Explanation of Key Trends - Carbon Monoxide

Main drivers

CO total emissions show a falling trend over the whole interval, with emission reductions of 78.2 % between 1990 and 2019 and a stagnation 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 83% reduction between 1990 and 2019. In the Fuel Combustion category, **Road Transport (NFR 1.A.3.b)** is responsible for 61% of the 1990 emissions, with **Passenger Cars (NFR 1.A.3.b.i)** emitting nearly all of it. Reductions of about 87% in those categories between 1990 and 2019 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 30% of 1990 Fuel Combustion emissions with a 82% reduction between 1990 and 2019.

Total Emissions (kt) Trend: latest compared to 1990 1995 2000 2005 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 1990 last years 13,204 7,181 5,147 3,921 3,621 3,555 3,295 3,255 3,091 3,194 3,061 3,082 2,957 2,881 2 -78.2% ╺ 16.000 14.000 12.000 Emissions/Emissionen (kt) 0000 0000 0000 4.000 2.000 0 1998 2006 2008 2009 2010 2012 2013 2015 2019 1993 994 995 966 1999 2000 2002 2003 2005 2007 2011 2014 2016 2018 992 1997 2004 2017 2020 9990 1991 2001 2021 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) 1.8 Fugitive Emissions from Fuels 2. Industry 3. Agriculture 5.C Waste Incineration

CO Emissions 1990-2019

CO trend by sector