

Task Force on Emission Inventories & Projections

This year's activities and future work



European Environment Agency







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1. 2014 Workplan – Core Programme

Main Tasks 2014 – 2015

1. Annual TFEIP Meeting (May 2014) - in Belgium. 
2. Annual Workshop: 
 - Emissions from **mobile machinery**
 - Emissions from **small-scale stationary combustion**
3. Routine maintenance of the EMEP/EEA Emissions Inventory Guidebook. **Some**
 - **Assuming resources are available.**
4. Improved communications/working with other TF's & Centres
 - **Good steer from the users (MSC-W, MSC-E)** 
 - **Will start preparing requests for TFMM.** 

1. 2014 Workplan - Aspirational work

- Guidance on best science reporting
- Review the inventory review process
(EB.AIR/GE.1/2007/16 (EEA/ETC-ACM support))
- Improving reporting from EECCA countries
- New/Updated Guidance:
 - Fine time-scale emission estimates
 - Non-anthropogenic sources
 - Point sources – completeness/heights
 - Speciation (chemical/state)
 - Shipping
 - N from soils, Cd, PCDD/F, marine NH₃

x

✓

(✓)

**No funds or
contributions
received**

2. Other work in 2014

Emission inventory adjustments

- Extensive discussion on inventory adjustment process and results at 38th session of EMEP Steering Body (Sept) – TFEIP was tasked to deliver updated guidance to the EB
- Funding secured at short notice (UK, SE) & guidance delivered for the EB (Dec)
- Updated Guidance accepted at the EB (decision 2014/1 amending 2012/12)
- A request to EMEP (TFEIP) to:
‘further develop for consideration by the Executive Body at its next session the preliminary additional guidance prepared on adjustment applications by the Task Force on Emission Inventories and Projections (...) in accordance with decision 2012/12, as amended



3. Future Work (2015 – 2016) Core Programme

Main Tasks 2015 – 2016

1. Annual TFEIP/Eionet Meeting (11-12 May 2015) in Milan.
2. Annual Workshop jointly with USEPA (13-14 May):
 - Black Carbon
3. EMEP/EEA Emissions Inventory Guidebook.
 - 2016 is an “update” year – work starting already in 2015
 - Development of COPERT5 road transport emissions model (EEA/ETC-ACM)

3. Future Work (2015 – 2016) Core Programme

Main Tasks 2015 – 2016 continued

4. Updated Adjustment guidance to be discussed at the TFEIP
 - Opportunity for “full” TFEIP involvement/consultation
 - Opportunity to review the 2015 applications
 - Recommendations from the TFEIP to feed into the 2015 EMEP SB (Sept).

5. Improved outreach and communications/working with other TF's & Centres
 - Supporting the Secretariat's EECCA initiative
 - Target closer liaison with TFMM.

3. Future Work (2015 – 2016): Guidebook

The EU (European Commission) is funding a project to support the 2016 Guidebook update



- Task 1– Small-scale Combustion
- Task 2.1 Condensable vs filterable PM
- Task 2.2 Non-road mobile machinery
- Task 3.1 Agriculture - restructuring and new methods
- Task 3.2-4 NH₃ from fertiliser use, standing crops, from biogas
- Task 4.1 SO₂ and SO₃ in SO_x emissions; reduced sulphur
- Task 4.2 Black Carbon/Elemental Carbon/Organic Carbon.
- Consultation at TFEIP meeting, and on into 2016.

3. Future Work (2015 – 2016)

Responsibilities/Funding

1. Over the past 5-10 years, there has been a shift of focus for emission inventory work under the Convention from 'science' to more 'compliance' focused activities (assessments against ceilings, review, adjustment process, requests from Implementation Committee etc)
2. From the science perspective, there is arguably now an increasing wider awareness of some of the long-standing quality problems within official CLRTAP inventories (completeness, non-reporting etc) when used in AQ modelling.
3. As requests/demands for 'Compliance' activities increase, there has been no significant increase in resources, even though it is clear that inventory quality is a key factor in EMEP's work.

