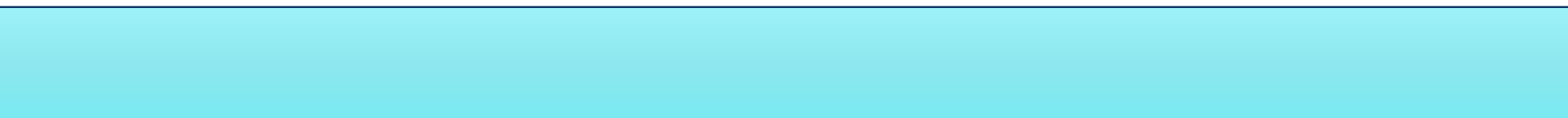




UNECE's Air Convention Gothenburg Protocol Review

13 September 2021

Joint EMEP/WGE Meeting
Gothenburg Protocol Review Group



Gothenburg Protocol Review Group

- Developed the “**Preparations for the review of the Protocol to Abate Acidification, Eutrophication, and Ground-level ozone, as amended in 2012 (2020/3).**” Includes the scope and content of the review and elaborates on the elements found in EB Decision 2019/4. (Adopted at EB in December 2020)
- **Annex I** of the “Preparations” document provides a list of questions to the subsidiary bodies
- Based on the elements contained in the “Preparations” document for the review, the “Draft annotated outline of the report on the review of the Protocol to Abate Acidification, Eutrophication and Ground-level Ozone (2021/4), ” and inputs from the subsidiary bodies, GPG drafted “**Draft Review of the Gothenburg Protocol**” for the 41st session of the EB.

Draft Outline of the Report on the Review

- I. Introduction
- II. Legal requirements for the review
- III. Emissions
- IV. Measured and modelled atmospheric concentrations and deposition levels
- V. Measures and modelled effects on natural ecosystems, materials and crops and assessment of human health effects
- VI. Emission reduction commitments for Parties
- VII. Emission limit values, technical annexes and the related guidance documents of the Protocol (with priority given to black carbon and ammonia measures)
- VIII. Specific sector approaches (e.g., residential solid-fuel, agriculture, shipping)
- IX. Non-technical measures, best available technology and energy-efficiency requirements
- X. Flexibility provisions
- XI. Convention Parties that are not Parties to the Protocol
- XII. Canada and the United States
- XIII. Hemispheric Transport
- XIV. Integrated multi-pollutant, multi-effect approach,
- XV. Synergies and interactions with other policy areas
- XVI. Progress towards achieving the objectives of the protocol
- XVII. Additional policy issues
- XVIII. Conclusions

Issues for EMEP/WGE

- Request to correct and improve text where needed in the Draft Review document (for Drafts 1 & 2)
- Wherever possible, add policy relevant conclusions:
 - What do uncertainty ranges in table 3.1 mean for policy evaluation?
 - Answer blank numbers, e.g.: in para 25 (trend in population exposure)
- Discuss para 28: in modelling and monitoring system fit for future purposes.
- Discuss para 47: additional info needed to include condensables (*what actions are needed to be able to include condensables e.g., revision of PM2.5 emission reduction obligations and ELVs*)
- Add annexes with national emission (projection) data, health impacts and ecosystem protection

Inputs

- Annex I Questions: Subsidiary bodies sent answers to questions listed in each section in Spring 2021
- Key documentation:
 - Informal compilation document: Subsidiary bodies can continue to submit documentation
 - Draft 1 of Review (included key messages from informal document submittals); Official Document for the EB
 - Draft 2 of Review; Official Document for WGSR60
- Resource implications: Resource issues for Review inputs should be discussed in the development of the 2022-23 workplan

Timeline & process for submitting additional input

- Initial input was due April 9 from EMEP SB, WGE and WGSR/GPG
- GPG will submit Draft 1 as an official document by 17 September for the EB41.
- Draft 1 will be discussed at EB41
- Additional input for Draft 2 will be accepted until 10 December. GPG will submit it by 10 January as an official document for WGSR60
- WGSR 60: Draft 2 to be discussed; additional input from the thematic session on flexibilities and barriers to ratification and implementation; informal document on synergies with other policy areas (include methane, black carbon and nitrogen and its compounds)
- Potential in person GPG meeting in Spring/Summer 2022 to finalize
- Final draft will be discussed at EMEP SB/WGE in September 2022
- The final draft will be submitted by official doc deadline in Sept 2022

Submitting Comments

- Draft 1: Submit to EMEP/WGE Co-chairs (Laurence.ROUIL@ineris.fr & isaura.rabago@ciemat.es) and copy GPG Chair (scavo.kimber@epa.gov) by 16 September
- Draft 2: Submit to EMEP/WGE Co-Chairs by 10 December.
- Informal compilation document: Submit to EMEP/WGE Co-chairs by 1 November (*in due time for the EB meeting*)
- For discussion at the Joint EMEP/WGE meeting: EMEP/WGE Co-chairs

GPG Informal documents for EB

- Informal compilation document for the Review of the Gothenburg Protocol
- Updated version of Flexibilities in the Amended Gothenburg Protocol (from WGSR59)
- Other TBD. E.g., possibility for updated version of the non-technical measures informal document (from EB40 & WGSR59)

Timeframe

Meeting	Title of report tabled for consideration	Deadline
WGSR 58 / EB 40	<i>Preparations for the review (final)</i> <i>ECE/EB.AIR/WG.5/2020/3</i> <i>Considerations for ammonia relevant to future review of the Gothenburg Protocol</i> <i>Informal document on prioritizing reductions of PM to also achieve reduction of BC</i>	25 September 2020 for official documents <i>Evaluation per Article 10.3 & 10.4 (WGSR informal documents)</i>
WGSR 59 (18-20 May 2021)	First draft annotated outline on the Review	February 2021
TF/centre/ICP meetings	First draft of the report for the review Informal Document	<u>Initial Input April 2021</u>
EMEP SB/WGE meeting (13-17 Sept 2021)	First Draft of report of the review ECE/EB.AIR/WG.#/##	September 2021
WGSR 60 (11-14 April 2022)	Second Draft of report of the review ECE/EB.AIR/WG.#/##	January 2022
EB 42 (Dec 2022)	Final report of review adopted/Conclude the Review	September 2022

GPG Members

- *Chair:* Kimber Scavo
- *WGSR Bureau:*
Peter Meulpas, Dominique Pritula, Till Spranger, Donna Yates
- *WGE & EMEP SB Chairs:*
Isaura Rabago, Laurence Rouil
- *Invited experts:*
Richard Ballaman, Noe Megrelishvili
- *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