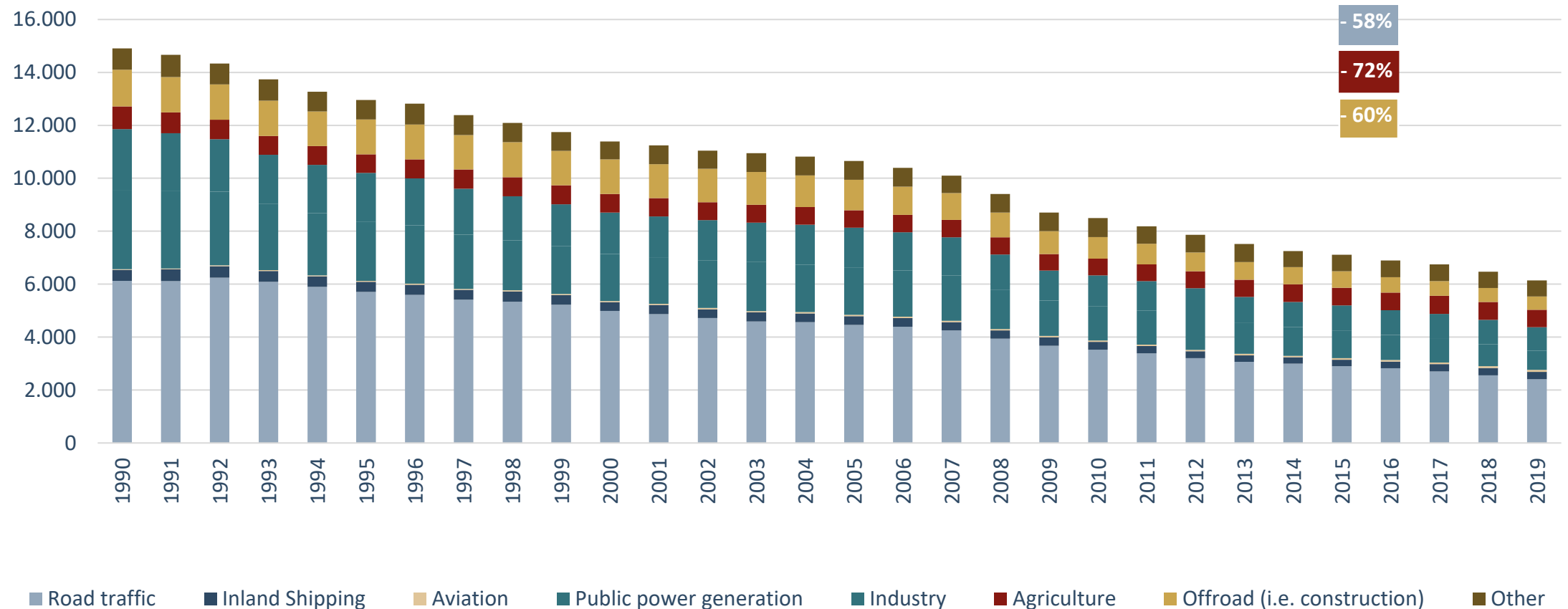


- ▶ Since 1990, there has been significant progress and ambitious targets set by the EU in terms of noise emissions and safety.
- ▶ Additional sound insulation and safety features add weight and changes to the bodywork.
- ▶ The additional targets cause a measurable increase in consumption of the new vehicles.

