

# Explanation of Key Trends - Carbon Monoxide

## Main drivers

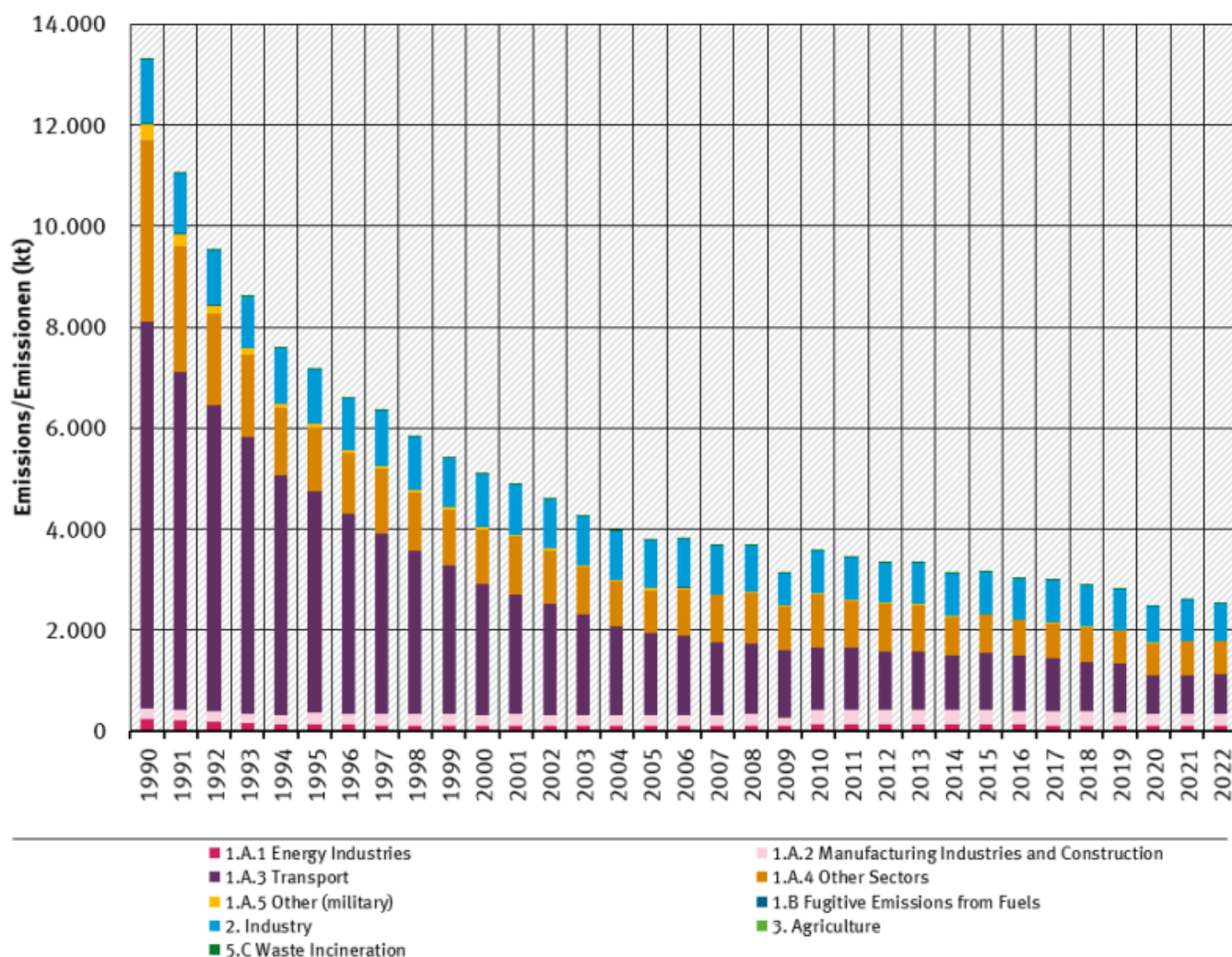
**CO total emissions** show a falling trend over the whole interval, with emission **reductions of 80.6 %** between 1990 and 2021 and a renewed interval of emission reductions in the last years.

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 2021. 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 89% in those categories between 1990 and 2021 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 82% reduction between 1990 and 2021.

