

# Update on emission reporting

*TFEIP meeting, 15 Mai 2024, Dessau, DE*

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# Status of reporting – update in progress

- 49 inventory submissions
  - Missing: Bosnia and Herzegovina and Republic of Moldova
- 46 Informative Inventory Reports
  - Missing: Azerbaijan, Belarus, Bosnia and Herzegovina, Kyrgyzstan and the Republic of Moldova
- 44 full time series (1990/2000 to 2022)
- 41 Black Carbon Inventory Submissions
- 4 Gridded/LPS datasets
- 7 Projection datasets
- 4 approved adjustments / 2 new adjustment application

## The condensable component of PM emissions

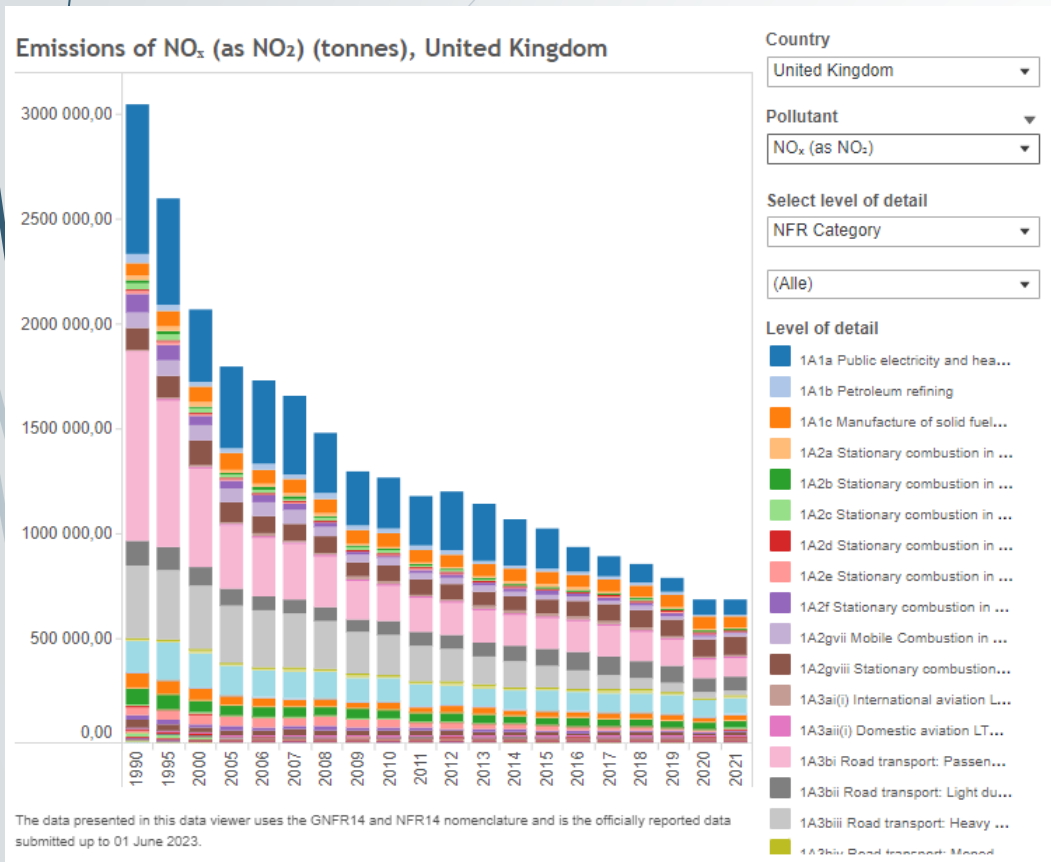
- 22 Parties reported information on the inclusion of the condensable component in PM emissions
- Data source for PM emissions in GNFR C used in EMEP models in 2023