Sources: EU, Eurostat

Nitrogen oxide emissions down 60 percent

Data of the EU 28* in gigagrams, No_x emissions converted to NO₂

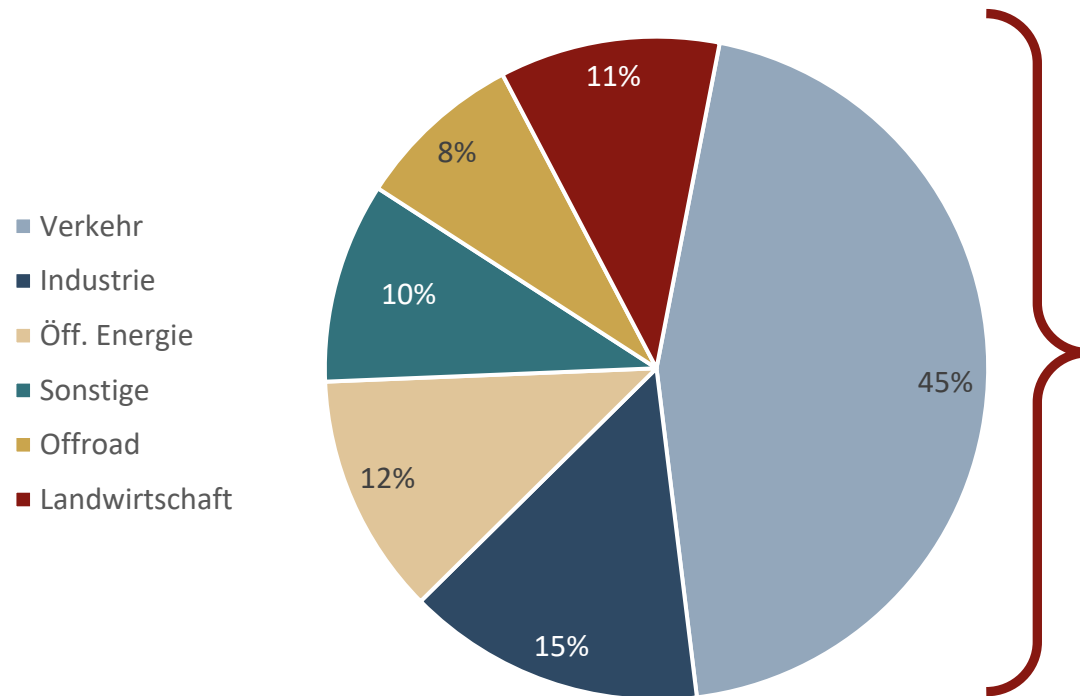


Source: emep, 2022

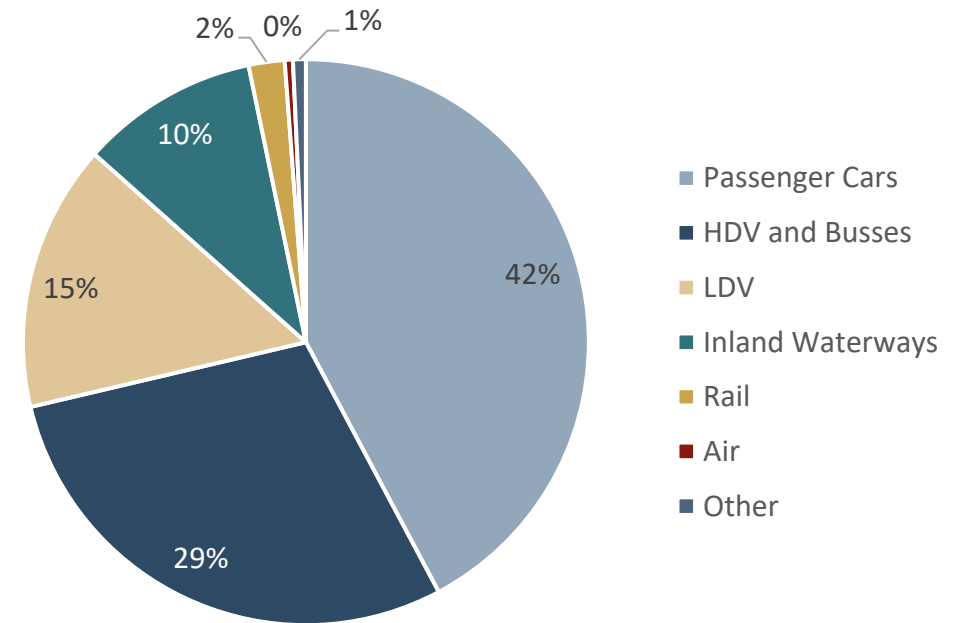
Nitrogen oxide emissions in the EU 27

