

Adjustment review under EMEP

Formal outcome of the 2021 review

(ECE/EB.AIR/GE.1/2021/10–ECE/EB.AIR/WG.1/2021/21)

Seventh joint session of the EMEP Steering Body and the Working
Group on Effects

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Katarina Mareckova, Robert Wankmüller, Sabine Schindlbacher

Adjustments under the GP 1999

- ▶ Parties may apply to adjust their emission reduction commitments or inventory data in **extraordinary circumstances**, as defined in the EMEP Executive Body decisions 2012/3 and 2012/4 (ECE/EB.AIR/111/Add.1) and *amended by EB decision 2014/1*.
 - ▶ (a) **Emission source categories** are identified that were not accounted for at the time when the emission reduction commitments were set;
 - ▶ (b) **Emission factors** used to determine emissions levels for particular source categories for the year in which emissions reduction commitments are to be attained are significantly different than the emission factors applied to these categories when emission reduction commitments were set;
 - ▶ (c) **The methodologies** used for determining emissions from specific source categories have undergone significant changes between the time when emission reduction commitments were set and the year they are to be attained.

Adjustments under the GP 1999

- 1. CEIP organised the review** by setting up the review teams, preparing data for reviewers and updated templates for the reviewers.
- 2. CEIP stores latest reported information and supports review teams via password protected “Clever Workspace” platform hosted by Environment Agency Austria**
 - ▶ **2 new submitted adjustment and**
 - ▶ **10 Parties (> 35 cases) adjustments approved prior 2021**
 - ▶ **Hungary did not report adjustment in 2021**
- 3. The 2021 adjustment review** was performed in parallel with the Stage 3 review.
 - a. Desk Review April – June
 - b. Harmonization with review process under EU/NECD
- 4. 8 sectoral experts plus 2 lead reviewer** assessed submitted adjustments and completed relevant documentation.

Recommendations of ERT to EMEP SB (1)

Adjustments approved **prior 2021**

- ▶ The adjustments reported by 10 countries **Belgium, Czechia, Denmark, Finland, France, Germany, Luxembourg, Netherlands, Spain and Great Britain prior to 2021** refer to **NO_x, NMVOC and NH₃ emissions** for various NFR sectors (prevalingly Road transport and diverse Agriculture categories).
- ▶ The ERT assessed the reported data and concluded that the adjustments met all of the requirements laid out in EB decision 2012/12 and in the Technical Guidance, and therefore recommended that the EMEP Steering Body **ACCEPT** all of the adjustments as reported by countries Belgium, Czechia, Denmark, Finland, France, Germany, Luxembourg, Netherlands, Spain and Great Britain.
- ▶ Detailed information on each reported adjustment may be found in [chapter IV and Table 5](#) of the *Adjustment status report*.
(ECE/EB.AIR/GE.1/2021/10–ECE/EB.AIR/WG.1/2021/21)

Recommendations of ERT to EMEP SB (2)

NEW CZ Adjustment application received in 2021

- ▶ The NH₃ adjustment applications for sectors 3B and 3D / year 2015 submitted by the Czechia has been assessed.
- ▶ The ERT determined that additional information was needed and the Party provided the requested information during the review.
- ▶ The ERT recommended Czechia to withdraw NH₃ adjustment applications at this stage, to carry out the necessary analysis and subject to the results, apply for adjustments including all the supporting documentation required by the Directive in the next submission. The ERT noted that an application for an adjustment should only be made, if it can be expected to result in compliance with the emission ceiling.
- ▶ Czechia addressed “Withdrawal of the Application for Adjustment of the NH₃ Emission Inventories” to UNECE by 05.08.2021 so it could be not reflected in the Status report. The review team recommends EMEP SB to accept withdrawal of this adjustment (NH₃ /3B, 3D/ 2015).

Recommendations of ERT to EMEP SB (2)

NEW FR Adjustment application received in 2021

- ▶ The ERT reviewed and evaluated the documents submitted by France and determined that additional information was needed. Party provided the requested information during the review.
- ▶ The ERT is of the view that the application for adjustment meets the criteria as outlined in the Directive. The ERT therefore recommends that the EMEP Steering Body **ACCEPT** this adjustment application from France.

