



**UNECE's Air Convention**  
**Gothenburg Protocol Review**  
*Scope and Content*

*Geneva, Switzerland*

14 December 2020



# *Gothenburg Protocol Review Group*

- Tasked by WGSR Chair in consultation with the EB Bureau to develop a preparatory document to be used for discussions on the review of the Gothenburg Protocol by the WGSR.
- Drafted **“Preparations for the review of the Protocol to Abate Acidification, Eutrophication, and Ground-level ozone, as amended in 2012.”** Includes the scope and content of the review and elaborates on the elements in EB Decision 2019/4 (2020/3).
- Drafted **Annex I** to the “Preparations” document which provides a list of questions to the subsidiary bodies (informal document for EMEP/WGE).

# *GPG Members*

- Chair: Kimber Scavo
- WGSR Bureau:  
Ivan Angelov, Dominique Pritula, Till Spranger
- Invited experts:  
Richard Ballaman, Noe Megrelishvili, Peter Meulepas
- Task Force Co-Chairs:  
Rob Maas & Stefan Åström (TFIAM),  
Claudia Marques dos Santos, Tommy Dalgaard & Mark Sutton (TFRN)  
Tiziano Pignatelli & Jean-Guy Bartaire (TFTEI)
- Advisors: Anna Engleryd (EB), Susanne Lindahl (EC)
- Secretariat: Alina Novikova

# *Preparations for the review of the Gothenburg Protocol*

- Purpose of the review is to assess and evaluate whether the short and long-term goals and objectives of the present amended Gothenburg Protocol can be met.
- Preparatory Document on the scope and content of the review:
  - Broad approach in elaborating on the elements from EB decision 2019/4 that relate to the Gothenburg Protocol
  - Took into consideration the 2016 science assessment, the policy response to the science assessment, and the long-term strategy for 2020-2030 and beyond
- Review is an assessment based on collected information that will inform Parties of appropriate next steps to meet the goals and objectives.

# Key Priorities

- Initial focus on the legally required elements pursuant to the provisions of article 10 of the Protocol
  - Evaluation of mitigation measures for black carbon and ammonia emissions
  - Sufficiency and effectiveness of current obligations and the Parties' success in achieving the Protocol's objectives
- Steps to gather information from Parties that have not yet ratified the Protocol in order to help inform recommendations and conclusions of the review

# *Elements for the review*

- Legally required elements
  - Timing
  - Cost-effective and effects-oriented emission reductions
  - Achieving the Objectives
  - Evaluation of mitigation measures for black carbon and ammonia measures and annex IX
- Elements in the existing Protocol (including expanded list of elements from EB 2019/4 as well as from the report of the 39<sup>th</sup> session of the EB)
  - Sufficiency and Effectiveness
  - Current flexibilities
  - Other articles of the Protocol
- Elements to address gaps and additional inputs
  - Per the long-term strategy, the review should look at appropriate steps towards reducing emissions of black carbon, ozone precursors not yet addressed such as methane, and emissions from shipping with due consideration for IMO policies and measures.
  - Reflection on the flexibility provisions
  - Opportunities for an integrated approach to environmental policy

# *Informal Documents referenced in the Preparatory document*

- Consideration for ammonia relevant to future review of the Gothenburg Protocol
  - Update on available documentation relevant to Article 10.4
- Prioritizing reductions of PM to also achieve reduction of BC
  - Update and initial evaluation of mitigation measures for BC emissions per Article 10.3
- Comments on these 2 informal documents will be due to the Secretariat by the end of January.

# *Informal Documents referenced in the Preparatory document*

- The following 2 informal documents are background information documents.
- Non-technical and structural measures
  - Work to date on non-technical measures cited in Section C of 2020/3
- Background documentation on past reviews and barriers to implementation and ratification to the Convention's Protocols
  - Includes information helpful for the Review and reference documents on increasing ratifications and implementation
  - An informal or thematic session to gather additional information from EECCA countries and other parties that have not yet ratified the Protocol would be helpful to assess flexibilities



# *Annex I*

- List of questions could be helpful to Subsidiary Bodies in preparing for the review
  - Includes EMEP SB, WGE, WGSR and IC
- There are elements in the “Preparatory” document for WGSR/EB that subsidiary bodies should take into account in answering the questions (Section C)
- Subsidiary bodies may need to adjust their 2020-2021 workplan activities, as appropriate, to be able to undertake some of the work required for the review

# *Annex I*

- Questions to Subsidiary Bodies of the Convention are related to:
  - Review of obligations in relation to emission reductions
  - Review of progress towards achieving the environmental and health objectives of the Protocol
  - Review of adequacy of obligations in attaining the environmental and health objectives of the Protocol
  - Evaluation of mitigation measures for BC emissions
  - Evaluation of ammonia control measures and consideration of the need to revise annex IX

# *Draft Outline of the Review Report (tentative)*

- Introduction
- Legal requirements for the review
- Emissions
- Measured and modelled atmospheric concentrations and deposition levels
- Measures and modelled effects on human health, natural ecosystems, materials and crops
- Emission reduction commitments for Parties
- Emission limit values, technical annexes and the related guidance documents of the Protocol (with priority given to black carbon and ammonia measures)
- Specific sector approaches (e.g., residential solid-fuel, agriculture, shipping)
- Non-technical measures, best available technology and energy-efficiency requirements (see the long-term strategy for the Convention for 2020-2030 and beyond, para 21)
- Flexibility provisions
- Convention Parties that are not Parties to the Protocol
- Canada and the United States
- Hemispheric Transport
- Integrated multi-pollutant, multi-effect approach,
- Synergies and interactions with other policy areas
- Progress towards achieving the objectives of the protocol
- Conclusions

# Timeframe

Meeting	Title of report tabled for consideration	Deadline
WGSR 58 / EB 40	Preparations for the review (final) ECE/EB.AIR/WG.5/2020/3 Consideration for ammonia relevant to future review of the Gothenburg Protocol Informal document on prioritizing reductions of PM to also achieve reduction of BC	25 September 2020 for official documents  Evaluation per Article 10.3 & 10.4 (WGSR informal documents for Agenda item 5)
WGSR 59 (17-20 May 2021)	First draft annotated outline on the Review	February 2021
TF/centre/ICP meetings	First draft of the report for the review ECE/EB.AIR/WG.#/##	Feedback by June 2021
EMEP SB/WGE meeting	Draft of report of the review ECE/EB.AIR/WG.#/##	September 2021
WGSR 60	Draft of report of the review ECE/EB.AIR/WG.#/##	February 2022
EB 42	Final report of review adopted/Conclude the Review	December 2022