

Explanation of Key Trends - Carbon Monoxide

Main drivers

CO total emissions show a falling trend over the whole interval, with emission **reductions of 81.9 %** between 1990 and 2023 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 86% reduction between 1990 and 2023. 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 2023 are mainly due to constantly improving fuels and increasingly stricter regulations resulting in technical improvements.

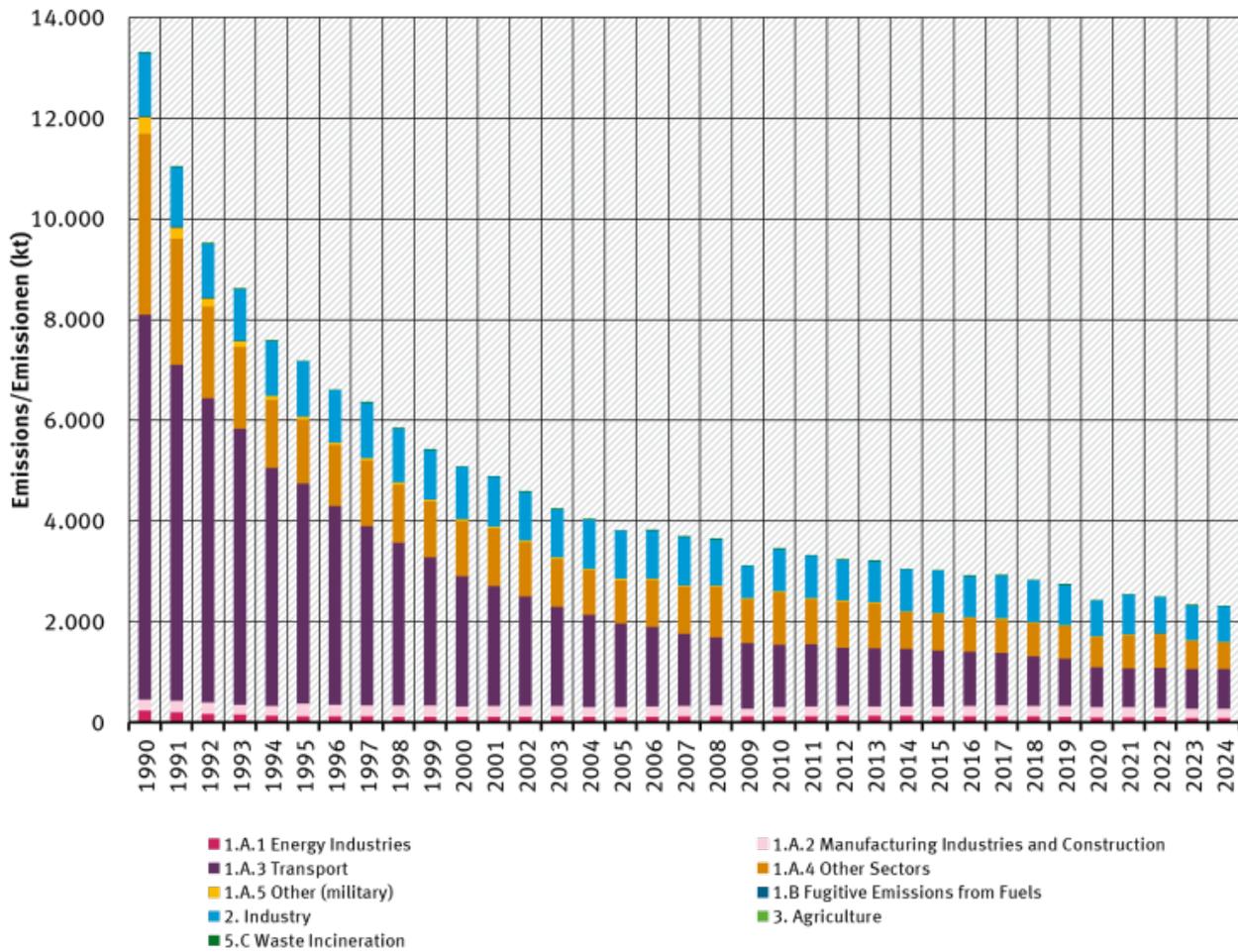
Other Sectors (NFR 1.A.4, including commercial/institutional and residential sources) are responsible for about 27% of 1990 Fuel Combustion emissions with a 84% reduction between 1990 and 2023.