Reasons for adjustment application (Decision 2012/3, para 6)	Implementation of new emission sources that were not known when the ceilings were set.
Pollutant for which adjustment is applied for	NMVOC and NO _x
Sector/Pollutant for which adjustment is applied for	Manure Management (NFR 3B) and agricultural soils (NFR 3D)
Year(s) for which inventory adjustment is applied	NMVOC: 2010-2014 NO _x : 2010-2018
Date of notification of adjustment to the Secretariat	14 February 2021
Date of submission of supporting documentation	16.3.2021

Information on CEIP website

➔ <https://www.ceip.at/gothenburg-protocol/review-of-adjustments>

Adjustments 2021

Two Parties (**CZ,FR**) submitted a new adjustment applications in 2021. **Ten Parties** (BE, CZ, DK, ES, FI, FR, DE, LU, NL, UK) reported approved adjustments. The review of all submitted adjustments was performed during April/June. Hungary did not report adjustments in 2021. Recommendations of the expert review team (ERT) to the EMEP Steering Body (SB) are summarized in form of Status report (under preparation).

Party	Application	Approved	Other	Review Report
BELGIUM	NA	Annex_VII	Additional_Information	NA
CZECHIA	Application	Annex_VII	Additional_Information	
DENMARK	NA	Annex_VII	Additional_Information	NA
FINLAND	NA	Annex_VII	Additional_Information	NA
FRANCE	Application	Annex_VII	Additional_Information	
GERMANY	NA	Annex_VII	Additional_Information	NA
HUNGARY	NA	NA	Additional_Information	NA
LUXEMBOURG	NA	Annex_VII	Additional_Information	NA
NETHERLANDS	NA	Annex_VII	Additional_Information	NA
SPAIN	NA	Annex_VII	Additional_Information	NA
UNITED KINGDOM	NA	Annex_VII	Additional_Information	NA

Reporting of approved adjustments

Select country: **ALL** [BE](#) [CZ](#) [DE](#) [DK](#) [ES](#) [FI](#) [FR](#) [GB](#) [HU](#) [LU](#) [NL](#)

Select submission year: **ALL** [2014](#) [2015](#) [2016](#) [2017](#) [2018](#) [2019](#) [2020](#) [2021](#)

Select pollutant: **ALL** [NH3](#) [NMVOC](#) [NOx](#)

Adjustment Applications for ERCs in 2022

- There are 24 Parties that accepted revised Gothenburg Protocol¹
- A substantial number of Parties that have accepted the amended Gothenburg Protocol could be in non-compliance with ERCs for 2020 (reporting due in 2022)
- Depending on the definition and if the analysis is based on data reported in 2021 for 2019 or on 2020 projections (partly reported in previous years) the expected numbers are

¹ https://treaties.un.org/Pages/ViewDetails.aspx?src=TREATY&mtdsg_no=XXVII-1-k&chapter=27&clang=en

Pollutant	Number of Parties potentially in non-compliance
SO _x	1
NO _x	5 to 10
NH ₃	8 to 14
NMVOC	6 to 12
PM _{2.5}	4 to 5

Adjustment Applications for ERCs in 2022

- The special circumstances in spring 2020 (long lock-downs) could lower the number of Parties in non-compliance in 2020
- Parties that are in non-compliance can submit an adjustment application if they are in one of the **extraordinary circumstances**, as defined in the EMEP Executive Body decisions 2012/3 and 2012/4 (ECE/EB.AIR/111/Add.1)
- Based on previous experience a substantial number of adjustment applications can be expected for the next years
- During the review the expert review team raised questions on the review of adjustments from 2022 onwards and agreed that, to ensure a consistent process, *there is a need to provide additional guidance for reporting and also for review of adjustment applications* from 2022 onwards.

Review of Adjustment Applications in 2022

- ▶ There are 5 Parties that have accepted the original Gothenburg Protocol but not (yet) accepted the amended Gothenburg Protocol Belgium (Belgium, France, Hungary, North Macedonia, Slovenia)
 - ▶ If these Parties want to submit adjustment applications for 2020 they will do so under the Emission Ceilings
 - ▶ The review has to be prepared for adjustment applications under emission ceilings and emission reduction commitments
- ▶ CEIP wants to remind Parties that reviewing adjustment applications submitted for the first time is a **resource demanding activity**
- ▶ Thus Parties have to **provide a sufficient number of review experts** for the adjustment review process
- ▶ If not enough reviewers are provided by Parties the review of adjustment applications cannot be performed

Thank you

EMEPA Centre on Emission Inventories and Projections

EMEPA Centre on Emission Inventories and Projections

is responsible for coordinating the emission related work of EMEPA and contributes to the scientific assessment of air pollution throughout the ECE region and to the evaluation of the implementation of the Protocols of the Convention.

More information:
<https://www.ceip.at/gothenburg-protocol/adjustments>

Contact:
Katarina.mareckova@umweltbundesamt.at
emep.emissions@umweltbundesamt.at

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