

TFEIP – Progress and Plans 2022 Extended Bureau



TFEIP co-chairs: Chris Dore, Martin Adams and Kristina Saarinen

1. Work Completed since SB2021



Formed an ad hoc group to update the 2014 Reporting Guidelines *

Proposed updated projections reporting template *

Updated Technical Guidance

- Technical Adjustments (within an ERC framework) *
- Emissions from solvents

Contributions to GP Review discussions, condensables group etc, and documents provided where appropriate

TFEIP meeting 2022 (online) and Newsletters

2 TFEIP Management

TFEIP

Changes to TFEIP's expert panel leads

Co-chair of the Combustion & Industry EP

- Kristina Juhrich (DE)

Formation of a new Waste Panel, and Chair

- Celine Gueguen (FR)

User Engagement Co-ordinator

- Jeroen Kuenen (NL)

Change at CEIP

- Katarina Mareckova retired - her past contributions to TFEIP were warmly acknowledged by the task force

3. Updating the EMEP/EEA Guidebook



Priority activity

**Plan: Technical agreement by TFEIP (May 2023)
Adoption by EMEP SB (Sept 23)**

- Work to be undertaken across the second half of 2022 and early 2023
- Focus on updating rather than fundamental changes. TFEIP has prioritised update needs (dependent on resources)
- General needs identified include:
 - Improved methods that account for changes in temperature
 - Regionally specific EFs (where appropriate/possible)

3. Updating the EMEP/EEA Guidebook



Priorities in: Combustion & Industry General

- Avoid inappropriate use of Tier 1 methodologies

2D3 (solvents)

- Develop the Tier '1.5' methodologies for solvents
- Update chapters with new information e.g. from ESIG

1A4 (small combustion)

- Develop improved guidance that accounts for e.g. burning conditions and new research

Heavy metals and POPs

- Many EFs have not been revisited for a long time.

3. Updating the EMEP/EEA Guidebook



Priorities in: Transport Non-road mobile machinery

- Need field campaigns to collect fleet size, fleet stratification, and operation patterns
- Need emission measurements with PEMS

Shipping

- Little/no information on new technologies and fuels

Non-exhaust PM and electrified vehicles

- Some work being funded by EEA & JRC.
- Need more certain EFs for brakes and understanding of tyre/road interactions

3. Updating the EMEP/EEA Guidebook



Priorities in: Agriculture

NH₃ emissions from crops and crop residues

New methodology for crops probably not possible, but crop residues should be OK.

NH₃ emissions from manures

Development is needed, but unlikely to be in this update.

NH₃ emission from synthetic fertilisers

Should be completed in time.

Excel tool, transparency of text and Appendices

Decision needed about future of current excel tool. General improvement of text/readability.

3. Updating the EMEP/EEA Guidebook



Priorities in: Waste Landfill

Update Tier 1 as recommended during ESD Reviews
Define more clearly associated AD for PM emissions

Incinerators

Update EFs for incinerators
Include information about not subtracting the confidence interval

Open burning of waste, building fires

Better methods for open burning of waste, landfill fires etc.

Wastewater treatment

Update the EFs from wastewater treatment plants

4. Other Priority Tasks



Technical guidance for emission inventory adjustments *

- Drafted in response to the Executive Body request to EMEP Steering Body to support Parties wishing to use adjustments to demonstrate compliance with the emission reduction commitments in the amended Gothenburg Protocol (ECE/EB.AIR/148, para. 13 (b))

*** For approval by the EMEP Steering Body**

4. Other Priority Tasks



Proposed update of 2014 Emission & Projections Reporting Guidelines *

- The proposed guidelines recommended for reporting from Feb 2023 onward
- Relatively minor update: 'tidying up', corrections – a future larger update is expected once a revised Gothenburg text is agreed (addressing pollutants, frequency of reporting...)

Annex IV Projections reporting template *:

- Updated template proposed for use from 2023 onward.

*** For approval by the EMEP Steering Body**

4. Other Priority Tasks: Review of the GP



Continue to contribute to technical discussions and documents as requested.

Contribute to the review of flexibility mechanisms if it is helpful/of relevance (WGSR-lead).

4. Other Priority Tasks: Condensables



Condensables

- TFEIP making contributions to the ad hoc group on condensables as/when requested.

4. Other Priorities: Reflect on future inventory reporting



TFEIP will draft a working paper indicating its views on future emissions reporting to support initial thinking for a new GP e.g.:

- **Mandatory vs voluntary** reporting – pollutants
- **What PM & BC metrics** should be used?
- **Report emissions by fuel** as well as source?
- **Continue LCP & gridded data reporting?** Still needed?...

Current indications are that inventory teams are not supportive of any increased reporting burdens

**Thank-you to
everyone who
contributes to the
TFEIP**



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European Environment Agency



Department
for Environment
Food & Rural Affairs



Key points:



EMEP/EEA Guidebook update 2023 is the main focus of work. EMEP support is welcomed via:

- i. **Volunteers and/or national contributions** e.g. feed in recent national studies/emission measurement campaigns...
- ii. Longer term: support **resource allocation via EMEP funds** (as done with models)

For approval by the EMEP SB & forwarding to the EB:

- i. Proposed update of **Reporting Guidelines** (and **projections template**)
- ii. Additional technical guidance for inventory **adjustments**