Country	Data source to be used for GNFR C	Country	Data source to be used for GNFR C
Albania	CEIP- gap-filled	Latvia	CEIP- reported by Party
Armenia	CEIP- gap-filled	Liechtenstein	CEIP- gap-filled
Austria	REF2	Lithuania	REF2
Azerbaijan	CEIP- gap-filled	Luxembourg	REF2
Belarus	REF2	Malta	CEIP- reported by Party
Belgium	CEIP- reported by Party	Monaco	CEIP- reported by Party
Bosnia & Herzegovina	REF2	Montenegro	REF2
Bulgaria	CEIP- reported by Party	Netherlands	CEIP- reported by Party
Croatia	CEIP- gap-filled	North Macedonia	CEIP- reported by Party
Cyprus	CEIP- reported by Party	Norway	CEIP- reported by Party
Czechia	CEIP- reported by Party	Poland	CEIP- reported by Party
Denmark	CEIP- reported by Party	Portugal	CEIP- reported by Party
Estonia	REF2	Republic of Moldova	REF2
Finland	CEIP- reported by Party	Romania	CEIP- reported by Party
France	CEIP- reported by Party	Russian Federation	REF2/CEIP
Georgia	REF2	Serbia	CEIP- reported by Party
Germany	REF2	Slovakia	CEIP- reported by Party
Greece	CEIP- reported by Party	Slovenia	CEIP- reported by Party
Hungary	CEIP- reported by Party	Spain	CEIP- reported by Party
Iceland	CEIP- reported by Party	Sweden	CEIP- reported by Party
Ireland	CEIP- reported by Party	Switzerland	REF2
Italy	CEIP- reported by Party	Türkiye	CEIP- gap-filled
Kazakhstan	REF2/CEIP	Ukraine	REF2
Kyrgyzstan	CEIP- gap-filled	United Kingdom	CEIP- reported by Party

# Interested in emission data?

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Improvement: NFR categories added to the CEIP dataviewer



Updates planned for June

<https://www.ceip.at/webdab-emission-database>

## Search for officially reported emission data

Please select the countries or areas and years as well as the data format, then press the "Search" button. Choose the items from the listboxes by clicking the left mouse button. For multiple selection hold the Ctrl or Strg key pressed.

**Countries / Areas**  
ALL  
EU-27 (per country)  
-----  
Albania  
Armenia

**Years**  
2050  
2030  
2025  
2019  
2018

Reported until 2021

## Select output format

- National Totals/Sectors, HTML  
 National Totals/Sectors, Semicolon-Separated (CSV file)

Search (opens in new tab)

# Reporting and review of adjustments

Country	Date	Pollutant	Sector	NFR Code	Years	First submitted in
Czechia	25.04.2024	NH3	Agriculture	3Da1	2005, 2020 to 2022	New
Denmark	19.02.2024	NMVOC	Agriculture	3B1a	2005, 2020 to 2022	2022
Denmark	19.02.2024	NMVOC	Agriculture	3B1b	2005, 2020 to 2022	New
France	09.02.2023	NMVOC	Agriculture	3B, 3D	2005, 2020 to 2022	2022
Netherlands	14.02.2024	NMVOC	Agriculture	3B1a	2005, 2020	2022
United Kingdom	14.03.2024	NH3	Agriculture	3Da2c	2005, 2020 to 2022	2022

Should there be questions concerning the adjustments countries will be contacted in May/June

## Focus of the review in 2024

- ➔ **IPPU solvents** with a special emphasis on NMVOC emissions
- ➔ **gridded data** for the sector IPPU-solvents
  - ➔ review of **47 Parties**
  - ➔ **20 reviewers** from 17 different Parties
  - ➔ travel/accommodation for eight experts from the Western Balkan and the EECCA region was financed via two EU funded projects

# Time line in-depth review 2024

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Date	Action	Comment
15 April to 10 May	Desk Review	During this period the Technical Expert review team will send questions to the Parties.
10 May to 28 May	Parties answer to review questions	This period is reserved for National Inventory Experts to provide answers to the Technical Expert Review Team.
3 June to 7 June	Centralized Review <u>in Vienna</u>	During this period the Technical Expert review Team might send follow-up questions to the answers of the National Inventory Experts. Also a few additional questions might be sent.
June/July	Commenting of the Draft Review Reports	The Parties will be given four weeks time to comment on their draft Review Report.