Data for 2019, in percent of No_x emissions converted to NO_2

Emissions by sector¹⁾



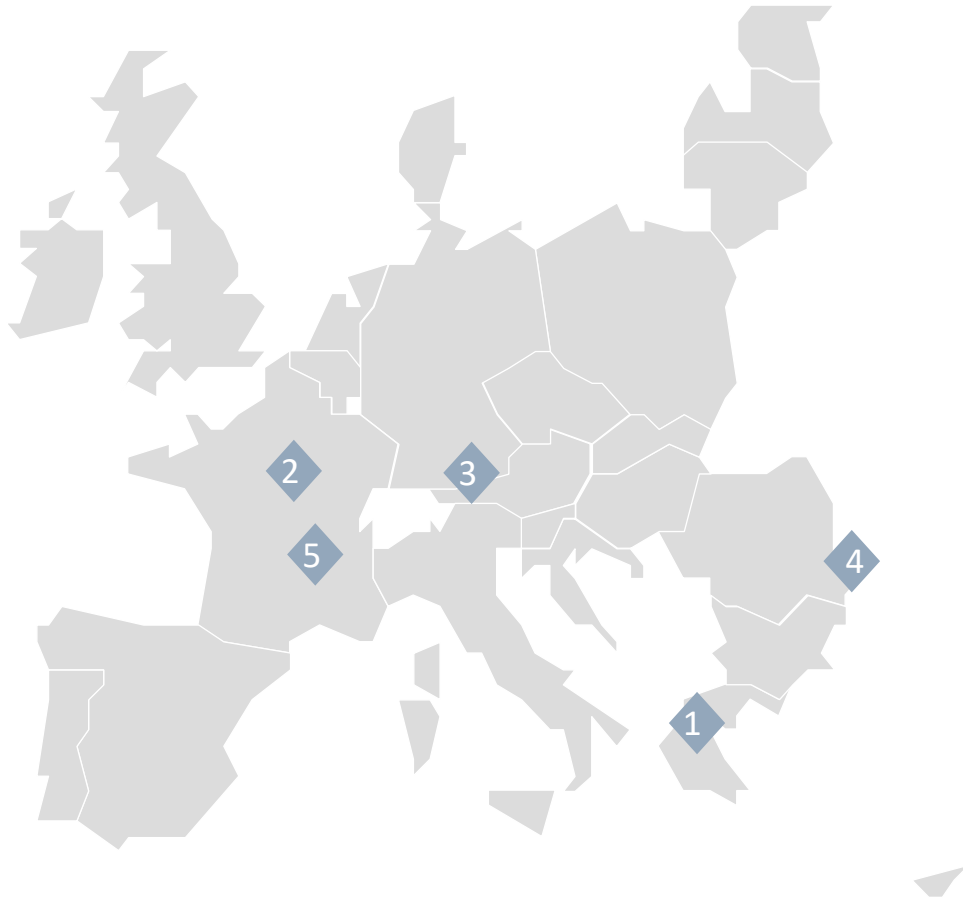
Transport sector by mode of transport



Source: emep, 2022

NO₂: A European Problem

The 5 EU cities with the highest NO₂-immissions in 2020



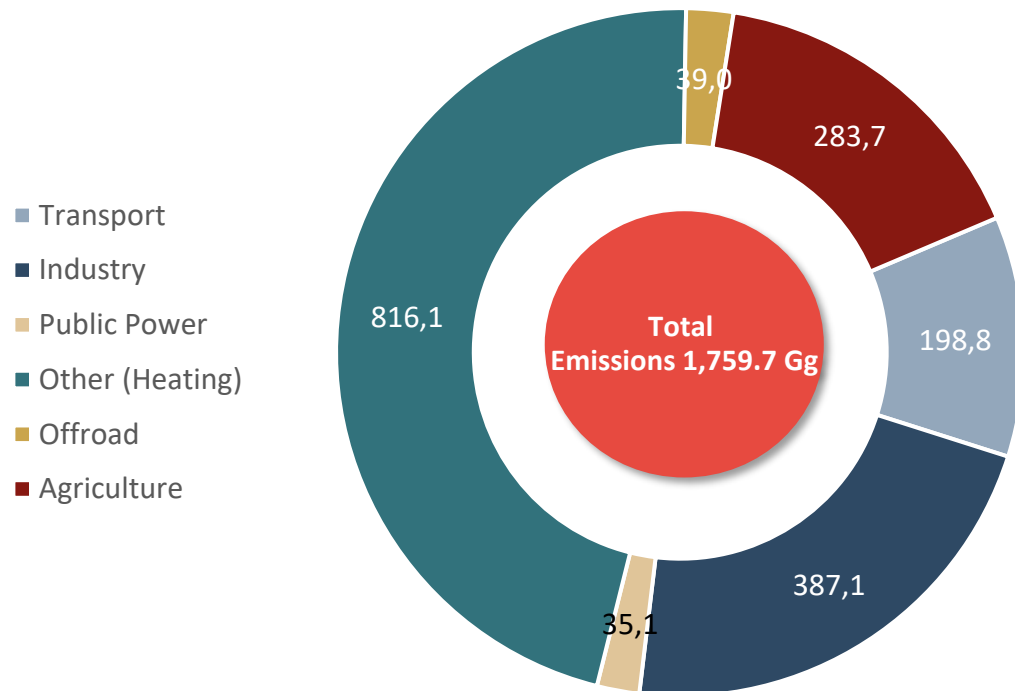