(b) Noted with concern that part of the EMEP core budget for the Centre for Emission Inventories and Projections (CEIP) had been used to review adjustment applications and that, as a consequence, CEIP had not been able to complete all of the tasks assigned to it in the 2014–2015 workplan for the implementation of the Convention;

(c) Recognized that the number of experts on the EMEP roster of experts had not been sufficient to perform both the reviews of the adjustment applications submitted in 2014 and the full number of Stage-3 in-depth reviews of the emission inventories scheduled in the EMEP workplan for 2014;

(d) Encouraged Parties to contribute voluntarily to financing the work of CEIP on review of adjustment applications;

(e) Urged Parties that had not yet done so to nominate one or more experts to the EMEP roster of experts, as a matter of priority;

(f) Requested the EMEP Steering Body to give priority to the scheduled Stage-3 in-depth emission inventory reviews if there was a lack of experts or sufficient voluntary contributions for doing both the review of the adjustment applications and the emission inventories included in the EMEP work schedule;

(g) Also requested the EMEP Steering Body to give priority to reviewing adjustment applications submitted by those Parties that had made voluntary contributions to CEIP or that had nominated experts to the EMEP roster of experts;

(h) Requested the secretariat to inform the Implementation Committee of applications that had been withdrawn or rejected;

(i) Noted the decision of the EMEP Steering Body to support the recommendations put forward by the Expert Review Team in relation to its review of the adjustment applications submitted in 2014 (ECE/EB.AIR/GE.1/2014/10);

(j) Also noted that a number of applications had been left in an “open” status in the recommendations referenced in document ECE/EB.AIR/GE.1/2014/10 due to complications arising from the relatively new nature of the adjustment process and insufficient resources, that that did not constitute a precedent for future applications and, moreover, that all efforts should be made to ensure applications were not kept open for more than one additional year;

3. Future Work (2015 – 2016)

Responsibilities/Funding

Guidebook

- We have relied on EU (European Commission & EEA) for the last ~15 years...
- Contributions from the Parties (contributions, funding) are presently not sufficient
- Are there any other TFs that have to maintain a similarly key product with no centralised EMEP funding?

Question:

- Should the regular scientific update of the Guidebook justify regular EMEP funding in the same way as the EMEP models?
- Should responsibility for the scientific content of the Guidebook and resourcing be placed under CEIP's mandate?(cf mandate of MSC-E and MSC-W)

3. Future Work (2015 – 2016)

Responsibilities/funding

Inventory and adjustment review

- Inventory review funding mechanism doesn't work
- Insufficient reviewers from Parties
- Reviews take place only once every 5 years
- No checks whether the review findings are properly followed
- No substantial improvement in quality over past years

Q: Should a core inventory review team be funded by EMEP?

EECCA

- Incompleteness of EECCA reporting is a major issue
- The Secretariat's initiative can only support small improvements. We either need:
 - A well-funded and better targeted programme to support EECCA inventories (coordinated twinning programme?), or
 - Greater administrative pressure to ensure countries report

4. Summary

- TFEIP will do its best to support the EC's GB Update Project.
- If we want significant inventory improvement, then we (EMEP?) needs to:
 - Continually fund improvements to improve the Guidebook quality
 - Adequately resource the inventory and adjustment reviews to reflect changing priorities being communicated by the EB
 - Install proper carrot/stick for national reporting (incl EECCA).



4. Discussion

The next work plan (2016-2017)

- Recognition of the pressures to do more with fewer resources across all EMEP areas
- Ensure coherence with the Convention's long-term strategy. This already provides us with a basis upon which prioritisation might occur
- Review what we do and why - e.g. is there still a need to have so many annual products?

4. Discussion

The next work plan (2016-2017)

- Greater transparency of work plans is needed to allow the Bureaux to strengthen its strategic management of EMEP resources:
 - Clearer outputs - what will be delivered?
 - Performance indicators to measure success/progress(?) (EMEP's 'return on investment')
 - Cost of work items/processes – e.g. how much does an annual EMEP report or process cost?
 - Ensure EMEP decisions on funding can be more 'agile' to reflect changes in strategic priorities over time