

# Explanation of Key Trends - Fine Particulate Matter (PM<sub>10</sub>)

## Main drivers

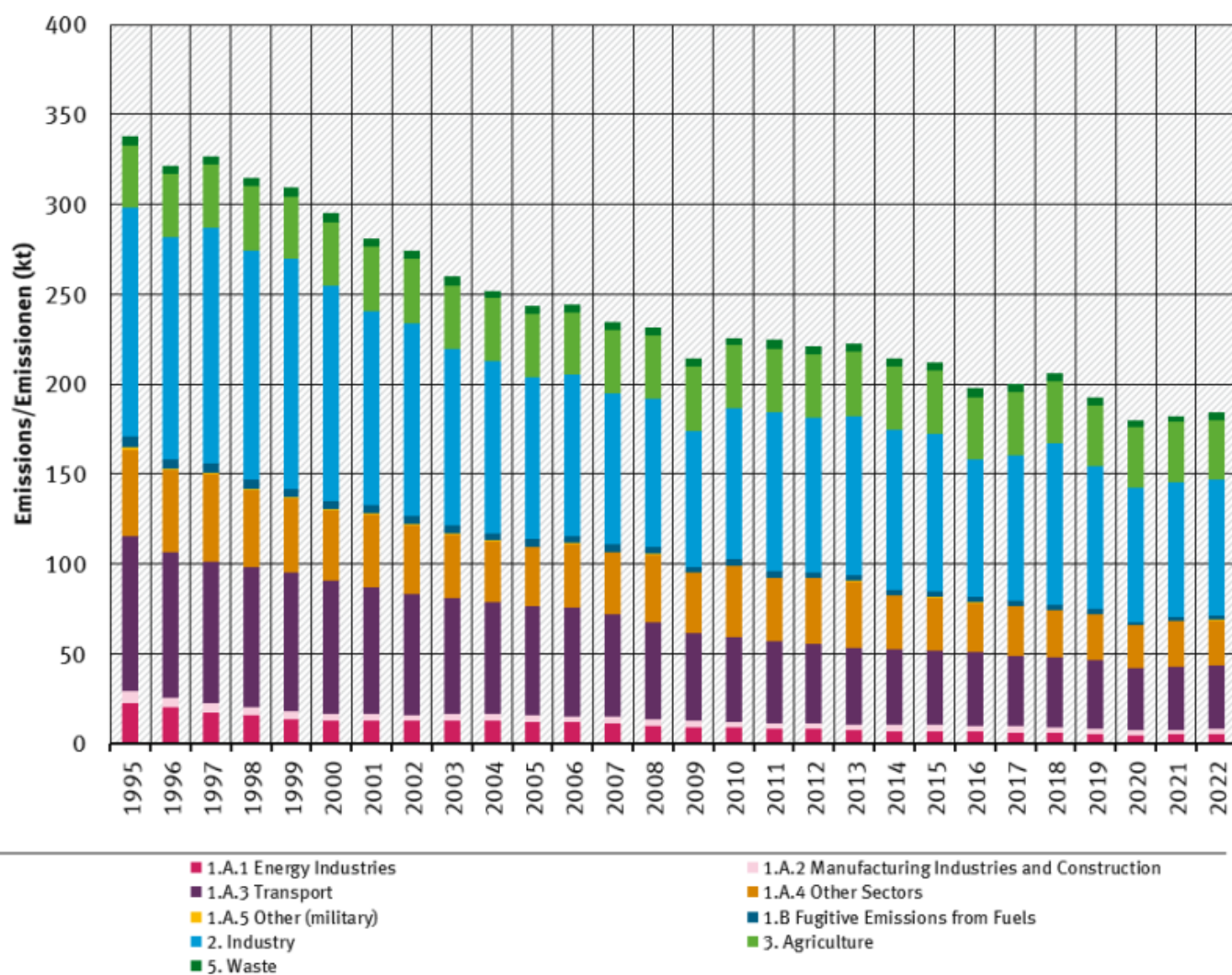
Between 1995 and 2021, **total PM<sub>10</sub> emissions dropped by 47%**.

