

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

## Main drivers

Between 1995 and 2022, **total PM<sub>10</sub> emissions dropped by 45%**.

The Main Drivers for PM<sub>10</sub> emissions are **Fuel Combustion (NFR 1.A)** with 49% of total 1995 emissions and a 58% reduction between 1995 and 2022 and as a sum the **Industrial Processes (NFR 2)** (and especially **Handling of Bulk Products NFR 2.L** therein) with 38% of total 1995 emissions and a 41% reduction.

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 2022 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 1990-2022, in kilotonnes [kt]

|      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | Trend: latest compared to |               |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------|---------------|
| 1995 | 2000 | 2005 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 1995                      | previous year |
| 334  | 291  | 240  | 223  | 222  | 219  | 220  | 212  | 210  | 195  | 198  | 205  | 191  | 179  | 180  | 182  | 182  | -45.7%                    | 0.2%          |