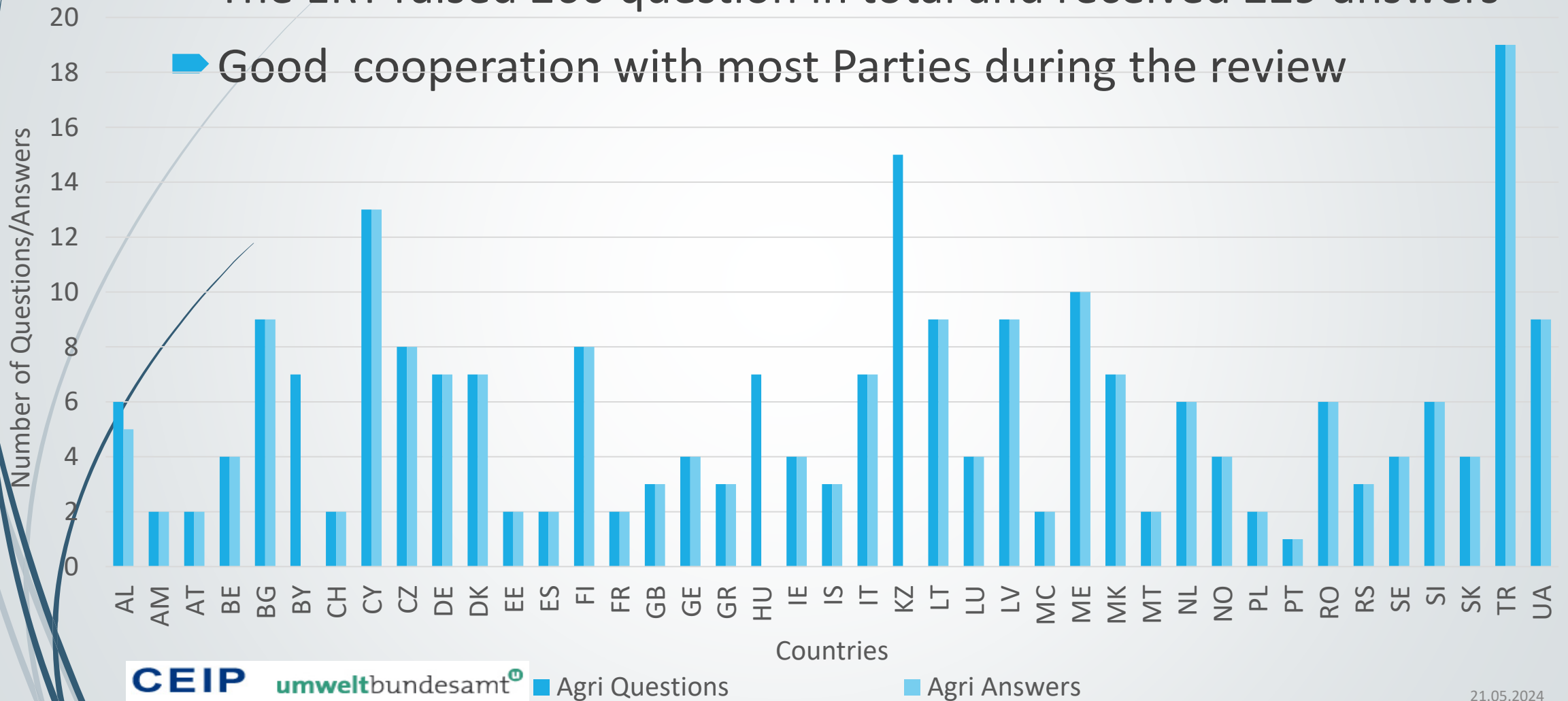


# Overview of Q & A during the 2023 S3 Review

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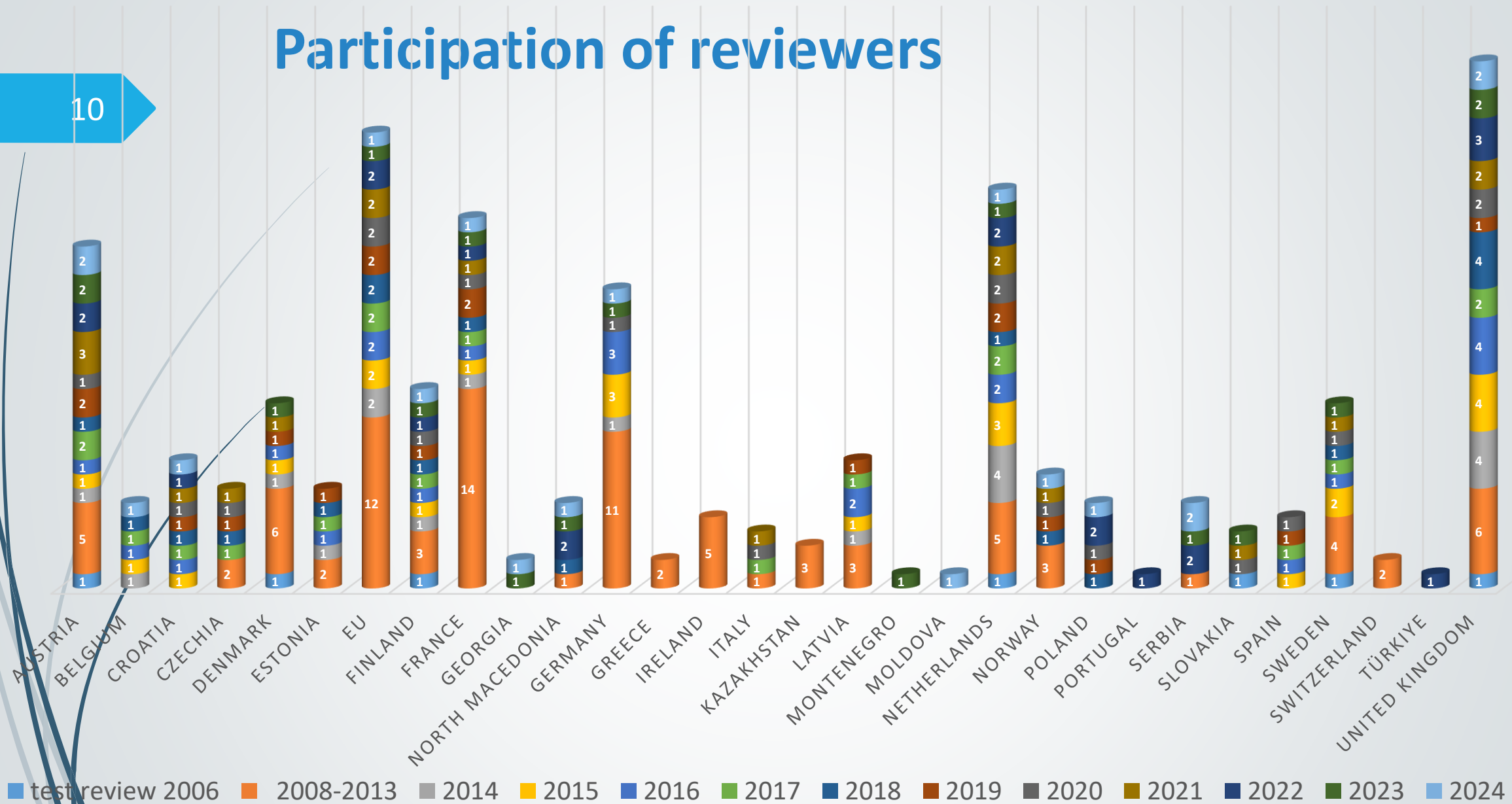
▶ The ERT raised 260 question in total and received 229 answers

▶ Good cooperation with most Parties during the review



# Participation of reviewers

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## Annual in-depth review – 2025 to 2026

- ▶ The Steering Body and the Working Group approved the plan for the ad hoc (in-depth) reviews for the years 2025 to 2026:
  - ▶ 2025: Review of **projections** with clearly defined scope
  - ▶ 2026: Review of the **transport sector** with a special focus on NO<sub>x</sub>, NMVOC, CO, PM, BC, Pb, Cd and Dioxin/Furan emissions; including gridded data

## Annual technical in-depth review of submitted inventories – 2027 and beyond

- ▶ the “sectoral” approach is well accepted by the reviewers
- ▶ possibility to meet and discuss with other sector experts
- ▶ **keep the “sectoral” approach**
- ▶ further **strengthening the capacity building component** of the review

## Annual technical in-depth review of submitted inventories – 2027 and beyond

- quality of the inventories is very different between countries
- good use of resources to review countries with very good inventories while there are still many inventories where substantial improvements are needed?
- Only review inventories where significant improvements are needed?

# Only review inventories where significant improvements are needed?

+

