

## Decision 2022/2

### 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 1988 Protocol concerning the Control of Emissions of Nitrogen Oxides or their Transboundary Fluxes, the 1991 Protocol concerning the Control of Emissions of Volatile Organic Compounds or their Transboundary Fluxes, the 1994 Protocol on Further Reduction of Sulfur Emissions, the 1998 Protocol on Heavy Metals, including in amended version, the 1998 Protocol on Persistent Organic Pollutants, including in amended version, and the 1999 Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (Gothenburg Protocol), including in amended version, 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 forty-second session (decision 2022/1),<sup>1</sup>*

*Recalling Executive Body decision 2013/4 on reporting of emissions and projections data under the Convention and its protocols in force,<sup>2</sup>*

*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 its 1984 Protocol on Long-term Financing, 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* that the present decision replaces decision 2013/4 with effect from 1 January 2024 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–IV to this decision;
2. *Also decide* that the Guidelines referred to in the annexes to this decision shall be the Guidelines adopted through decision 2022/1, 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;
3. *Determine* that each reference to decision 2013/4 contained in other decisions by the Executive Body or by the Parties to the aforementioned protocols, respectively, is meant to refer to decision 2022/2 as of 1 January 2024, unless the reference to decision 2013/4 clearly concerns a point in time before this date.

#### Annex I

*The Parties to the Convention,*

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

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<sup>1</sup> ECE/EB.AIR/2022/8, sect. I.

<sup>2</sup> ECE/EB.AIR/122/Add.1.

*Decide that:*

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

- (i) Be annual for national totals, to be submitted by 15 February<sup>3</sup> for the calendar year that is two years prior to the reporting year;
- (ii) Be 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;
- (iii) To the extent feasible, cover 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 (a) of the Convention shall be emissions of: sulfur oxides (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 and furans (PCDD/F) and polycyclic aromatic hydrocarbons (PAHs)), using as guidance the definitions given in the Guidelines;

(c) For reporting by Parties within the geographical scope of EMEP, the grid units referred to in article 8 (a) of the Convention shall be 0.1° x 0.1° latitude-longitude grids specified in annex V to the Guidelines;

(d) Data referred to in paragraph 1 of decision 2022/2 shall be submitted, through the Executive Secretary of the United Nations Economic Commission for Europe (ECE), to the EMEP Centre on Emissions Inventories and Projections or, as an equivalent alternative, directly to the EMEP Centre on Emissions Inventories and Projections with notification to the Executive Secretary of ECE.

## **Annex II**

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

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

*Decide that:*

(a) The uniform reporting framework referred to in article 8 (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 (1) (a) of the Protocol shall be submitted through the Executive Secretary of the United Nations Economic Commission for Europe (ECE) to the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe Centre on Emissions Inventories and Projections, or, as an equivalent alternative, directly to the Centre on Emissions Inventories and Projections, with notification to the Executive Secretary of ECE.

## **Annex III**

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

*Acting under article 8 of the Protocol,*

<sup>3</sup> 30 April for the European Union.

<sup>4</sup> 15 June for the European Union.

Decide that:

(a) The guidelines referred to in article 8 (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 (3) of the Protocol, for which Parties within the geographical scope of the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe (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>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;

(c) The spatial resolution, referred to in article 8 (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;

(d) The uniform reporting framework, referred to in article 8 (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 United Nations Economic Commission for Europe (ECE), to the EMEP Centre on Emissions Inventories and Projections, or, as an equivalent alternative, directly to the Centre on Emissions Inventories and Projections with notification to the Executive Secretary of ECE.

#### Annex IV

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

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

Decide that:

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

<sup>5</sup> 30 April for the European Union.

<sup>6</sup> 15 June for the European Union.

- (i) Annual for national emissions, to be submitted by 15 February<sup>7</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>8</sup> for the calendar year that is two years prior to the reporting year;
- (b) The periodic basis, determined in accordance with article 7 (1) (b) of the Gothenburg Protocol, as well as article 7 (1) (b) of the Gothenburg Protocol, as amended, 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 2025 and 2030 and, where available, also for 2040 and 2050, to be submitted by 15 March;<sup>9</sup>
- (c) The methodologies and temporal and spatial resolution specified in accordance with article 7 (1) (b) of the Protocol on Heavy Metals, article 7 (1) (b) of the Protocol on Heavy Metals, as amended, article 9 (1) (b) of the Protocol on POPs, article 9 (1) (b) of the Protocol on POPs, as amended, article 7 (1) (b) of the Gothenburg Protocol and article 7 (1) (b) of the Gothenburg Protocol, as amended, 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/European Environment Agency 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;
- (d) The guidelines, the format and content referred to in article 5 (1) of the 1994 Sulfur Protocol, according to which each Party shall report information on the levels of national annual sulfur emissions, containing emission data for all relevant source categories, 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 United Nations Economic Commission for Europe (ECE) to the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe Centre on Emissions Inventories and Projections, or, as an equivalent alternative, directly to the Centre on Emissions Inventories and Projections with notification to the Executive Secretary of ECE.

<sup>7</sup> 30 April for the European Union.

<sup>8</sup> 15 June for the European Union.

<sup>9</sup> 30 April for the European Union.