

Annual TFEIP Newsletter

Updating the EMEP/EEA Guidebook

As you probably know there have been activities to update a number of Guidebook chapters, and make an agriculture emissions “calculator”. The following chapters have been updated, and have also undergone peer review:

Part A: General Guidance Chapters

- 2 Key Category Analysis & Methodological Choice
- 3 Data Collection
- 4 Time Series Consistency
- 5 Uncertainties
- 6 Inventory Management, Improvement and QA/QC
- 7 Spatial Mapping of Emissions
- 8 Projections

3. Agriculture (and Waste) Chapters

- 3B Livestock management
- 3D Agricultural soils
- 5B2 Biogas generation

As the IPCC are currently undertaking their “2019 Refinement” and updating some methodologies and guidance, we will need to revisit some of the EMEP/EEA Guidebook chapters that we have updated to ensure that we retain consistency with the IPCC Guidelines. In addition, a small number of additional chapters are also being updated, including:

- 1.A.3.b.i-iv Road Transport
- 1.A.4 Small Combustion
- 2.A.5.a Quarrying and mining of minerals other than coal
- 3.D.f, 3.I Agriculture other including use of pesticides

All updated chapters will go through the TFEIP review process (March-April) prior to ahead of the TFEIP/EIONET annual meeting (13-14/15th May). The TFEIP will decide at its meeting whether to recommend adoption of the updated chapters. Our recommendations will be passed to the EMEP Steering Body. Assuming that they agree with our findings, we will “issue” updated chapters after the EMEP Steering Body Meeting (although technically they will only be formally accepted by the CLRTAP at the Executive Body Meeting in December).



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Special points of interest

- TFEIP Meeting to be hosted in Thessaloniki, Greece 13th-15th May, 2019



Additions to 2019 IIRs—Condensable PM

Just to remind you that the Executive Body of the CLRTAP has formally requested that Parties include new/additional information in their IIRs to describe their practices for reporting the condensable component of PM. The purpose is to provide transparent information that can easily be used by the modellers.

The TFEIP and CEIP have updated the IIR template (available http://www.ceip.at/reporting_instructions/annexes_to_guidelines/). There are two important changes:

- Parties are requested to include a table summarising whether PM EFs include or exclude the condensable component.
- Parties are requested to indicate in the methodology sections of their IIR whether their PM EFs include or exclude the condensable component (if you do not know, then please also note this).

You are requested to provide this information in your next IIR.

Updating the Reporting Template (Annex 1)

You might remember that we have an ad hoc group who are tasked with updating the Annex 1 reporting template (the main Excel file for reporting historical emissions and activity data).

We fully appreciate that revisions to the main reporting template are inconvenient for Parties! But we know that there will be changes to the reporting requirements in the future, and we need to make sure that Annex 1 is able to cope with this, and also supports more transparent reporting.

The ad hoc group has had to find solutions to a number of complications—for example: the differences between a “national total” emission and a “compliance total”, the way we present information on adjustments and fuel used/sold, and ensuring that presented data can easily be used by others for investigating compliance with emission reduction commitments as well as emission ceilings.

The group has finalized an updated version of the Annex 1 template, and this will be circulated in March, ahead of the TFEIP annual meeting (13-15th May) for feedback and comment. The template is very much the same as the current version, and whilst there are important revisions, many users will not notice much change.

The new template will be presented and discussed at the TFEIP meeting, and we will decide whether to recommend that it is adopted by the CLRTAP.



Inventory Reviews

ESD Reviews (From April),
 NECD Reviews (May-June),
 LRTAP Reviews (May-June),
 NAPCP Reviews (TBC)

Inventory Reviews in 2019

There are several emission inventory reviews scheduled for 2019. We know that inventory teams get very busy! So we thought it would be helpful to outline the information that we have at the moment about when different reviews will happen across 2019. Some of these are not yet finalized, and so dates may change. But the following gives a good indication of what is likely to be happening across 2019. Please remember that “centralized” review dates will have “desk reviews” leading up to them:

- ESD review (GHGs—All EU Member States)**
 - All EU Member States
 - From the 8th April: Desk review (2nd step) 23-27th April: Centralised review week.
- TFEIP annual meeting in Thessaloniki — 13-15th May:**
- NECD review of emission inventories**
 - May: Desk review 17-21st June: Centralised review week
 - All EU Member States. The “main” air pollutants will be reviewed, as will heavy metals and POPs. Progress on previous review recommendations will also be assessed.
- LRTAP review**
 - May—June (we presume) : Desk review 24-28th June: Centralised review week
 - The countries scheduled for review are: Albania, Bosnia and Herzegovina, Georgia, Montenegro, Norway, Russian Federation, Serbia, Turkey

The European Commission intends later in 2019 to review the National Air Pollution Control Programmes (NAPCPs), policies and measures, and emission projections reported by EU Member States. Information concerning this process will be communicated to countries by the Commission.

