

# BLUEPRINT for SECTORAL CHAPTER

## Short description

Source category *NFR-Code - Name of Category* comprises district heating plants and electricity and heat production of power plants. Waste incineration is also included.

Method	AD	EF	Key Category
T2	NS	CS	<b>L&amp;T:</b> NO <sub>x</sub> , SO <sub>x</sub> , TSP, PM <sub>10</sub> , PM <sub>2.5</sub> , Hg, Cd, PCDD/F; <b>L:</b> CO, HCB

**T** = key source by Trend **L** = key source by Level

Methods	
<b>D</b>	Default
<b>RA</b>	Reference Approach
<b>T1</b>	Tier 1 / Simple Methodology *
<b>T2</b>	Tier 2*
<b>T3</b>	Tier 3 / Detailed Methodology *
<b>C</b>	CORINAIR
<b>CS</b>	Country Specific
<b>M</b>	Model

\* as described in the EMEP/CORINAIR Emission Inventory Guidebook - 2007, in the group specific chapters.

AD - Data Source for Activity Data	
<b>NS</b>	National Statistics
<b>RS</b>	Regional Statistics
<b>IS</b>	International Statistics
<b>PS</b>	Plant Specific data
<b>AS</b>	Associations, business organisations
<b>Q</b>	specific questionnaires, surveys
EF - Emission Factors	
<b>D</b>	Default (EMEP Guidebook)
<b>C</b>	Confidential
<b>CS</b>	Country Specific
<b>PS</b>	Plant Specific data

## Methodology

### Activity data

### Emission factors

Table 2: Annual country-specific implied emission factors<sup>1</sup>, in kg/TJ

	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NH <sub>3</sub>	1.21	1.25	1.30	1.33	1.34	1.33	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34		
NM VOC <sup>2</sup>	2,415	1,636	1,456	1,322	1,303	1,315	1,287	1,252	1,200	1,163	1,134	1,086	1,045	1,003	983	954		
NO <sub>x</sub>	183	198	186	175	171	179	173	167	163	159	155	151	148	146	143	140		
SO <sub>2</sub>	15.11	8.36	3.25	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37		
CO	12,126	12,427	11,872	10,595	10,045	9,817	9,436	9,036	8,693	8,352	8,028	7,695	7,369	7,066	6,766	6,488		
PM <sub>2.5</sub>	NA	63.7	42.7	39.9	38.8	40.0	38.1	36.3	34.2	33.0	32.3	30.7	29.3	27.8	27.0	25.4		
PM <sub>10</sub>	NA	63.7	42.7	39.9	38.8	40.0	38.1	36.3	34.2	33.0	32.3	30.7	29.3	27.8	27.0	25.4		
TSP <sup>3</sup>	71.0	64.5	42.7	39.9	38.8	40.0	38.1	36.3	34.2	33.0	32.3	30.7	29.3	27.8	27.0	25.4		
BC	NA	NA	4.98	4.75	4.60	4.71	4.54	4.36	4.16	4.05	3.96	3.81	3.67	3.53	3.45	3.30		

<sup>1</sup> due to lack of better information: similar EF are applied for fossil and biofuels

<sup>2</sup> from fuel combustion only!

<sup>3</sup> from 1990 to 1997: also including additional dust from leaded gasoline

## Trend Discussion for Key Sources

## Recalculations



For specific **information on recalculated emission estimates for Base Year and 2018**, please see the pollutant specific recalculation tables following chapter [8.1 - Recalculations](#).

## Planned improvements

## FAQs