- ▶ review team would have more time to review inventories that need major improvements
- ▶ overall the quality of EMEP wide estimates would improve more **IF** the Parties implement the recommendations of the review team
- ▶ the review team would have more time to calculate **technical corrections**, which is a direct help for the national inventory compilers

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- ▶ need to choose countries – this needs to be well justified
- ▶ as the reported emission estimates are used for compliance checks the estimates from all countries should at least be checked sometimes
- ▶ countries with advanced inventories contribute a lot to the review by sending experts. It is possible that they would send less experts.

## CEIP activities and workplan

Work Plan Item	Activity description
1.1.1.4 and 1.1.2.3	Contribute to work on condensables
1.1.2.1	Investigate practicalities and processes required for including CH <sub>4</sub> in annual emissions inventory reporting
1.1.2.4	Develop guidance on estimating and Party's reporting of emissions of BC
1.1.2.5	<b>Improve spatial distribution of emissions</b> , assuring consistency across pollutants. Explore new data sources
1.1.2.6	<b>Improve data for modellers</b> : comparison of EMEP gridded emissions with other sources (CAMS, GAINS, EDGAR, Fairmode)
1.1.2.8	Refine gap-filling of reported shipping emissions
1.1.2.9	Improve <b>methods for gap-filling</b> of HM and POPs data sets
1.3.8	Cooperation with Arctic Council and AMAP

# Contact and Information

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