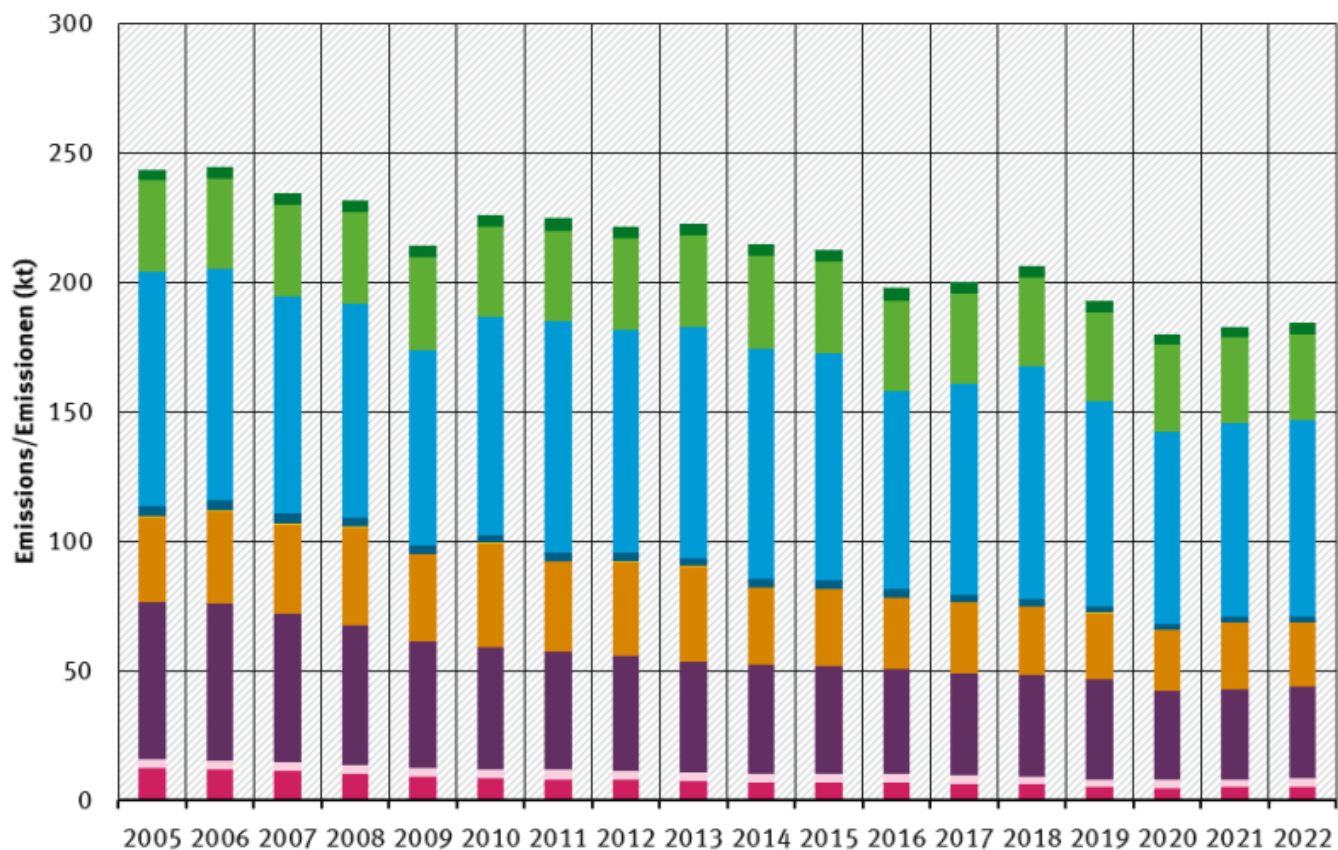
The Main Drivers for PM<sub>sub>10</sub> emissions are **Fuel Combustion (NFR 1.A)** with 48% of total 1995 emissions and a 59% reduction between 1995 and 2021 and as a sum the **Industrial Processes (NFR 2)** (and especially **Handling of Bulk Products NFR 2.L** therein) with 40% of total 1995 emissions and a 44% reduction.</sub>

Within NFR 1.A, **Transport (NFR 1.A.3)** produces the biggest part of PM<sub>10</sub> emissions. Here, about three quarters of the 2021 Transport PM<sub>10</sub> emissions are produced by **Road Transport (NFR 1.A.3.b)**, half of which is directly caused by **fuel combustion (NFR 1.A.3.b.i - iv)** and the other half by **road abrasion and tyre and brake wear (NFR 1.A.3.b.vi - vii)**.

Table: PM<sub>10</sub> Emissions 1990-2021, in kilotonnes [kt]

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Trend: latest compared to |            |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------|------------|
| 1995 | 2000 | 2005 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 1995                      | last years |
| 347  | 303  | 249  | 228  | 228  | 224  | 226  | 218  | 216  | 201  | 203  | 209  | 195  | 182  | 184  | ▼ -47.4%                  | ▼          |





■ 1.A.1 Energy Industries  
 ■ 1.A.3 Transport  
 ■ 1.A.5 Other (military)  
 ■ 2. Industry  
 ■ 5. Waste

■ 1.A.2 Manufacturing Industries and Construction  
 ■ 1.A.4 Other Sectors  
 ■ 1.B Fugitive Emissions from Fuels  
 ■ 3. Agriculture