Explanation of Key Trends - Carbon Monoxide

Main drivers

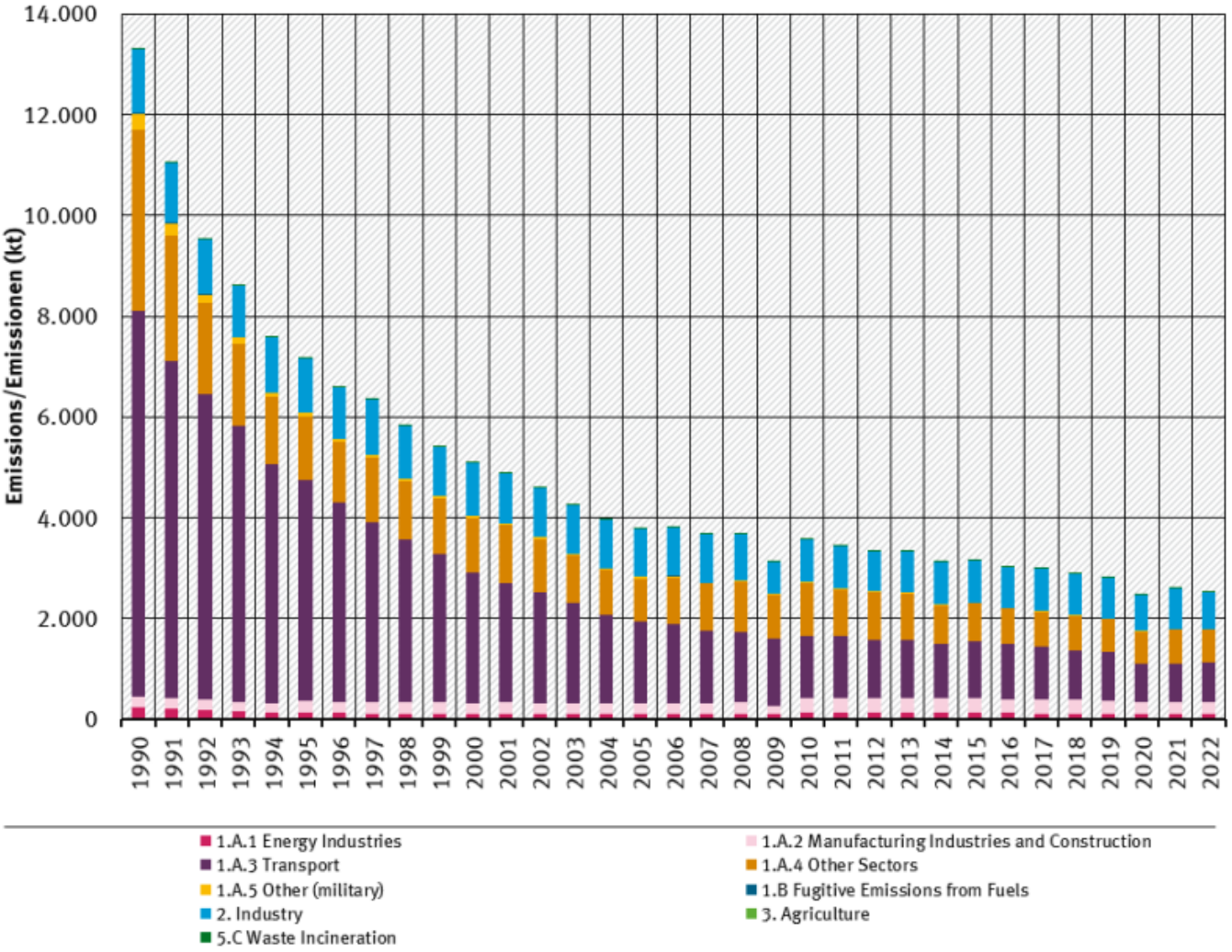
CO total emissions show a falling trend over the whole interval, with emission **reductions of 80.6 %** between 1990 and 2021 and a renewed interval of emission reductions in the last years.

