



TFEIP/EIONET 2018 Joint meeting - Conclusions

Notable decisions are highlighted in **Blue**.

The TFEIP held its annual meeting jointly with the EEA EIONET network on 25-27th April 2018 in Sofia, Bulgaria. The meeting was well attended, with a total of 123 participants, representing over 48 countries.

The co-chairs were pleased to note good discussion on a number of topical issues, and preparation for the forthcoming updates to the EMEP/EEA Emissions Inventory Guidebook.

Introductory Session – The co-chairs warmly thanked the Executive Environment Agency and the Ministry of Environment and Water of Bulgaria for hosting the meeting. Dr Valerie Serafimov, the Executive Director of the Agency, gave a welcome speech.

Martin Adams (TFEIP co-chair) presented information on behalf of the European Commission concerning developments under the National Emissions Ceiling Directive (NECD), particularly on the forthcoming 2019 reporting of National Air Pollution Control Programmes (NAPCPs), and the rolling programme of emissions inventory review.

The Commission's proposal to alter the approach to reporting and reviewing historic **NECD Adjustments** was discussed, namely that **adjustments need not be reported** or reviewed for historic years in situations where Member States **were in compliance in the most recent year**. Overall, the TFEIP supported the proposal, noting that it could lead to resource savings in countries. However, some Parties indicated that they might still wish to submit recalculated adjustments for historic years for transparency purposes. The importance of avoiding divergence of practices between NECD and CLRTAP adjustments reporting was noted. The TFEIP agreed the topic should be raised for discussion at the EMEP Steering Body in view of potential changes needed to CLRTAP decisions should alignment between CLRTAP and NECD adjustment submission and review procedures be considered useful.

Chris Dore (TFEIP co-chair) presented the latest information on activities within the LRTAP Convention, and the longer-term strategic planning that is being undertaken, including:

- strengthening the TFEIP's connections with the modelling community,
- continuing support for ECA countries in the ratification of the Gothenburg Protocol, and
- the development of methodologies to better address uncertainty.

The lack of dedicated EMEP funding for the Guidebook, as a core scientific activity being conducted within the framework of the Convention, was flagged as an anomaly within the CLRTAP. However, EMEP are in the process of a wide-reaching review of activities and priorities, and there may be opportunities for change.

Katarina Mareckova (CEIP) showed an overview of results from the latest reporting cycle, including the submission of gridded data according to the finer 0.1° × 0.1° resolution. There continue to be some Parties who are not reporting complete data submissions.

Tomoyuki Aizawa showed an overview of current UNFCCC activities, including the extensive resources that are available for greenhouse gas inventory review and the development of supporting tools.

Katarina Mareckova presented a draft proposal of an updated Annex I reporting template. The main initial discussion points were:

- **Excel** remains the preferred platform for the time being, mainly due to issues pertaining to resources, transparency and different abilities of countries to report using other systems. It was noted that there was interest in emissions reporting tools, and open source technologies could provide the basis of a viable option for future reporting.
- There was strong support for a generic template that can be used by EU Members States for **reporting under both CLRTAP and the NECD**, but without including national totals that specified CLRTAP or NECD.
- It was agreed that including emissions on a **fuel used basis** for road transport at the NFR level was an important revision, but that this might be included below the main Annex I table (as the main table is reserved for obligatory reporting) or reported in a separately submitted Annex I table.
- The proposed addition of voluntary reporting of **emissions by fuel type** was not supported.
- Whether the columns should represent years or pollutants was discussed, but there was no strong support for change. Both proposals have their respective benefits, from trend analysis to the identification of missing pollutants.

The TFEIP agreed to **form an ad hoc group** to refine the current draft Annex I template on behalf of the TFEIP, and report back progress by 1st August (ahead of the EMEP Steering Body Meeting). An invitation to participate will be sent to countries.

The TFEIP also requested that the EMEP Steering Body provide funding to support a future project that will develop and deliver **emissions reporting software/tool**. Such a tool might for example take advantage of new developments in information technology to help reduce the reporting burden for countries and the subsequent data handling and QA/QC procedures currently performed by CEIP.

The TFEIP Co-chairs presented the current programme of work and timetable for updating the EMEP/EEA Emissions Inventory Guidebook, which will update a number of selected chapters in time for endorsement at TFEIP2019. A strong request was made to TFEIP members to consider supporting the Guidebook update via contributions of working time over the coming months. Anyone able to provide time to assist with the update is kindly asked to contact one of the Chairs.

