

## Annex I

**Table 1. The EMEP Emission Reporting Programme for 2009**

Emission data should be submitted to the EMEP Centre for Emission Inventories and Projections, CEIP, by **15 February 2009**. IIRs should reach the centre no later than **15 March 2009**. The below table summarizes information contained in the revised Emission Reporting Guidelines<sup>1</sup>.

Description of contents	Components	Reporting years <sup>1</sup>
<b>YEARLY: MINIMUM (and ADDITIONAL)</b>		
<b>A. National totals:</b>		
1. Main pollutants	SO <sub>x</sub> , NO <sub>x</sub> , NH <sub>3</sub> , NMVOC, CO	1980–2007
2. Particulate matter	PM <sub>2.5</sub> , PM <sub>10</sub> , TSP	2000–2007
3. Heavy metals	Pb, Cd, Hg / ( <i>As, Cr, Cu, Ni, Se, Zn</i> )	1990–2007
4. POPs	(See note 2)	1990–2007
<b>B. Sector emissions:</b>		
1. Main pollutants	SO <sub>x</sub> , NO <sub>x</sub> , NH <sub>3</sub> , NMVOC, CO	1980–2007
2. Particulate matter	PM <sub>2.5</sub> , PM <sub>10</sub> , TSP	2000–2007
3. Heavy metals	Pb, Cd, Hg / ( <i>As, Cr, Cu, Ni, Se, Zn</i> )	1990–2007
4. POPs	(See note 2)	1990–2007

<sup>1/</sup> As a minimum, data for the base year of the relevant protocol and from the year of entry into force of that protocol to the latest year should be reported.

<sup>2/</sup> Aldrin, chlordane, chlordecone, DDT, dieldrin, endrin, heptachlor, hexachlorobenzene (HCB), Mirex, toxaphene, hexachlorocyclohexane (HCH), hexabromobiphenyl, polychlorinated biphenyls (PCBs), dioxins/furans (PCDD/F), polycyclic aromatic hydrocarbons (PAHs), and as additional information: short-chain chlorinated paraffins (SCCP) and pentachlorophenol (PCP). (See revised Emission Reporting Guidelines.)

**Table 2. 5-yearly reporting**

<b>5-YEARLY: MINIMUM REPORTING</b>		
<b>C. Gridded data in the EMEP 50 × 50 km<sup>2</sup> grid</b>		
1. National totals	Main pollutants, PM, Pb, Cd, Hg, PAHs, HCB, dioxins/furans	1990, 1995, 2000 and 2005 (PM for 2000 and 2005)
2. Sector emissions	Main pollutants, PM, Pb, Cd, Hg, PAHs, HCB, dioxins/furans	1990, 1995, 2000 and 2005 (PM for 2000 and 2005)
<b>D. Emissions from large-point sources</b>	Main pollutants, HM, PCDD/F, PAHs, HCB, PM	1990, 1995, 2000 and 2005 (PM for 2000 and 2005)
<b>E. Historical and projected activity data and projected national total emissions</b>		
1. National total emissions	See table IV 2A in the Emission Reporting Guidelines	2010, 2015 and 2020
2. Energy consumption	See tables IV 2B and 2C in the Emission Reporting Guidelines	1990, 1995, 2000, 2005, 2010, 2015 and 2020
3. Energy consumption for transport sector	See table IV 2D in the Emission Reporting Guidelines	1990, 1995, 2000, 2005, 2010, 2015 and 2020
4. Agricultural activity	See table IV 2E in the Emission Reporting Guidelines	1990, 1995, 2000, 2005, 2010, 2015 and 2020
<b>5-YEARLY: ADDITIONAL REPORTING FOR REVIEW AND ASSESSMENT PURPOSES</b>		
VOC speciation / Height distribution / Temporal distribution	Parties are encouraged to review the information used for modelling at the <a href="http://www.emep-emissions.at/emission-data-webdab/emissions-used-in-emep-models/">http://www.emep-emissions.at/emission-data-webdab/emissions-used-in-emep-models/</a>	
Land-use data / Mercury breakdown		
% of toxic congeners of PCDD/F emissions		
Pre-1990 emissions of PAHs, HCB, PCDD/F and PCB		
Information on natural emissions		

<sup>1</sup> <http://www.emep-emissions.at/reporting-instructions/>

## Annex II

### **Explanation of templates for the 2009 reporting round**

To assist Parties in their emission reporting, reporting templates and instructions have been made available on the website of the EMEP Centre on Emission Inventories and Projections (CEIP) at <http://www.emep-emissions.at/reporting-instructions/reporting-programme-2009/>. The templates are based on the draft revised Guidelines for Reporting Emission Data the Convention on Long-Range Transboundary Air Pollution (ECE/EB.AIR/2008/4)<sup>2</sup> and their annexes (available from the CEIP website at <http://www.emep-emissions.at/reporting-instructions/>).

#### **Annual reporting**

- **National Totals and NFR Sector Emissions for main pollutants, PM, HMs and POPs:** Templates (table 1) for reporting national totals and sector emissions for main pollutants, particulate matter, heavy metals and POPs (ECE/EB.AIR/2008/4, annex IV, Section D, Table IV 1) for the source sectors in the nomenclature for reporting (NFR) are available for the years 1980 (1990 for HMs and POPs and 2000 for PMs) to 2005. **Please use table 1 also for reporting activity data.** Please note that the template sheets “Extensions” and “Additional info” are voluntary.
- **Aggregation of NFR codes** to be used when preparing gridded and LPS data (GNFR) is provided in annex III.
- **Use of footnotes:** Please note that notes and footnotes to data should not be included in the tables, but in Table IV 1 “Footnotes IV1 F1-F5” and/or in the informative inventory report (IIR). You can fill in one footnotes sheet for your whole submission, if the same footnotes apply to all years you are submitting.
- **Informative inventory report (IIR):** Template for preparing the IIR is provided in annex VI. In addition, please provide an English summary of key information on the inventories, including reasons for recalculations, on new emission sources and explanation of trends and the implementation of country specific methods and data.

#### **Additional information for reporting**

- **For information on gridding see:** [http://www.emep.int/index\\_mscw.html](http://www.emep.int/index_mscw.html)
- To consult the EMEP/EEA Emission Inventory Guidebook, please refer to the EEA website ([http://reports.eea.europa.eu/EMEP\\_CORINAIR5/en/page002.html](http://reports.eea.europa.eu/EMEP_CORINAIR5/en/page002.html)) or follow the link at <http://tfeip-secretariat.org/unece.htm>.
- For information on the Coordinated European Programme on **Particulate Matter** Emissions, Projections and Guidance (CEPMEIP), initiated by EMEP to support Parties in the compilation of particulate matter emission data, see: <http://www.air.sk/tno/cepmeip/>.

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<sup>2</sup> At its thirty-first session, the EMEP Steering Body had agreed on the technical contents of the revised Guidelines. As requested by the Executive Body its twenty-fifth session, the Working Group on Strategies and Review in consultation with legal experts further revised the text of Guidelines for added clarity and consistency. At its forty-first session, the Working Group agreed to forward the revised Guidelines as amended to the EMEP Steering Body for information and to the Executive Body at its twenty-sixth session (in December 2008) for adoption.