



UNECE's Air Convention Gothenburg Protocol Review

April 2022

Working Group on Strategies and Review
Gothenburg Protocol Review Group



Timeline

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

Documents for Gothenburg Protocol Review

- **GP Review Report Draft #1 (official): EB 41**
- **Supplementary Information (informal): EB 41**
- **Nontechnical Measures Paper (informal): EB 41**
- **GP Review Report Draft #2 (official): WGSR60**
- **WGSR Task Force Reports (official & informal reports): WGSR60**
- **Draft Flexibility Document (official): WGSR60**
- **Synergies Paper (informal): WGSR60**
- **Methane options paper (informal) WGSR60**
- **Technical report on North America AQA (informal): 2022**
- **Annex I - Scientific background (informal/official): EMEP/WGE8**
- **Annex II - Technical & Policy background (official): (WGSR HoD)/EB42**
- **Final Review Report + Annex I & II (official): EB42**
- **Flexibility Document final (official) : EB42**
- **WGSR60 Report & EMEP/WGE8 Report: EB42**
- **Post-EMEP/WGE Session Document (scenarios): WGSR HoD/EB42**
- **WGSR HoD Report (informal): EB42**

Draft 2: Report on the Review

- **Emissions:** Section is being revised for final draft: emissions info in chapter IV will be moved to emissions chapter III
- **Concentrations and deposition levels: Section will include changes since Draft 2.** Trends, ozone increase in background baseline, only modest reductions in NH₃, CLs exceedances, [need exploration of new models to assess biodiversity], remaining risks to crops and forests; assessment if monitoring and modelling system is fit for purpose to be added with help of WGE and EMEP
- **Emission reduction commitments:** Good progress with variation among Parties; some delayed implementation, need more progress on NH₃ commitments, some emissions increase for non-parties
- **Adjustment procedure:** 2010 fixed targets transition to 2020 relative targets reduce need for procedure post-2022
- **Condensables:** policy implications of including for PM reporting & science challenges

Draft 2: Report on the Review

- **ELVs, technical annexes & guidance documents:** TFTEI conducted in-depth analysis; Annex IX/associated guidance documents need to be updated
- **Sector approaches:** significant sources & priority areas
- **BAT/Non-technical/EE measures:** Merge with above 2 sections?
- **Flexibility:** preliminary key findings and conclusions, possible recommendations
- **Convention parties that are not Parties to the GP:** awareness, monitoring, national action plans

Draft 2: Report on the Review

- **Canada and the United States:** Air Quality Agreement; and other information/pollutants not covered by the AQA
- **Hemispheric Transport:** increases in global methane are expected to offset projected NO_x and NMVOC emission reductions expected under the GP
- **Integrated MP/ME approach:** may merge with other sections for Final draft
- **Synergies with other policy areas:** Will be updated per WGSR60 discussion on informal document. Addresses interactions with climate change, energy, transport, agriculture and nitrogen management policies.
- **Progress on objectives:** GAINS calculations available mid-April; requested information from Parties on key articles
- **Conclusions:** will be included in Final Draft

Timeline & process for submitting additional input

- In-person GPG meetings at margins of WGSR60
- Updated scientific and technical input (key messages) for Annex I due 3 June 2022 (*to Secretariat by co-chairs by 13 June*)
- Updated technical and policy input for Annex II from Parties due 3 June 2022
- Final draft of review and its annexes will be submitted by official deadline 9 Sept 2022 for EB42
- Annex I version submitted 9 Sept discussed at EMEP/WGE8 (*12-16 September 2022*); updates will be included in informal documents or EMEP/WGE report
- Advance copy of the final draft of Review & Annex II will be discussed at the WGSR HoD (*26-30 September 2022*)
- Final Draft discussed and final edits made at EB42 (*12-16 December 2022*)

Flexibility

- Ratification and implementation of the GP is a priority
- Paragraph 50 of the LTS calls for the review to include a reflection on the flexibility provisions included in the amended version of the Gothenburg Protocol and their effectiveness
- In-person thematic session on flexibilities in the current GP protocol, barriers to ratification and implementation and ways forward is scheduled for the 26-30 September WGSR HoD Meeting
- Flexibility Questionnaire 11 responses received
- Official document and informal compilation of responses on the website (*See separate presentation by GPG*)
- GPG recommends that we prepare an informal document to supplement the materials for the thematic session on barriers to ratification and implementation
- Key findings from the thematic session will be shared with EB42 and incorporated in the Review

Submitting Comments

- Final Draft: Submit to Secretariat and copy GPG Chair (scavo.kimber@epa.gov) by 3 June
- Annex I: Continue to submit to EMEP/WGE Co-chairs by 3 June (Laurence.ROUIL@ineris.fr & isaura.rabago@ciemat.es)
- Annex II, Synergies paper, Methane options paper, Flexibility document: Submit to Secretariat and copy GPG Chair (scavo.kimber@epa.gov) by 3 June

GPG Members

- *Chair:* Kimber Scavo
- *WGSR Bureau:*
Till Spranger (WGSR Chair), Peter Meulepas, Dominique Pritula, 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