	Town	2020 in µg/m3	2019 in µg/m3	2013 in µg/m3
1	Athen	67,7	73,5	52,2
2	Paris	59,4	73,4	85,8
3	München	54,4	62,74	81,4
4	Constanta	53,8		
5	Lyon	48,5	62,0	53,2

Quelle: EEA – Air Quality Statistics, 2021

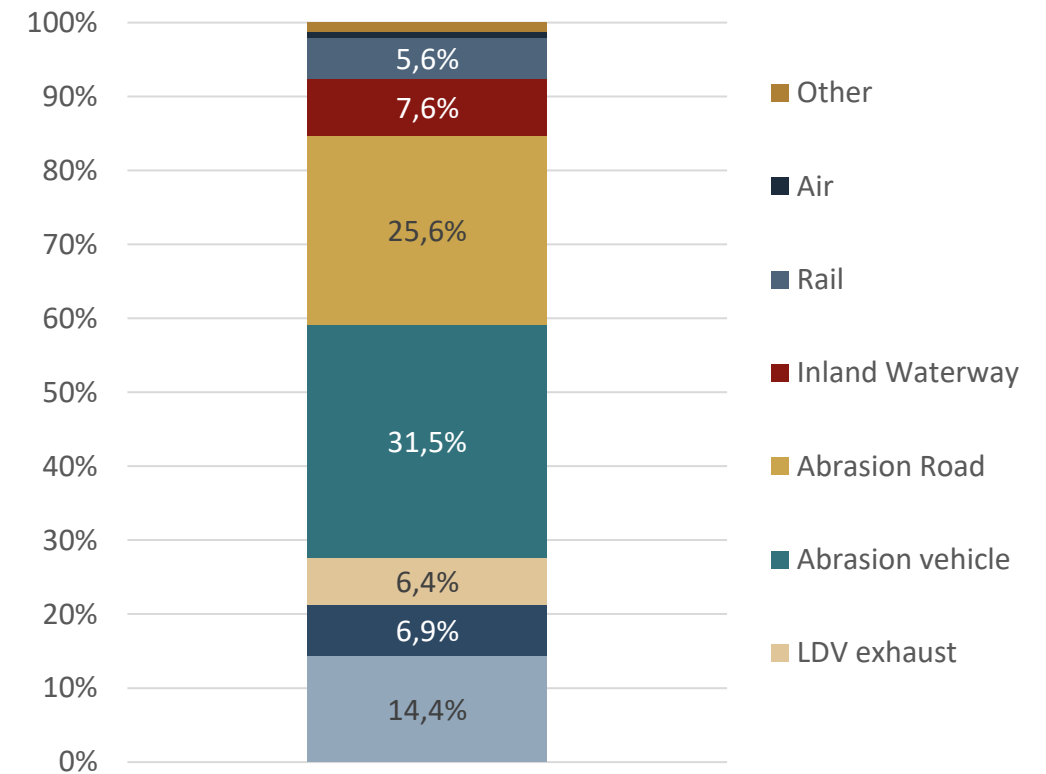
Particulate matter emissions in the EU 27