All EU Member States will be reviewed. This is the first time that the NAPCP and Air Pollutant projections have been reviewed.

About

Co-chair of the Combustion and Industry Expert Panel

TNO, The Netherlands

We continue to introduce different members of the TFEIP team in the newsletter. Jeroen Kuenen, co-leader of the Combustion and Industry Expert panel, provides us with an overview of his work:

Personal Profile: Jeroen Kuenen

During my studies of Applied Physics at university, I got more and more interested in the Earth's atmosphere, what's happening there, what are the processes involved. This also made me realize how unique this is and that we all have to take care of our environment. After a Master Thesis on the deteriorating air quality in China, I joined TNO in 2006 and landed in the Emission Management team. In the first few years I worked a lot with Tinus Pulles, one of the founding fathers of our TFEIP community. He gave me the chance to learn all about emissions and emissions reporting, travel to meetings and meet lots of new people. We had a large project then to update the Guidebook from SNAP to NFR based, and after that large piece of work, I was more or less dreaming in NFR codes and Guidebook chapters.

A few years later, I became one of the co-chairs of the Expert Panel Combustion & Industry, trying to further improve the guidance available for people trying to set up emission inventories. This proved to be a challenging task, but at the same time it gives the opportunity to continue to be very active in the TFEIP community which is great!

Apart from my role in the TFEIP, at TNO I work mostly on European-scale emission projects. These are in part focussed on policy support, such as reviewing air emission inventories (including CLRTAP and NECD reviews) and providing assistance to the governments in Netherlands, Belgium, Germany and the EU on various emission, air quality and climate policies. Another more research-oriented thing we do at TNO is making



emission grids that can be readily used by modellers of air quality or greenhouse gases.

Here we take advantage of the air quality modelling team in our department, where we work a lot together on the issues between emissions and dispersion. So, partially based on each countries' NFR templates, we go one step further and provide consistent spatial distribution, further speciation of some of the emissions (e.g. PM semi-volatiles, NMVOC and PM chemical speciation, particle size distributions, etc.) as well as improved temporal distribution patterns to suit the modelling community. And working with these modellers also provides us with valuable feedback from the comparison of modelled concentrations with actual air quality measurements.

When I'm not working, I spend most of my time with my wife and our two lovely sons, who are now 3.5 and almost 1 year old. And if then my head is still not clear, I like cycling and mountain biking, spending time with friends and family as well as travelling for nice and active holidays in Europe or beyond...

TFEIP Annual Meeting 2019

We are pleased to announce that the joint EIONET and TFEIP meeting will be held in Thessaloniki, Greece across the 13th-15th May 2019. The conference will take place in the Thessaloniki Concert Hall. The workshop will be held on the 15th May 2019. Full invitations and registration will be circulated soon, in addition to local information. The EIONET and TFEIP meetings will be followed by the annual ERMES (<https://www.ermes-group.eu/>) and the Transport and Air Pollution Conference (www.tapconference.org) at the same venue.

Draft Agenda (Subject to Change)

13th May am: **Introduction and International News**

13th May pm: **Expert Panel Sessions** (Combustion and Industry, Agriculture and Nature, Transport, and Projections)

14th May am: **Feedback and Formal Decisions**

14th May pm: **New Science and EIONET and ERMES (Transport) Plenary**

15th May am: **Joint ERMES and TFEIP Workshop**

15th May pm: **Opening of TAP (Transport Emissions) Conference**

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TFEIP Annual meeting to be held in Thessaloniki, Greece the 13th-15th May 2019

International Conference on Mercury as a Global Pollutant (ICMGP, 2019)

The conference will take place in Krakow from 8th-13th September 2019. Over 800 participants are expected - a diverse community of scientists, industry, government, research institutions, NGOs and academics from various countries around the world. ICMGP offers not only an incredible educational opportunity but also a venue for networking and collaboration with professionals, suppliers, and other stakeholders from around the world. More information on the Conference is available at: www.mercury2019krakow.com

If you would like to publicise details of your forthcoming relevant meetings or workshops in the next TFEIP newsletter, please contact the Co-Chairs and secretariat with more information: <https://www.tfeip-secretariat.org/>

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