

Explanation of Key Trends - Carbon Monoxide

Main drivers

CO total emissions show a falling trend over the whole interval, with emission **reductions of 80.9 %** between 1990 and 2022 and a renewed interval of emission reductions in the last years.

The Main Driver for CO emissions is **Fuel Combustion (NFR 1.A)** with 90% of total 1990 emissions and an 85% reduction between 1990 and 2022. In the Fuel Combustion category, **Road Transport (NFR 1.A.3.b)** is responsible for 57% of the 1990 emissions, with **Passenger Cars (NFR 1.A.3.b.i)** emitting nearly all of it. Reductions of about 90% in those categories between 1990 and 2022 are mainly due to constantly improving fuels and increasingly stricter regulations resulting in technical improvements.

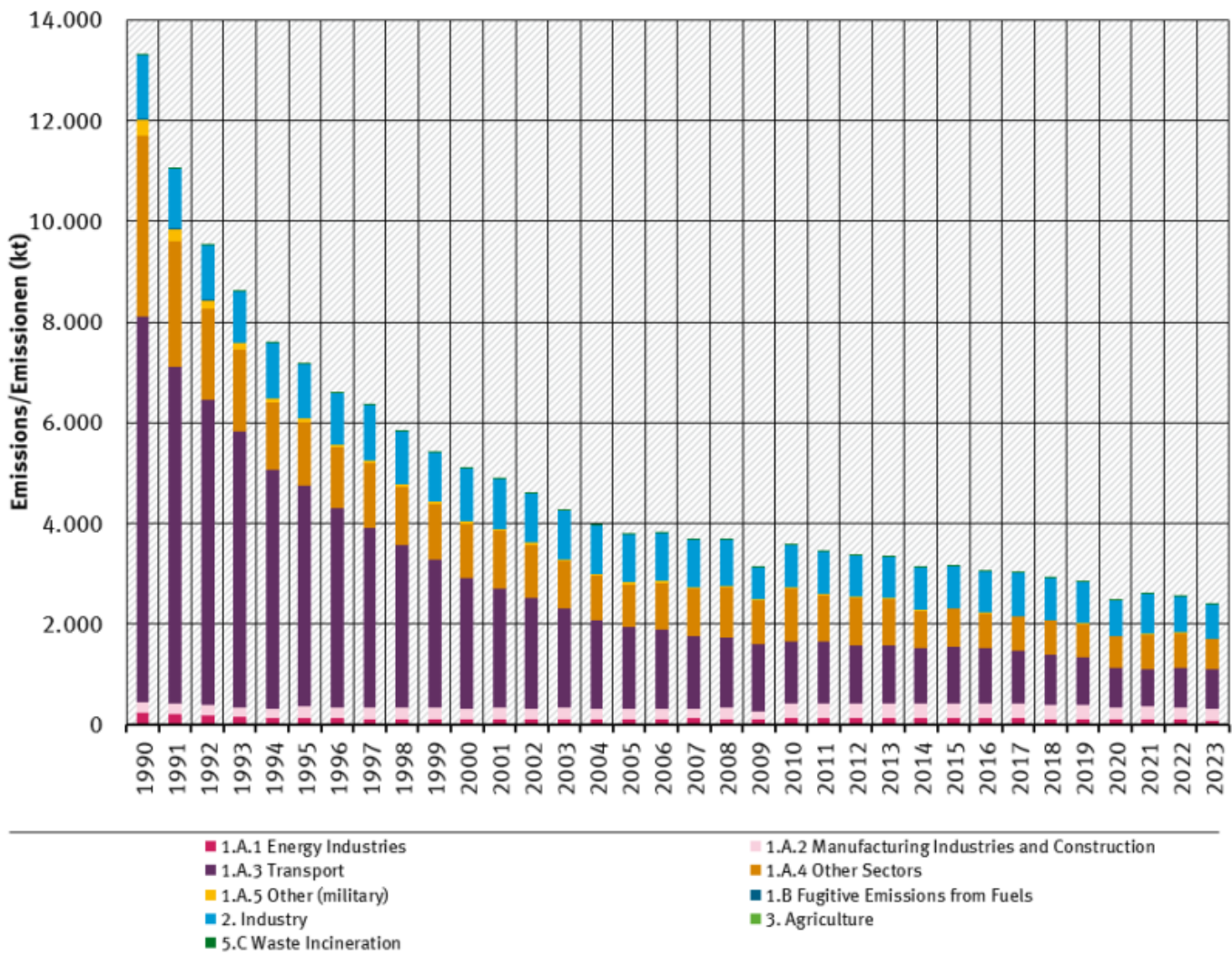
Other Sectors (NFR 1.A.4, including commercial/institutional and residential sources) are responsible for about 27% of 1990 Fuel Combustion emissions with a 81% reduction between 1990 and 2022.

