



# Aligning reviews under NECD and CLRTAP

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# 1. Introduction

- Review of national emission inventory data under new NECD
  - Article 10(3) of new NECD
- Review of adjustment applications under new NECD
  - Article 5(6) of new NECD
- Review of national emission inventory data and adjustment applications under CLRTAP
  - Stage 3 in-depth reviews  
see: [http://www.ceip.at/ms/ceip\\_home1/ceip\\_home/review\\_process/](http://www.ceip.at/ms/ceip_home1/ceip_home/review_process/)
  - Review adjustment applications  
see: [http://www.ceip.at/ms/ceip\\_home1/ceip\\_home/adjustments\\_gp/](http://www.ceip.at/ms/ceip_home1/ceip_home/adjustments_gp/)

## 2. Context – legal background for reviews under NECD

Article-N°	Relevance	Frequency/-dates
5(6)	Review of adjustments (flex)	Annual reporting and review
10(1)	Review of projections <sup>¶</sup> (as part of NAPCP examination)	Reporting projections is every 2 years (2017, 2019, 2021, 2023, ...) <sup>¶</sup> Reporting NAPCP/updates is every 4 years (2019, 2023, 2027, ...) <sup>¶</sup> Examination of NAPCP (including projections) is every 4 years (not necessarily in the same year of reporting)
10(3)	Review of national emission inventory data	Reporting of national emission inventories is annual; review is regular <sup>¶</sup> Reporting of gridded data is every 4 years (2017, 2021, 2023, ...); review is regular
11(1)(d)	Reference to article 10(1)	Due to the deadline of 1 April 2020 the examination of the first NAPCPs (including projections) must be carried out in 2019
13(3)	Review of Hg national emission inventories	Deadline for reviewing Directive is 31 December 2025 <sup>¶</sup> Review of Hg inventories is regular (under article 10(3))

## 2. Context – draft 'first review cycle' under NECD

Year	Tasks
2017	<ul style="list-style-type: none"> <li>(i) Review of national emission inventories of SO<sub>2</sub>, NO<sub>x</sub>, PM<sub>2.5</sub>, NH<sub>3</sub> and NMVOC</li> <li>(ii) Review of 2017 NECD adjustment applications</li> </ul>
2018	<ul style="list-style-type: none"> <li>(i) Follow-up to 2017 review of national emission inventories of SO<sub>2</sub>, NO<sub>x</sub>, PM<sub>2.5</sub>, NH<sub>3</sub> and NMVOC</li> <li>(ii) Initiate review of national emission inventories of POPs and HM (focus on completeness)</li> <li>(iii) Review of 2018 NECD adjustment applications</li> </ul>
2019	<ul style="list-style-type: none"> <li>(i) Complete review of national emission inventories of POPs and HM</li> <li>(ii) Review of 2019 NECD adjustment applications</li> <li>(iii) Review (examination) of national air pollution control programmes (including projections)</li> </ul>
2020	<ul style="list-style-type: none"> <li>(i) Follow-up to 2019 review of national emission inventories of POPs and HM</li> <li>(ii) Review of national emission inventories of CO, PM<sub>10</sub> and BC</li> <li>(iii) Review of 2020 NECD adjustment applications</li> </ul>
2021	<ul style="list-style-type: none"> <li>(i) Follow-up to 2020 review of national emission inventories of CO, PM<sub>10</sub> and BC</li> <li>(ii) Review of national emission inventories of gridded data reported in 2021</li> <li>(iii) Review of 2021 NECD adjustment applications</li> </ul>



