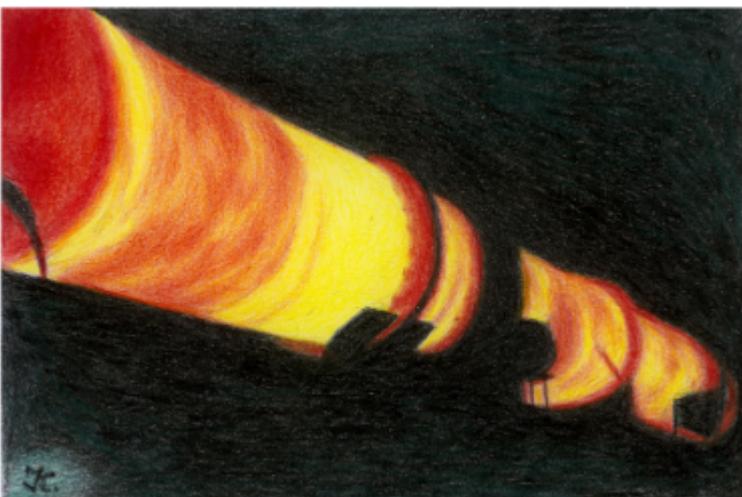


1.A.2.f - Stationary Combustion in Manufacturing Industries and Construction



Short Description

Sub-category 1.A.2.f - Non Ferrous Metals refers to intensive mineral industries.

Category Code	Method
1.A.2.f	T1

Method(s) applied

Method Code	Description
D	Default
T1	In order of significance relating to energy use and emissions, the covered industries are: Tier 1 / Simple Methodology *
T2	Tier 2*
T3	Tier 3 / Detailed Methodology *
C	CORINAIR
CS	Country Specific
M	Model

*as described in the EMEP/EEA Emission Inventory Guidebook - 2019, in category chapters.

Method (source for) Activity Data

Method Code	Description
NS	National Statistics
RS	Regional Statistics
IS	Information from the production process.
PS	Plant Specific
AS	Associations, business organisations
Q	specific Questionnaires (or surveys)
M	Model / Modelled

Regarding the burning process, regional statistics are allocated to the use of fuels or to the production process. Current allocation is regarding the main importance of the production process.

Method (source for) Emission Factors

Method Code	Description
D	Default (EMEP Guidebook)
CS	Country Specific
PS	Plant Specific
M	Model / Modelled

The key source of all conventional fuel data is the national energy balance. Moreover the use of additional statistical data is necessary in order to disaggregate data. Data source for fuel inputs for energy-related process combustion in cement industry are manufacturing-sector statistics (Statistik des produzierenden Gewerbes); reporting number (Melde-Nr.) 23.51, Cement production. Furthermore the cement industry uses significant amounts of substitute fuels that do not appear in national statistics and in the Energy Balance. Relevant production figures and fuel-use amounts have been taken from statistics of the VDZ cement-industry association. The fuel-input data for ceramics production has also been taken from manufacturing industry statistics (Statistik des produzierenden Gewerbes); reporting no. (Melde-Nr.) 23.32, brickworks (Ziegelei), production of other construction ceramics. The same statistic is also used as source for fuel input of glass (reporting number: 23.1, Production of glass and glassware) and lime production (reporting number: 23.52, Lime).

NOx	NM VOC	SO ₂	NH ₃	PM _{2.5}	PM ₁₀	TSP	BC	CO	Pb	Cd	Hg	As	Cr	Cu	Ni	Se	Zn	PCDD/F	B(a)P	B(b)F	B(k)F	I(x)P	PAH1-4	HCB	PCBs
-/-	-/-	-/-	-/-	IE	IE	IE	IE	-/-	NA	NA	NA	NA	NA	NA	NA	NA									

L/- key source by Level only
 Due to allocating emissions to process part we have removed most of time series inconsistencies. The current situation is the following:
-/T key source by Trend only
L/T key source by both Level and Trend

Table 1: key source of this pollutant regarding the fuel use due to burning processes in 1.A.2.f

IE	SO ₂	NO _x	CO	NM VOC	NH ₃	TSP	BC
emission of specific pollutant included Elsewhere (i.e. in another category)							
emission of specific pollutant not estimated (yet)							
specific pollutant not emitted from this source or activity = Not Applicable	IE ¹	IE ¹	IE ¹	IE ¹	low	IE ²	NE
no analysis done	IE ¹	IE ¹	IE ¹	IE ¹	low	IE ²	NE
analysis done	IE ²	IE ¹	IE ¹	IE ¹	IE ¹	IE ²	NE
analysis done	IE ³	IE ³	low	IE ¹	IE ¹	IE ¹	NE

¹ Included in process related emissions, in all cases it is the link to complementary source category.

² Some artifacts occur for 1990 emissions that cannot be shifted.

³ Inclusion in process related emissions occurs from different time points onwards.

The entire appraisal of the emissions situation succeeds only in connection with the process related emissions. Especially

further relevant pollutants as heavy metals or persistent organics are shown as process related generally.

Recalculations

Recalculations were necessary for most recently year due to the implementation of the now finalised National Energy Balance.



For **pollutant-specific information on recalculated emission estimates for Base Year and 2023**, please see the recalculation tables following [chapter 9.1 - Recalculations](#).

Planned improvements



At the moment, no category-specific improvements are planned.