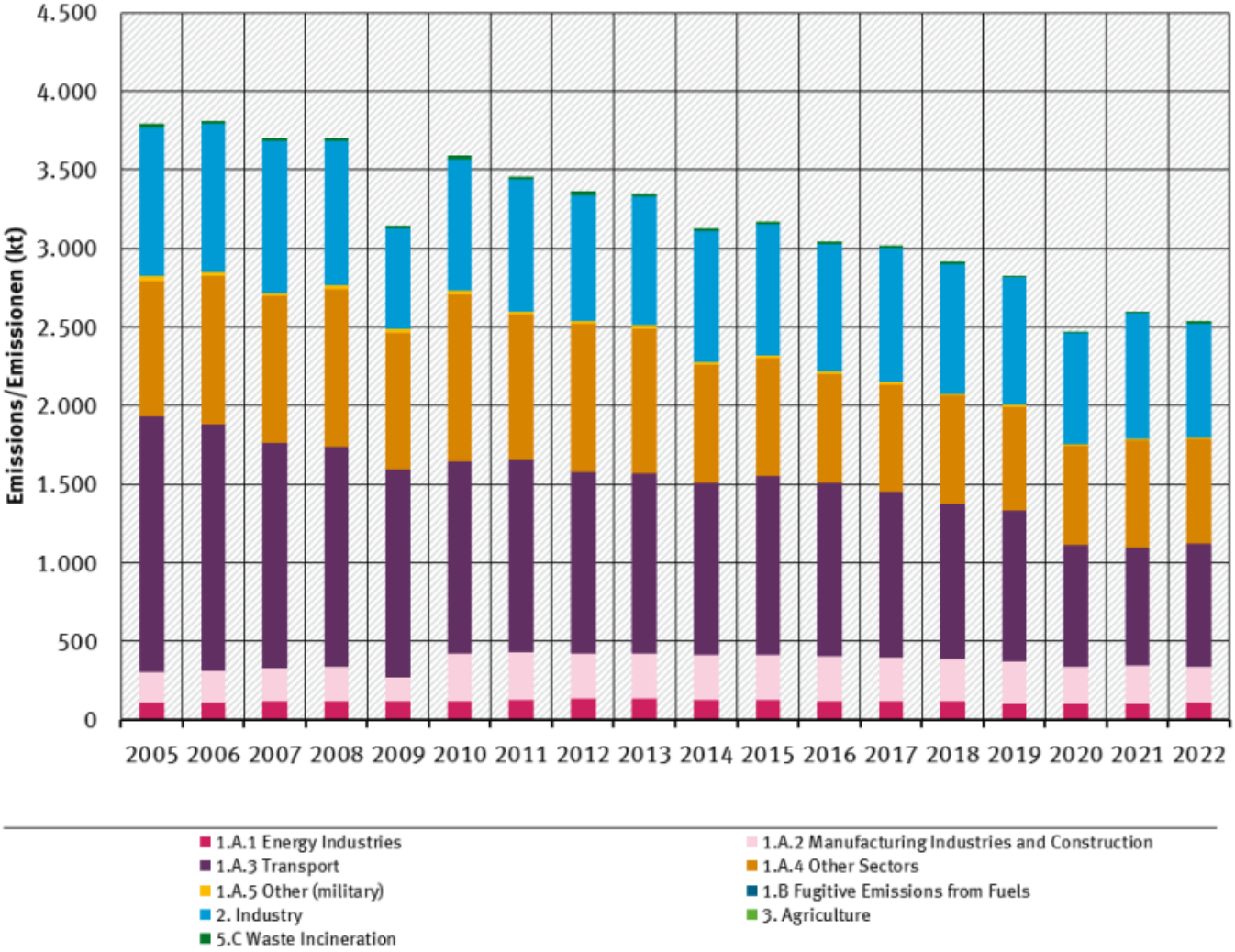
The Main Driver for CO emissions is **Fuel Combustion (NFR 1.A)** with 90% of total 1990 emissions and an 86% reduction between 1990 and 2021. In the Fuel Combustion category, **Road Transport (NFR 1.A.3.b)** is responsible for 57% of the 1990 emissions, with **Passenger Cars (NFR 1.A.3.b.i)** emitting 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**	**2022**	**1990**	**last years**
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%	↘




Emissions/Emissionen (kt)
4.500
4.000
3.500
3.000
2.500
2.000
1.500
1.000
500
0
2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022
1.A.1 Energy Industries
1.A.2 Manufacturing Industries and Construction
1.A.3 Transport
1.A.4 Other Sectors
1.A.5 Other (military)
1.B Fugitive Emissions from Fuels
2. Industry
3. Agriculture
5.C Waste Incineration