New Science and Inventory Developments - The following presentations were given:

- The Emissions Inventory of Turkey (Turkey)
- Recent developments in the UK inventory programme (UK)
- POPs & HM emission results for vehicles – Nordic study (VTT)
- EU initiative supporting action on BC in the Arctic (IIASA/CEIP)

Expert Panels -

Projections Expert Panel - The Projections Expert Panel met in plenary. The following presentations were given:

- The EEA National Air Pollution Control Programme reporting tool for reporting of selected information on policies and measures under the NECD (EEA)
- Compiling emission projections in Wallonia & Belgium (Belgium)
- Compiling emission projections in Croatia & preparing for the initial NAPCP (Croatia)

Combustion & Industry - The following presentations were given:

- PM emissions from quarries (CITEPA)
- New PM10 EF for handling of dry bulk agricultural products (RIVM)
- Web-based gridding tool, module for emissions distribution from residential sector (Co-Chair on behalf of JRC)
- BC emission measurement campaign in chimneys (CITEPA)
- Further possible updates of the small combustion chapters (TNO)

The **inclusion/exclusion of the condensables component** from small-scale combustion was discussed. The advantage of inclusion of the condensable component for the users was acknowledged and agreed, however it was found that in practice there are some difficult issues to overcome i.e. estimating EFs that include condensables for earlier years and deciding on the use of country specific EFs that are filterable only.

Support for updates to the EMEP/EEA Guidebook were requested.

Transport - The following presentations were given:

- Marine emissions: Regulatory developments & EFs (ETC)
- UK Shipping emissions inventory (UK)
- Nordic programme on developing emission inventories - especially POPs and HMs (VTT)
- New developments on road transport chapter (ETC)
- Recent emission factor and regulatory developments for GHG and air pollutant emissions in road transport (JRC)
- Feedback from the training on Emissions distribution methodology and introduction to EDGAR WEB-based gridding tool (JRC)

The new guidebook chapter for the aviation sector was discussed, and there remain some issues regarding missing aircraft types. It was agreed that road transport emission factors from the earlier Nordic study presented as part of the New Science and Inventory developments session should be incorporated into Guidebook update activities, alongside other emission factors for motorcycles, electrified vehicles, and non-exhaust PM. The allocation of emissions from combustion of engine lube oil was discussed, and it was proposed to allocate the emissions from 4-stroke engines from road transport, to NFR 2G (other product use: Use of Lubricants). This ensures alignment with the approach taken for GHG inventories, and will require a change to be included to the NFR reporting template as part of its planned update, and corresponding guidance in the EMEP/EEA Guidebook.

Agriculture & Nature - Analysis of measurement data for fertilisers and manures find unexplainable differences between studies, suggesting a need for standardisation of measurement methods

Revisions are planned for the following Guidebook chapters: **3B Manure Management, 3D Agricultural Soils and 5B2 Biogas Production**. These will take IPCC refinements into consideration, and a calculation tool will also be developed.

Progress has been made on developing the methodology for estimating emissions from 5B2 (biogas production) and **linking of N flows** to 3B (manure management) and 3D (emissions from soil).

A workshop is needed on direct NH₃ emissions from crops to find consensus before a methodology can be proposed for the Guidebook.

The need for methodologies for marine NH₃ emissions and indirect NO emissions will be reviewed.

The TFEIP agreed to recommend the adoption of the revised methodology for emissions of HCB (3Df). The changes will be incorporated in the 2019 guidebook update.

EIONET Session After an overview of EEA activities, presentations were given on:

- The EEA air pollution, industry and GHG factsheets (EEA)
- Shipping emissions - From emissions to policy (FMI)
- UK Shipping emissions inventory (UK)

Decisions and Close

The Expert Panel leaders reported back from their panel meetings.

All of the EPs will update their workplans by 31st May. The draft TFEIP workplan for 2018-2019 was presented and agreed. Draft conclusions from the meeting were presented and agreed.

The Co-chairs warmly thanked again the Executive Environment Agency to the Ministry of Environment and Water of Bulgaria for hosting the meeting, and their hospitality.

The Co-Chair also thanked the UK, Finland and the EEA for supporting the co-chairs of the TFEIP.

The meeting was then closed.