

## **Decision 2013/4**

### **Reporting of emissions and projections data under the Convention and its protocols in force**

*The Parties to the Convention on Long-range Transboundary Air Pollution, the Protocol on Nitrogen Oxides, the Protocol on Volatile Organic Compounds, the 1994 Sulphur Protocol, the Protocol on Heavy Metals, the Protocol on Persistent Organic Pollutants and the Gothenburg Protocol, respectively, meeting within the Executive Body,*

*Referring to the Guidelines for Reporting Emissions and Projections Data under the Convention on Long-range Transboundary Air Pollution (Guidelines) adopted by the Executive Body at its thirty-second session (decision 2013/3),*

*Recalling Executive Body decision 2002/10 on emission data reporting under the Convention and the protocols in force, decision 2005/1 on emission data reporting under the Protocol on Heavy Metals, the Protocol on Persistent Organic Pollutants and the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (Gothenburg Protocol) and decision 2008/16 on emission data reporting under the Convention and its protocols,*

*Noting the importance of reliable emission data both for the purpose of reviewing Parties' compliance with their obligations under the protocols and as a basis for scientific work to further develop abatement strategies under the Convention,*

*Recognizing that the Guidelines apply only to Parties within the geographical scope of the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe (EMEP), as defined in the 1984 Protocol on Long-term Financing of EMEP, including those Parties whose respective national territories have a part that overlaps within the EMEP emissions reporting grid and another part lying outside the EMEP domain, and that Parties outside the geographical scope of EMEP are encouraged to take the Guidelines into account when preparing and reporting their annual submissions and to exchange similar available information,*

1. *Decide to revoke decisions 2002/10, 2005/1 and 2008/16 with effect from 1 January 2015 and that the specific requirements on reporting of emissions and projections data under the Convention and its protocols in force shall from that date be those set out in the decisions contained in annexes I to IV to this decision;*

2. *Further decide that the Guidelines referred to in the annexes to this decision shall be the Guidelines adopted through decision 2013/3, noting that no revision to the Guidelines will affect this specification unless and until it has been expressly so decided by the Parties meeting within the Executive Body.*

#### **Annex I**

*The Parties to the Convention,*

*Acting under article 8, paragraph (a), of the 1979 Convention on Long-range Transboundary Air Pollution, the Parties to the Convention,*

*Decide that:*

(a) *The periods of time referred to in article 8, paragraph (a), of the Convention for which available information on emissions shall be exchanged shall be:*

(i) Annual for national totals, to be submitted by 15 February<sup>1</sup> for the calendar year that is two years prior to the reporting year;

(ii) Every fourth year, starting from 2017, for gridded and large point sources data, to be submitted by 1 May<sup>2</sup> for the calendar year that is two years prior to the reporting year;

(iii) To the extent feasible covering an appropriate emission time series with respect to annual national totals, including recalculated data for the previous years;

(b) The air pollutants, referred to in article 8, paragraph (a), of the Convention shall be emissions of: sulphur (SO<sub>x</sub>), nitrogen oxides (NO<sub>x</sub>), ammonia (NH<sub>3</sub>), non-methane volatile organic compounds (NMVOCs), carbon monoxide (CO), particulate matter (referring in particular to PM<sub>2.5</sub> and PM<sub>10</sub> and, if a Party considers it appropriate, total suspended particulate matter (TSP) and black carbon (BC)), heavy metals (in particular: cadmium (Cd), lead (Pb), mercury (Hg) and, if a Party considers it appropriate, arsenic (As), chromium (Cr), copper (Cu), nickel (Ni), selenium (Se) and zinc (Zn)) and persistent organic pollutants (in particular, hexachlorobenzene (HCB), polychlorinated biphenyls (PCBs), dioxins/furans (PCDD/F) and polycyclic aromatic hydrocarbons (PAHs)), using as guidance the definitions given in the Guidelines;

(c) For the reporting by Parties within the geographical scope of EMEP, the grid units referred to in article 8, paragraph (a), of the Convention shall be 0.1° x 0.1° latitude-longitude grids specified in annex V to the Guidelines. As an alternative, a Party may use grid units with a size of approximately 50 x 50 square kilometres (km<sup>2</sup>) until it is technically and economically feasible to switch to 0.1° x 0.1° latitude-longitude grids;

(d) Data referred to in paragraph 1 of decision 2013/4 shall be submitted, through the Executive Secretary of the Economic Commission for Europe, to the EMEP Centre of Emissions Inventories and Projections (CEIP), or as an equivalent alternative directly to CEIP with notification to the Executive Secretary of the Commission.

## **Annex II**

*The Parties to the 1988 Protocol concerning the Control of Emissions of Nitrogen Oxides or their Transboundary Fluxes,*

*Acting under article 8, paragraphs 1 (a) and 2, of the Protocol,*

*Decide that:*

(a) The uniform reporting framework, referred to in article 8, paragraph 2, of the Protocol on Nitrogen Oxides, in accordance with which information shall, as far as possible, be submitted, shall be the reporting templates given in annex I to the Guidelines;

(b) Data exchanged in accordance with article 8, paragraph 1 (a), of the Protocol shall be submitted through the Executive Secretary of the Economic Commission for Europe, to CEIP, or as an equivalent alternative directly to CEIP with notification to the Executive Secretary of the Commission.

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<sup>1</sup> 30 April for the European Union (EU).

<sup>2</sup> 15 June for the EU.

