

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.

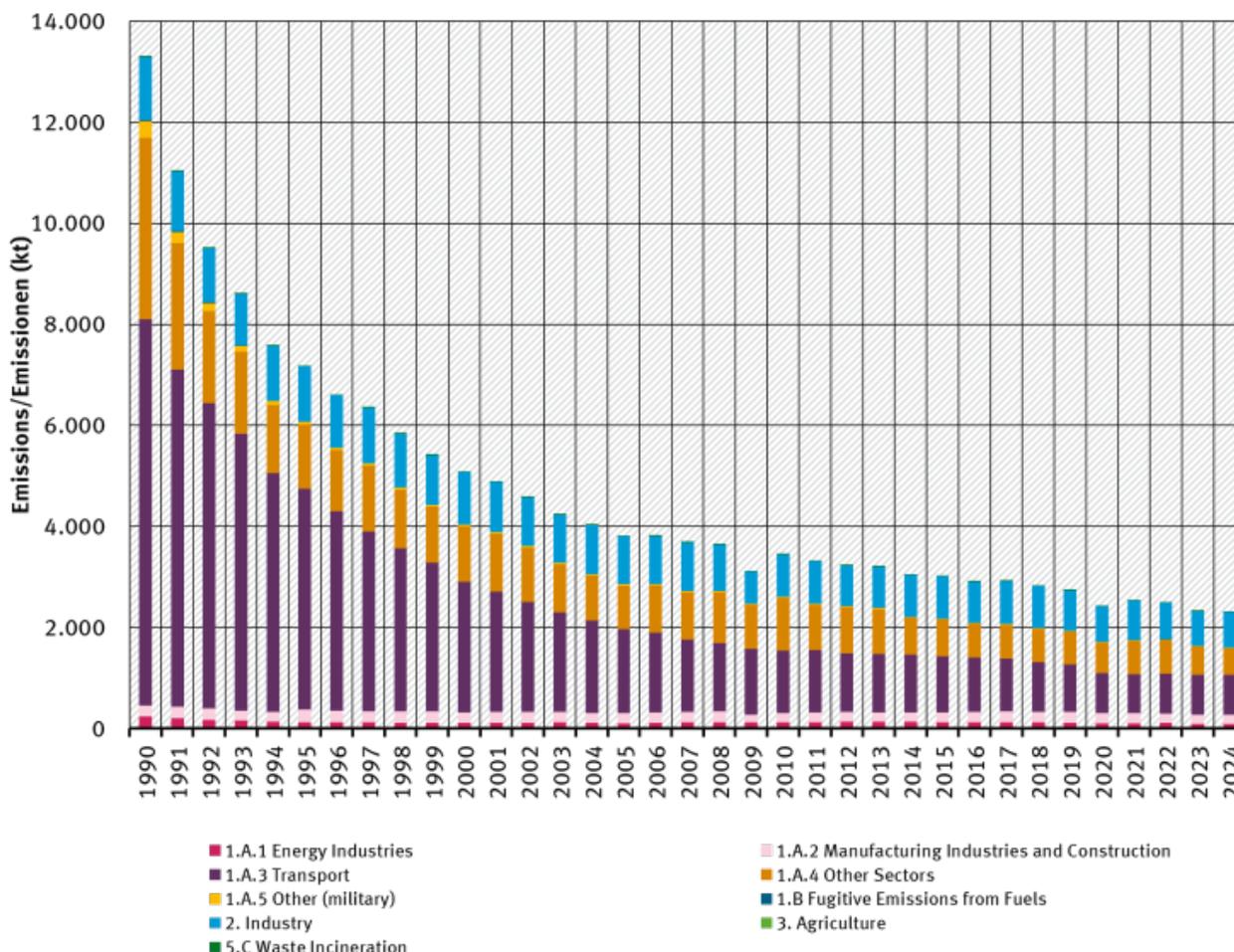
Other Sectors (NFR 1.A.4, including commercial/institutional and residential sources) are responsible for about 27% of 1990 Fuel Combustion emissions with a 84% reduction between 1990 and 2023.