Data for 2019, in gigagrams particulate matter (PM10)

Emissions by sector



Transport sector by mode of transport



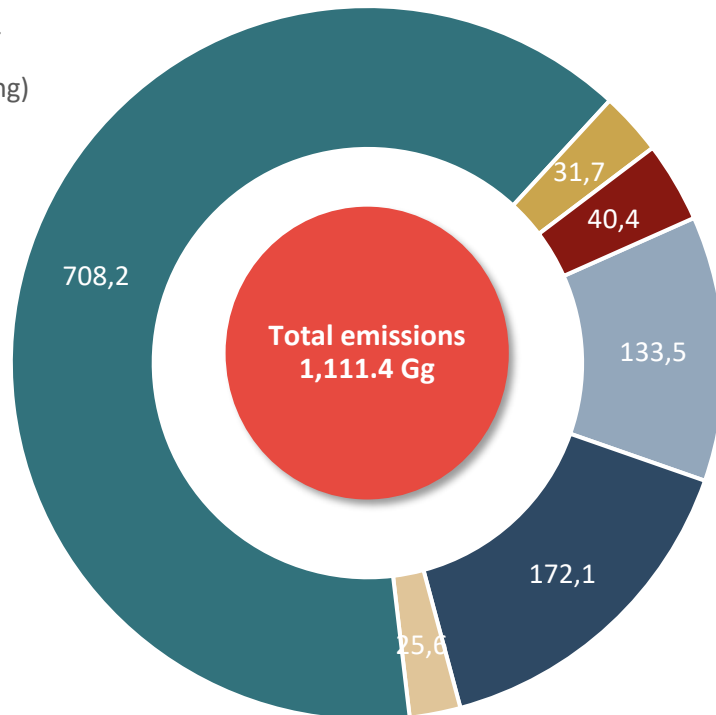
Quelle: emep, 2022

Feinststaubemissionen in der EU 27

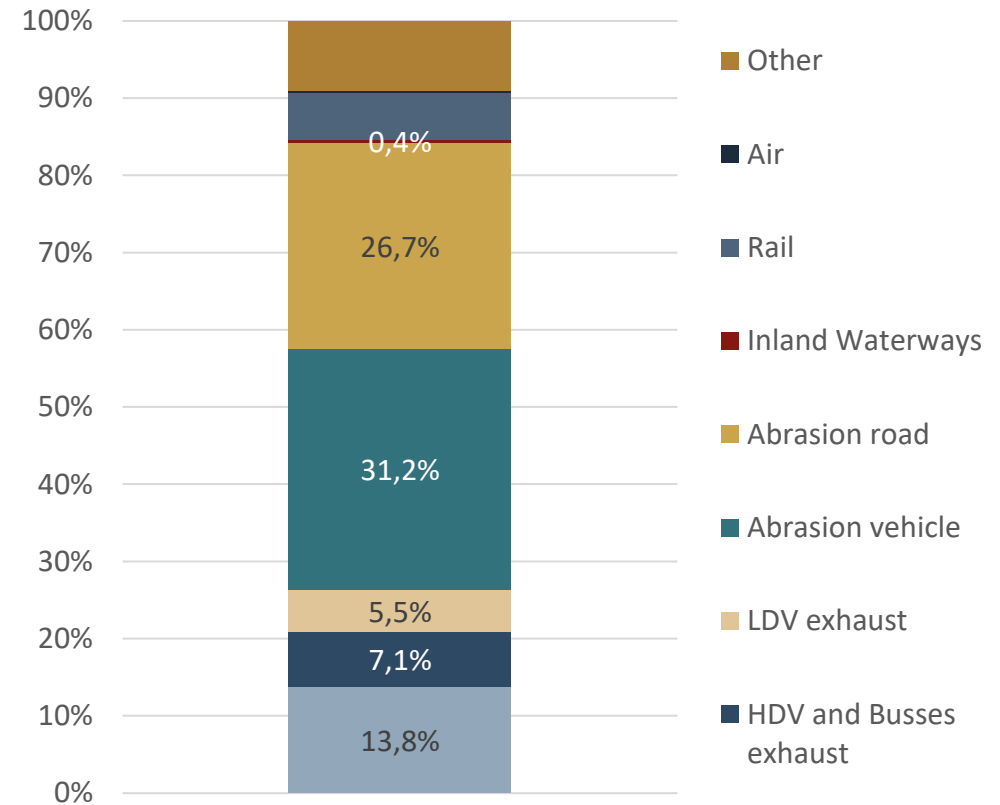
Data for 2019, in gigagrams particulate matter (PM 2,5)

