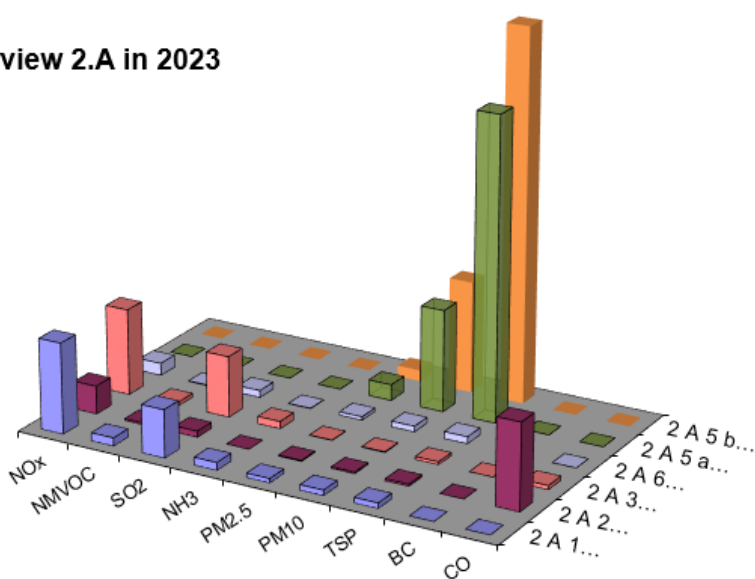


2.A - Mineral Industry (OVERVIEW)

2.A - Mineral Industry
2.A.1 Cement Production
2.A.2 Lime Production
2.A.3 Glass Production
2.A.5.a Quarrying and Mining of Minerals other than Coal
2.A.5.b Construction and Demolition
2.A.5.c Storage, Handling and Transport of Mineral Products
2.A.6 Other Mineral Products: Ceramics

The Mineral Industry comprises six different sub-categories partly divergent to reporting format of Greenhouse Gases (CRF). The main categories are the Cement Production (2.A.1), Lime Production (2.A.2), Glass Production (2.A.3). But further mineral industries are important regarding other specific emissions, highlighted here: Mining other than coal (2.A.5.a), Construction (2.A.5.b) and Ceramics Production (2.A.6).

comparative Overview 2.A in 2023

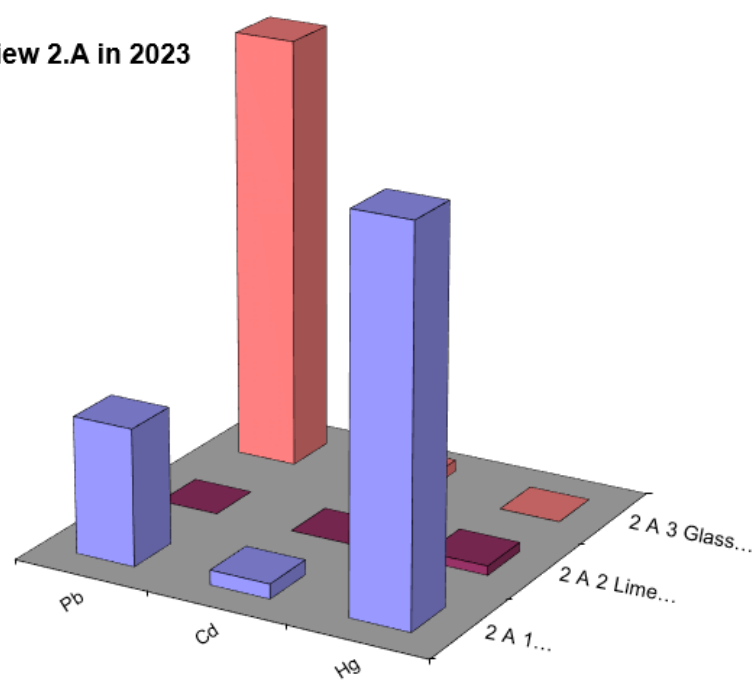


all values in Gg

	NOx	NMVOC	SO2	NH3	PM2.5	PM10	TSP	BC	CO
2 A 1 Cement Production	10,4	0,9	5,5	0,9	0,5	0,6	0,6	0,0	0,0
2 A 2 Lime Production	3,2	0,2	0,7	0,0	0,1	0,2	0,2	0,0	9,9
2 A 3 Glass Production	9,9	0,4	7,0	0,8	0,0	0,1	0,3	0,0	0,5
2 A 6 Ceramic Production	1,4	0,1	0,8	0,0	0,4	0,6	0,8	0,0	0,0
2 A 5 a Mining	0,0	0,0	0,0	0,0	1,8	11,7	34,9	0,0	0,0
2 A 5 b Construction	0,0	0,0	0,0	0,0	1,3	12,8	42,8	0,0	0,0