Table: Carbon monoxide emissions 1990-2023, in kilotonnes [kt]

														Trend: latest compared to		
1990	1995	2000	2005	2010	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	1990	previous year
13 321	7 188	5 097	3 790	3 590	3 177	3 050	3 030	2 927	2 839	2 479	2 607	2 568	2 409	2 479	-81.9%	-6.2%

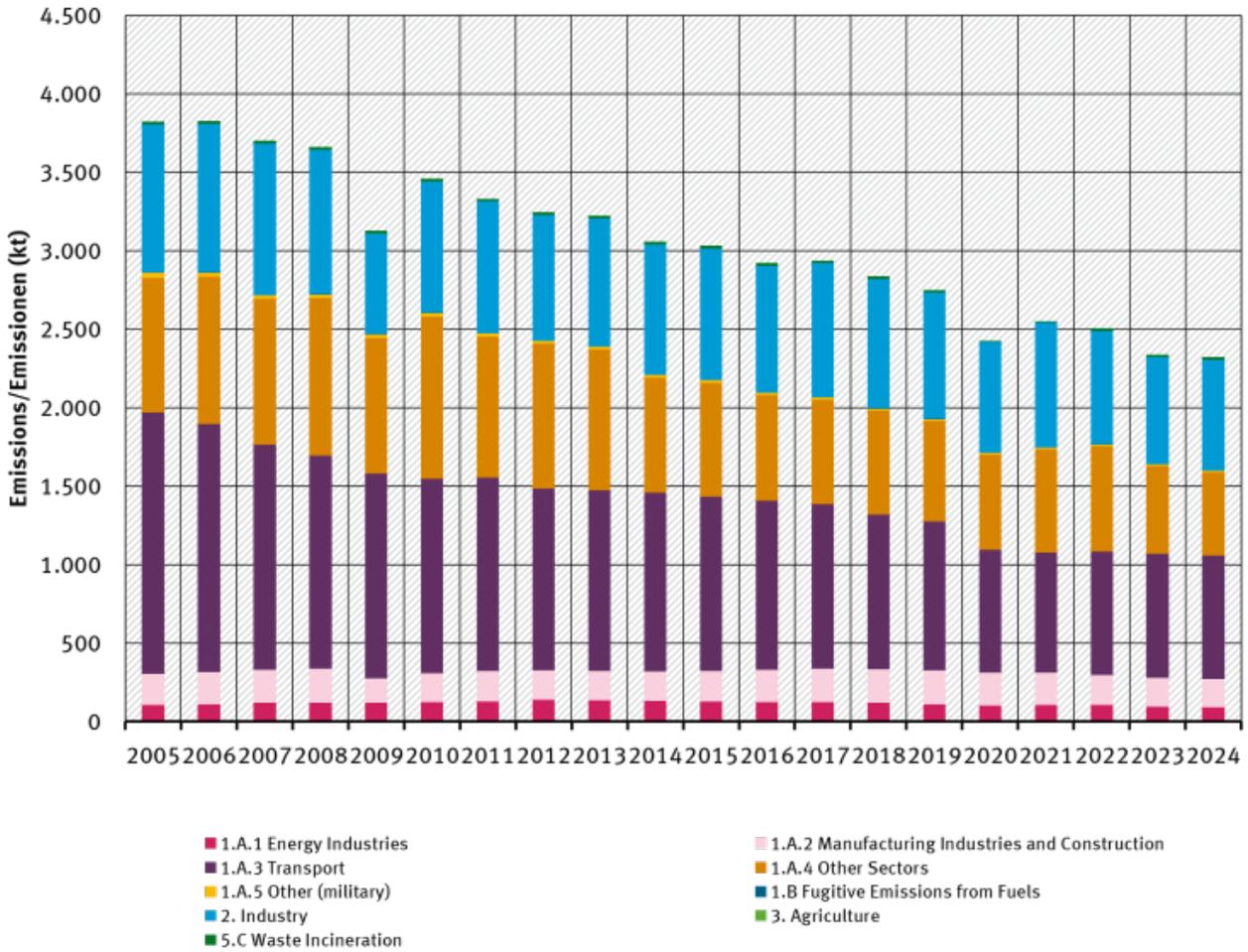
Carbon Monoxide / Kohlenmonoxid

Emissions per Sector / Sektorale Emissionen



Carbon Monoxide / Kohlenmonoxid

Emissions per Sector / Sektorale Emissionen



Quelle: German Emission Inventory (04.02.2026)