Emissions by sector

- Transport
- Industry
- Public power
- Other (heating)
- Offroad
- Agriculture



Transport sector by mode of transport

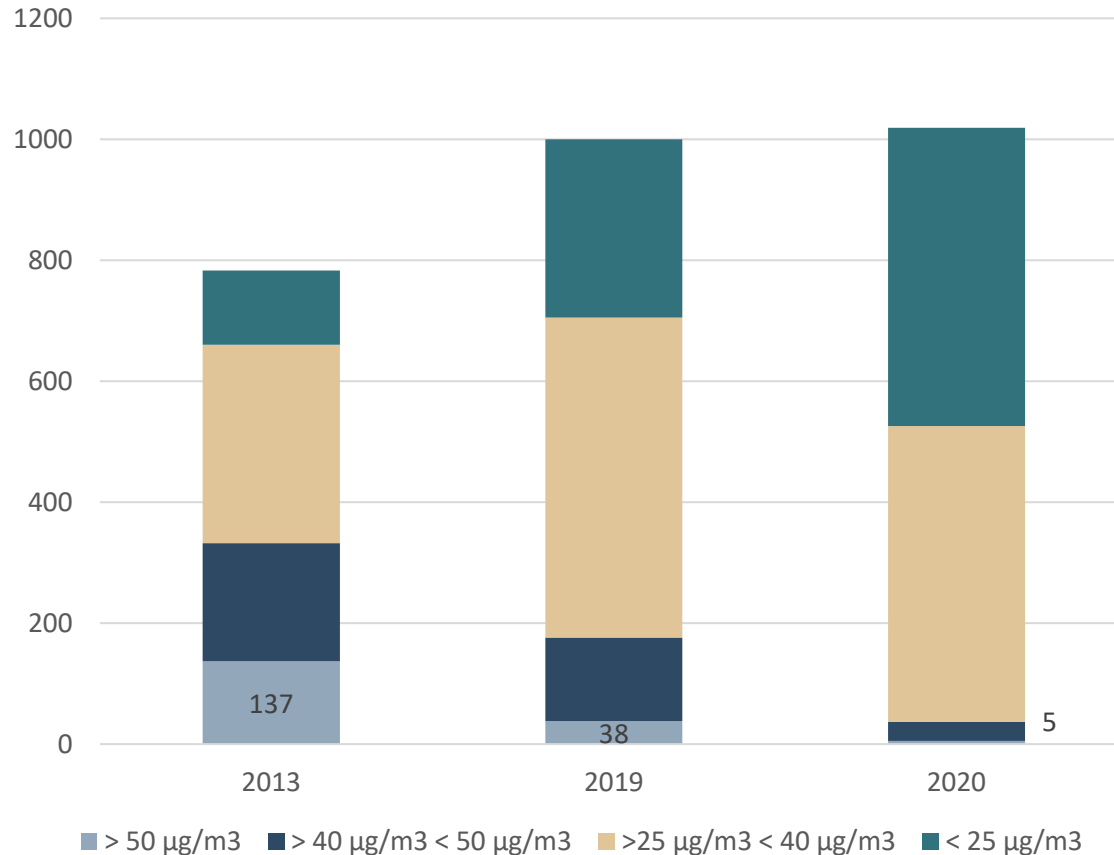


Quelle: emep, 2021

Air quality in Europe – large regional differences