Table: Carbon monoxide emissions 1990-2023, 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 | |
| 13 321 | 7 188 | 5 097 | 3 790 | 3 590 | 3 462 | 3 364 | 3 349 | 3 134 | 3 177 | 3 050 | 3 030 | 2 927 | 2 839 | 2 479 | 2 607 | 2 568 | 2 409 | -81.9% | -6.2% | |

Carbon Monoxide / Kohlenmonoxid

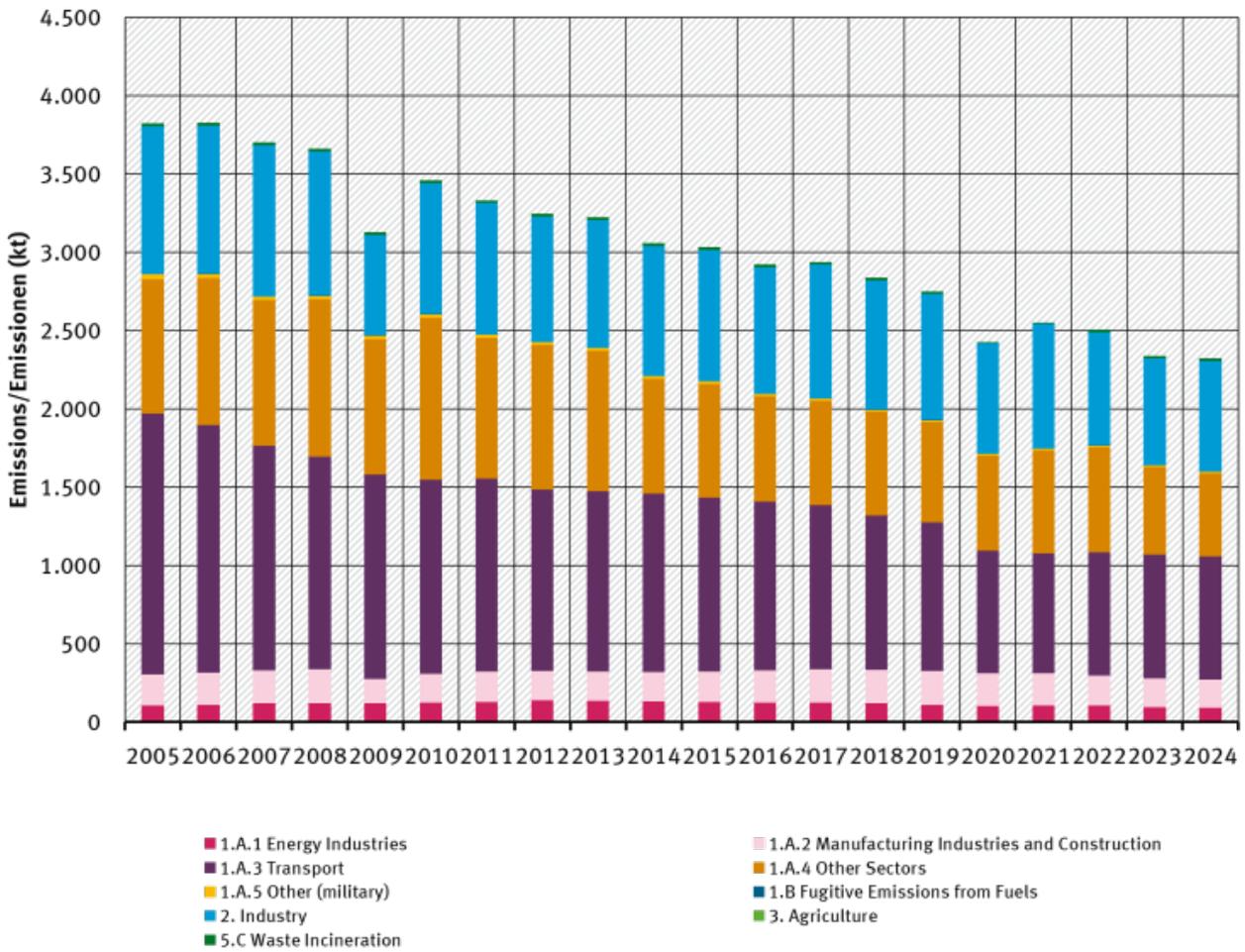
Emissions per Sector / Sektorale Emissionen



Quelle: German Emission Inventory (04.02.2026)

Carbon Monoxide / Kohlenmonoxid

Emissions per Sector / Sektorale Emissionen



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