Table: Carbon monoxide emissions 1990-2022, in kilotonnes [kt]

| | | | | | | | | | | | | | | | | | | | Trend: latest compared to | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--------|---------------------------|--|
| 1990 | 1995 | 2000 | 2005 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 1990 | previous year | |
| 13.320 | 7.188 | 5.097 | 3.790 | 3.588 | 3.459 | 3.360 | 3.344 | 3.129 | 3.171 | 3.042 | 3.021 | 2.917 | 2.828 | 2.469 | 2.596 | 2.539 | | -80.9% | -2,2% | |

Carbon Monoxide / Kohlenmonoxid

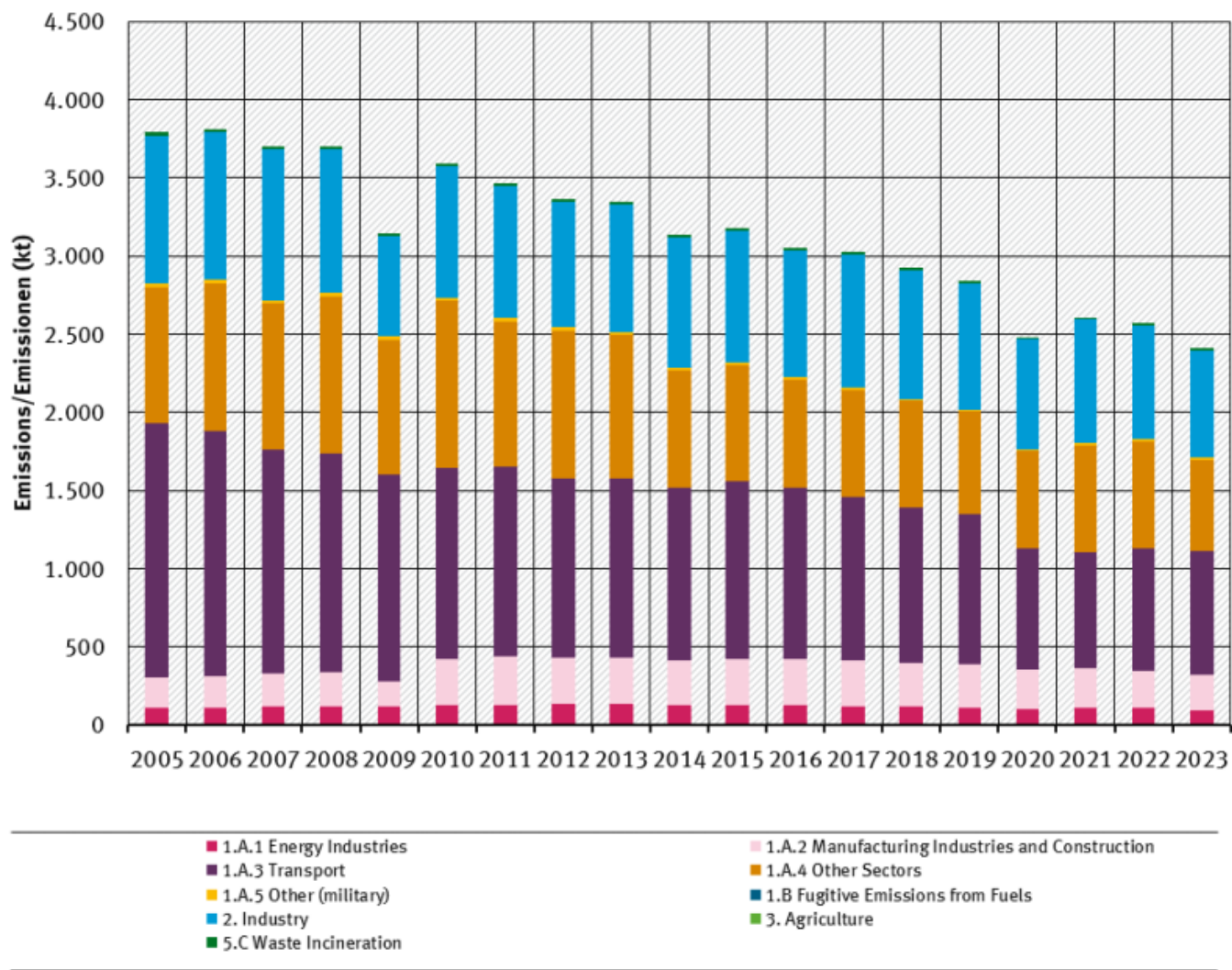
Emissions per Sector / Sektorale Emissionen



Quelle: German Emission Inventory (14.02.2025)

Carbon Monoxide / Kohlenmonoxid

Emissions per Sector / Sektorale Emissionen



Quelle: German Emission Inventory (14.02.2025)