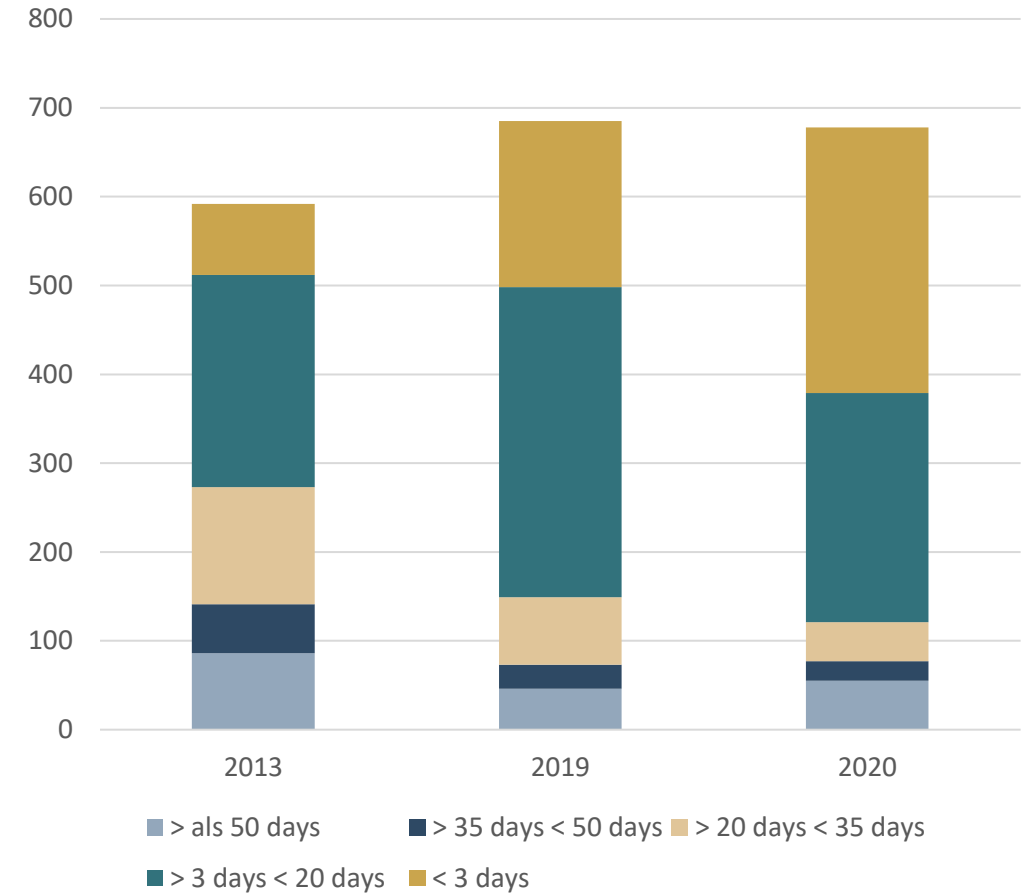
NO2: Hardly any exceedances in the pandemic year

Measuring stations in the EU 27 by measured annual mean value



PM10: Over two thirds of exceedances in Italy

Measuring stations in days exceeding 50 Microgamms per m3



Quelle: EEA, 2022, Data for 2020