Reporting and review of emission inventories 2018

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Status of reporting 2018 as of 20.4.2018

- 40 Annex 1 tables, **(10 missing)**, **EU deadline by 1st May**
- 35 IIRs (69%) in 2018
- 36 Parties provided AD
Reporting of Gridded data and LPS

- 23 Parties reported gridded data in new resolution up to 2018
- no gridded data reported for EMEP East
- Switzerland, Sweden, Germany, Croatia reported gridded data for 1990, 2000, 2005, 2010 and 2015
- 23 Parties reported LPS data before 2018

- Parties are encouraged to update their gridded and LPS data (years 1990, 1995, 2000, 2005, 2010, 2015) and report annually where changes in spatial patterns have occurred, so that the EMEP models can represent the most up-to-date information.
Gridded and LPS emissions - challenges

• Exchanged longitude/latitude coordinates (2 cases)
• LPS placed outside country borders (2 cases)
  (Also some E-PRTR LPS data used as proxy information were placed outside country borders)

• Missing data: Emissions for more than 50% area have to be gapfilled by expert estimates

• In the short timeframe between grid-reporting and delivering gridded data to modelers is not enough time for detailed quality checks
Limited completeness
Gap-filled versus reported data 2015
Technical review of AE inventories

- Initial checks – formal criteria (timeliness, completeness,..) - all countries
- Extended checks – consistency, comparability, recalculation, KCA, trends, .. (national totals, (GNFR), pollutants) - all countries
- NEW: Findings are provided to countries 2 times, beginning March (before resubmission deadline) and mid April via http://www.ceip.at/review_results/
- Tests are regularly extended

- In-depth review – consistency, comparability, recalculation, KCA, accuracy (NFR sectoral level) - selected countries (up to 10 annually)
In depth review of national inventories

- In depth review 2018 (S3): **7 countries**, limited data, very **limited feedback from the countries so far**
- 2 ERTs / 2 LRs +17SE (including adjustment review) / not complete teams
- Test revised review guidelines and calculate technical corrections

**Roster of experts:**
- 25 countries / **100 experts** (16 left)
Long-term; in-depth review 2018 - 2020

- Review plan approved by EMEP SB meeting in Sept. 2017
- Harmonized approach with EU/EEA

<table>
<thead>
<tr>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moldova (no data 2018, but 2017 OK)</td>
<td>Turkey</td>
<td>Liechtenstein</td>
</tr>
<tr>
<td>Armenia (no IIR)</td>
<td>B&amp;H</td>
<td>Switzerland</td>
</tr>
<tr>
<td>Finland</td>
<td>FYR of Macedonia</td>
<td>Kyrgyzstan</td>
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<tr>
<td>Belarus</td>
<td>Serbia</td>
<td>Kazakhstan</td>
</tr>
<tr>
<td>Ukraine (NFR 2017, IIR 2016)</td>
<td>Russian Fed</td>
<td>Monaco</td>
</tr>
<tr>
<td>Montenegro ? (no data since 2011)</td>
<td>Albania</td>
<td>EU</td>
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<tr>
<td>Azerbaijan</td>
<td>Georgia</td>
<td></td>
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</tbody>
</table>

Second round: 2013-2017; 45 countries reviewed
First review round 2008-2012; 44 countries reviewed

http://www.ceip.at/review_results/stage3_country_reports/
R3 2017 Progress

Questions/answers per sector / reviewer (20-30)

➢ Review of 8 Parties completed in 2017
➢ Up to 80 questions for a Party, 20 - 40 issues identified by reviewer
➢ Revised review guidelines including calculation of TC tested
➢ Cooperation with review under NECD directive considered useful but does not resulted in reduced workload for ERT and/or CEIP

Questions/answers per Party (max 80)
TC lessons learned (observations of LRs)

- **New item** in the review process / An additional task not easy to manage given the same deadline and time budget than before

- For some countries (generally non EU MS), there are many not estimated emissions, so it would be very time consuming for ERT to estimate emissions for most of all these missing categories in the frame of the TC process + identification of cases above the threshold.

- **The time /budget** of CLRTAP review is rather limited and it would be difficult to extend voluntary effort for the CLRTAP review.

<table>
<thead>
<tr>
<th>TC / PTC</th>
<th>Nb TC (*)</th>
<th>Nb identified PTC (*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>EU</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Kyrgyzstan</td>
<td>3</td>
<td>15</td>
</tr>
<tr>
<td>Liechtenstein</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>

(*) : the number is higher if we count the different...
TC next / LR Recommendations

- The significance threshold to be discussed during TFEIP meeting
- Instructions to be elaborated and examples needed if this should become a standard part of the review
- Possible options to examine for next years, if TC process is adopted for the CLRTAP review:
  - Option 1: TC process to be managed mainly before S3 - stage 3 review (e.g. during S2: -> more time / more complete TCs, but difficulty of timing and voluntary resources.
  - Option 2: TC process to be continued after the S3: -> more time for Party to respond to the PTC and TC, but difficulty of timing with the holiday period and voluntary resources needed.
  - Option 3: Mainly focusing TC process during S3 (as this trial year): -> no need of further voluntary resources, no change in the timing/deadline, but limited TC investigations and no reasonable time for Party to react to TCs.
  - Option 4: one of option 1-2-3 combined with a share of TC process with the NECD review: e.g. NECD review focusing on TC for EU MS, CLRTAP focusing on TC for non EU MS.
Review of adjustment under GP in 2018

- Parallel with S3 review
- Aim harmonized approach with review under NECD

7 countries submitted approved adjustments;

> 30 cases (sector/ pollutant/ country)

- (Annex VII + Declaration on consistent reporting)
- Some recalculation to be checked in more detail (LU, FR?, ....)

Two new applications:

- Hungary: NMVOC/ Agriculture (Annex B1 provided)
- Great Britain: NOx/ Road transport (Annex B1 provided)

- Country CONTACT POINTS to be nominated to CEIP ASAP
- Timing: draft reports plus recommendation of review team beginning of June, recommendations to EMEP end of June
CONTACT & INFORMATION

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