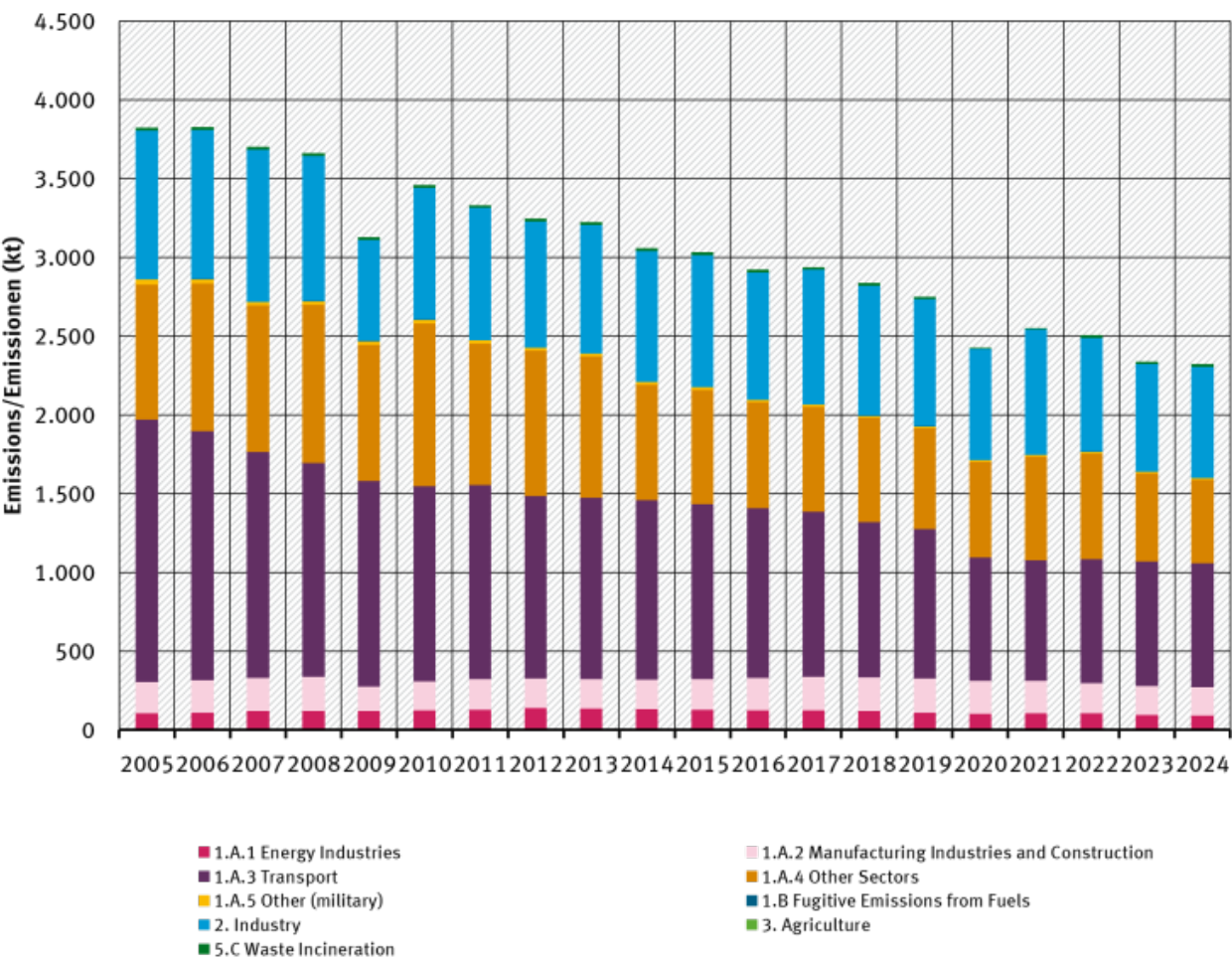
Table: Carbon monoxide emissions 1990-2021, in kilotonnes [kt]

|        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |   |        | Trend: latest compared to |            |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|--------|---------------------------|------------|
| 1990   | 1995  | 2000  | 2005  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  |   |        | 1990                      | last years |
| 13,319 | 7,217 | 5,130 | 3,853 | 3,529 | 3,448 | 3,198 | 3,161 | 2,993 | 3,094 | 2,969 | 2,976 | 2,859 | 2,754 | 2,451 | 2,586 | ✗ | -80.6% | ✗                         |            |



## Carbon Monoxide / Kohlenmonoxid

### Emissions per Sector / Sektorale Emissionen



Quelle: German Emission Inventory (04.02.2026)