## 2. Context – background for reviews under EMEP

- Three staged approach for reviews of emission inventory data
  - Stage 1 and 2 reviews: annual checks
  - Stage 3 reviews: in-depth reviews
- EMEP review guidelines for technical review of emission inventories
  - Revised 'Methods and Procedures' document: scheduled for adoption by EMEP SB in 2017.
- Relevant elements from Stage 3 reviews wrt aligning with EU reviews under NECD
  - Stage 3 reviews: follow a desk / centralized review approach
  - Stage 3 reviews: focus on SO<sub>2</sub>, NO<sub>x</sub>, NH<sub>3</sub>, PM<sub>2.5</sub> and NMVOC
  - Stage 3 reviews: focus on key categories
  - Stage 3 reviews: frequency = every 5 years; gridded/LPS data = every 4 years
- EMEP reviews of adjustment applications are desk reviews
  - EB guidance (also applicable for NECD reviews)

### 3. Disadvantages and risks of separate reviews

➤ Duplication of work

- Inefficient use of scarce resources
- Capacity issues (availability of experts)

➤ Different outcomes of the two review processes

- Different TC, recommendations
- Inconsistencies in reporting and compliance
- In case of different outcomes on same issues, then priority to mandatory EU outcomes (making EMEP reviews ineffective)

## 4. Advantages and risks of aligning/cooperation

- Reduce duplication of work
  - Reduce inefficient use of resources
  - Address capacity issues
- Free resources that could be allocated elsewhere
  - Divert saved resources to e.g. capacity building on EI from EECCA countries (to improve quality of EI, required for a meaningful accession of these countries to the revised GP)
- Avoid different outcomes of the two review processes
- Risk: loss of autonomy
  - More dependency – the EU seen as 'reviewing its own'



## 5. Relevant issues for aligning/cooperation

- Harmonization of review guidelines, including on TC
- Joint training workshops for common understanding
- Aligning frequencies of reviews
- Aligning timing of reviews
- Aligning scope of reviews
- Sharing of information – different ways - confidentiality issues
- Mandatory versus less binding character of recommendations
- Timing of new updates of EMEP/EEA Inventory Guidebook
- Retaining sufficient independency in review

## 6. Approaches for aligning/cooperation

- Approaches can depend of type of data/pollutants (...) to be reviewed
  - Aligning / cooperation for IDR of MS' EI of main pollutants ( $\text{SO}_2$ ,  $\text{NO}_x$ ,  $\text{PM}_{2,5}$ ,  $\text{NH}_3$  and NMVOC) for period 2017-2018 (2<sup>nd</sup> EMEP stage 3 review cycle) (AT, FI, MT)
  - **Aligning / cooperation for IDR of MS' EI of main pollutants ( $\text{SO}_2$ ,  $\text{NO}_x$ ,  $\text{PM}_{2,5}$ ,  $\text{NH}_3$  and NMVOC) for period 2019-2023 (3<sup>rd</sup> EMEP stage 3 review cycle) (all MS)**
  - Aligning / cooperation for IDR of MS' EI of other pollutants (POP, HM,  $\text{PM}_{10}$ , TSP ..)
  - Aligning / cooperation for IDR of MS' EI of gridded data and LPS data
  - Aligning / cooperation for review of MS' adjustment applications
- Approaches for aligning/cooperation on IDR 2019-2023 (main pollutants)
  - EMEP stage 3 reviews before EU IDR.
  - EMEP stage 3 reviews after EU IDR
  - EMEP stage 3 reviews simultaneously with EU IDR in (i) 2022 or (ii) 2019-2023
  - Other (no duplication, no aligning, ...)



## 7. Proposed way forward and preferred option

### i. Way forward

- a. Paper was presented at TFEIP meeting in Krakow (May 2017) and subsequently revised
- b. Revised paper submitted to EMEP SB for discussion at its session in September 2017
- c. Based on outcome of EMEP's discussion, submit recommendation to EB for discussion and possible adoption at its session in December 2017

### ii. Preferred option

- a. Aligning EU in-depth review programme on main pollutants with EMEP 's 3<sup>rd</sup> stage review cycle, where EU reviews would precede EMEP's reviews and EMEP would as such be able to profit from improved inventories from EU MS
- b. Stronger integration of EU and EMEP's review activities can further be explored at a later stage



**Thanks for your attention**

**Thank You**