### **Annex III**

*The Parties to the 1991 Protocol on the Control of Emissions of Volatile Organic Compounds or their Transboundary Fluxes,*

*Acting under article 8 of the Protocol,*

*Decide that:*

(a) The guidelines referred to in article 8, paragraph 1, of the Protocol, according to which each Party shall report on the level of emissions of volatile organic compounds (VOCs) in its territory and any Tropospheric Ozone Management Areas in its territory, by total and, to the extent feasible, by sector of origin and by individual VOC, including recalculated data for earlier reported years, are those set out in the relevant annexes to the Guidelines;

(b) The intervals referred to in article 8, paragraph 3, of the Protocol, for which Parties within the geographical scope of EMEP shall report information on VOC emissions by sector of origin, shall be:

(i) Annual for national emissions, to be submitted by 15 February<sup>3</sup> for all calendar years from 1990, or from the relevant reference year when other than 1990, to the year that is two years prior to the reporting year;

(ii) Annual for recalculated national emission data for previous years, to be included in the reported time series as required under (i) above;

(iii) Every fourth year, starting from 2017, for gridded and large point sources data, to be submitted by 1 May<sup>4</sup> for the calendar year that is two years prior to the reporting year;

(c) The spatial resolution, referred to in article 8, paragraph 3, of the Protocol, with which Parties within the geographical scope of EMEP shall report gridded data on VOC emissions, shall be the 0.1° x 0.1° latitude-longitude grid specified in annex V to the Guidelines. As an alternative, a Party may use grid units with a size of approximately 50 x 50 km<sup>2</sup> until it is technically and economically feasible to switch to 0.1° x 0.1° latitude-longitude grids;

(d) The uniform reporting framework, referred to in article 8, paragraph 4, of the Protocol, in accordance with which information shall, as far as possible, be submitted, shall be the reporting templates given in the relevant annexes to the Guidelines;

(e) Data referred to under paragraph 8 shall be submitted through the Executive Secretary of the Economic Commission for Europe, to CEIP, or as an equivalent alternative directly to CEIP with notification to the Executive Secretary of the Commission.

### **Annex IV**

*The Parties to the 1994 Protocol on Further Reduction of Sulphur Emissions (1994 Sulphur Protocol), the 1998 Protocol on Heavy Metals, the 1998 Protocol on Persistent Organic Pollutants and the 1999 Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (Gothenburg Protocol), respectively,*

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<sup>3</sup> 30 April for the EU.

<sup>4</sup> 15 June for the EU.

*Acting* under article 5, paragraphs 1 (b) and 2, of the 1994 Sulphur Protocol, article 7, paragraph 1 (b) of the Protocol on Heavy Metals, article 9, paragraph 1 (b), of the Protocol on POPs and article 7, paragraph 1 (b), of the Gothenburg Protocol, respectively,

*Decide* that:

(a) The periodic basis, referred to in article 5, paragraphs 1 (b) and 2, of the 1994 Sulphur Protocol, article 7, paragraph 1 (b), of the Protocol on Heavy Metals, article 9, paragraph 1 (b), of the Protocol on POPs and article 7, paragraph 1 (b), of the Gothenburg Protocol for the reporting of information on the levels of emissions by Parties within the geographical scope of EMEP, shall be:

(i) Annual for national emissions, to be submitted by 15 February<sup>5</sup> for all calendar years from 1990, or from the relevant reference year when other than 1990, to the year that is two years prior to the reporting year;

(ii) Annual for recalculated national emission data for previous years, to be included in the reported time series as required under (i) above;

(iii) Every fourth year, starting from 2017, for gridded and large point sources data, to be submitted by 1 May<sup>6</sup> for the calendar year that is two years prior to the reporting year;

(b) The periodic basis, determined in accordance with article 7, paragraph 1 (b), of the Gothenburg Protocol for the reporting of information on projected emissions by Parties within the geographical scope of EMEP, shall be every fourth year, starting from 2015, for emission projections for the years 2020, 2025 and 2030 and, where available, also for 2040 and 2050, to be submitted by 15 March;<sup>7</sup>

(c) The methodologies and temporal and spatial resolution specified in accordance with article 7, paragraph 1 (b), of the Protocol on Heavy Metals, article 9, paragraph 1 (b), of the Protocol on POPs and article 7, paragraph 1 (b), of the Gothenburg Protocol for the reporting of information on the levels of emissions by Parties within the geographical scope of EMEP, shall be those specified in the Guidelines, and in particular that:

(i) The methodologies used for estimating emissions and projections shall be those described in the EMEP/EEA<sup>8</sup> air pollutant emission inventory guidebook or alternatively national/international methodologies producing more accurate country-specific estimates;

(ii) The reporting templates used shall be those given in annexes I–VII to the Guidelines;

(iii) The spatial resolution used for reporting gridded data shall be the 0.1° x 0.1° latitude-longitude projection specified in annex V to the Guidelines. As an alternative, a Party may use grid units with a size of approximately 50 x 50 km<sup>2</sup> until it is technically and economically feasible to switch to 0.1° x 0.1° latitude-longitude grids;

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<sup>5</sup> 30 April for the EU.

<sup>6</sup> 15 June for the EU.

<sup>7</sup> 30 April for the EU.

<sup>8</sup> European Environment Agency.

(d) The guidelines, the format and content referred to in article 5, paragraph 1, of the 1994 Sulphur Protocol, according to which each Party shall report on the level of national annual sulphur emissions, containing emission data for all relevant sources, are those set out in the Guidelines, including the guidelines on the methodologies, the reporting templates and the spatial resolution as articulated in subparagraph (c) above;

(e) Data referred to under subparagraphs (a) and (b) above shall be submitted, through the Executive Secretary of the Economic Commission for Europe, to CEIP, or as an equivalent alternative directly to CEIP with notification to the Executive Secretary of the Commission.

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