Emissions of air pollutants

comparative Overview 2.A in 2023



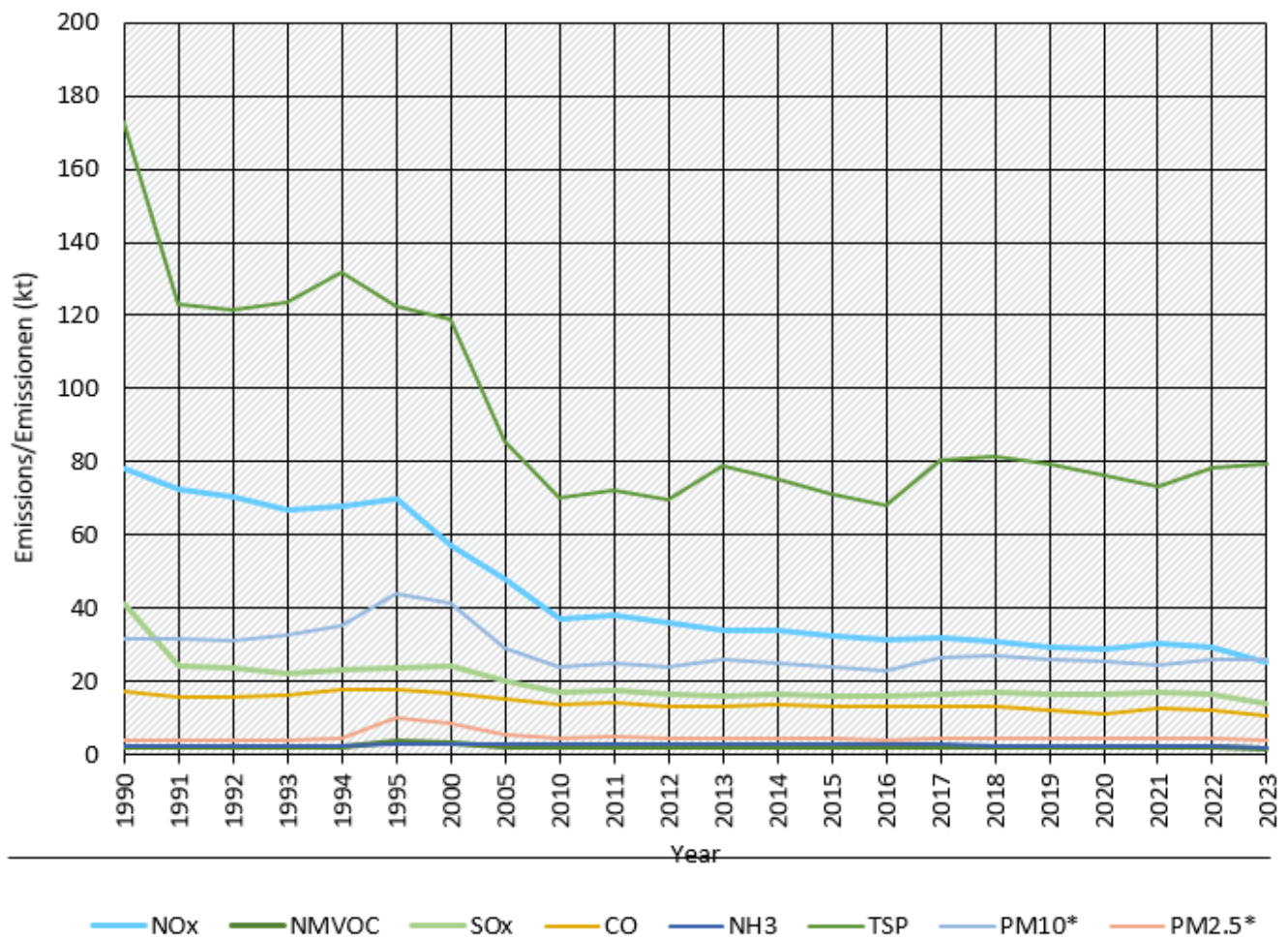
all values in Mg	Pb	Cd	Hg
2 A 1 Cement Production	0,19	0,02	0,53
2 A 2 Lime Production	0,00	0,00	0,01
2 A 3 Glass Production	0,59	0,02	0,00

Emissions of heavy metals

Discussion of emission Trends

Trends of Emissions in Germany of mineral industry

Emissions by pollutant / Emissionen nach Schadstoff



* Base Year for PM = 1995 / Basisjahr für Feinstäube
(PM) ist 1995

Quelle: German Environment Agency, National inventory for the German reporting on atmospheric emissions since 1990, (03/2025)

Emission trends in NFR 2.A

The steep reduction especially for TSP and SO₂ at the beginning of the 1990s was due especially to closures in the eastern German industrial sector. The source for emissions data of year 1990 for eastern Germany is in cases of TSP and SO₂ the last statistic of the GDR, not an old emission factor from calculation. These unusual emissions are allocated to [2.A.6 Other Mineral Products](#).