

EU CLRTAP emissions inventory

PROPOSAL TO AMEND THE METHOD OF GAP-FILLING MISSING DATA



Agenda

- What are the MS data submissions under the LRTAP used for?
- Why is gap-filling needed?
- What is the current situation/ methodology?
- Comparison of current and proposed gap-filling.
- What are the benefits?



Use of MS data submitted under LRTAP

- EU LRTAP inventory:
 - Data used to compile the EU LRTAP inventory and report to fulfill the reporting obligation.

- EMEP LRTAP inventory:
 - Webdab database (www.ceip.at)
 - Data used for spatial emission mapping: EMEP grid.
 - Data used for modelers (MSC East, MSC West, ...)



Countries included in the ...

- EU LRTAP inventory:
EU-28 Member States
- EMEP LRTAP inventory:
51 countries & 13 areas (e.g.: Baltic sea)



Why gap-filling?

In principle there should be no need to gap-fill EU/EMEP LRTAP data.

Parties to the LRTAP convention are obliged to deliver: complete and accurate inventories.

Unfortunately there are data gaps, therefore gap-filling is required to create a „complete as possible“ inventory.



Gap-filling for the EU LRTAP inventory

- Methodology paper from EEA & ETC/ACM in 2009.
- Agreed on in Sept. 2009 by MS.
- This methodology was used for the 2010 to 2016 EU submissions.
- Slightly changed in 2015 (because no data was submitted under the EU GHG MMR)



Gap-filling for the EMEP LRTAP inventory

- Most actual data are exported from database.
- Different data sources are used for gap-filling (e.g.: NEC, CRF, ...). Gap-filling is done manually.
- Differentiated approaches depending on the data submitted:
 - Copy or linear inter- and extrapolation of previous reported data
 - Data from expert estimates
 - Data from other models (IIASA, EDGAR, ...)
 - Data submitted under the NECD or EU GHG MMR

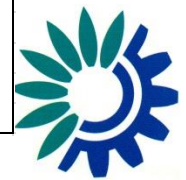
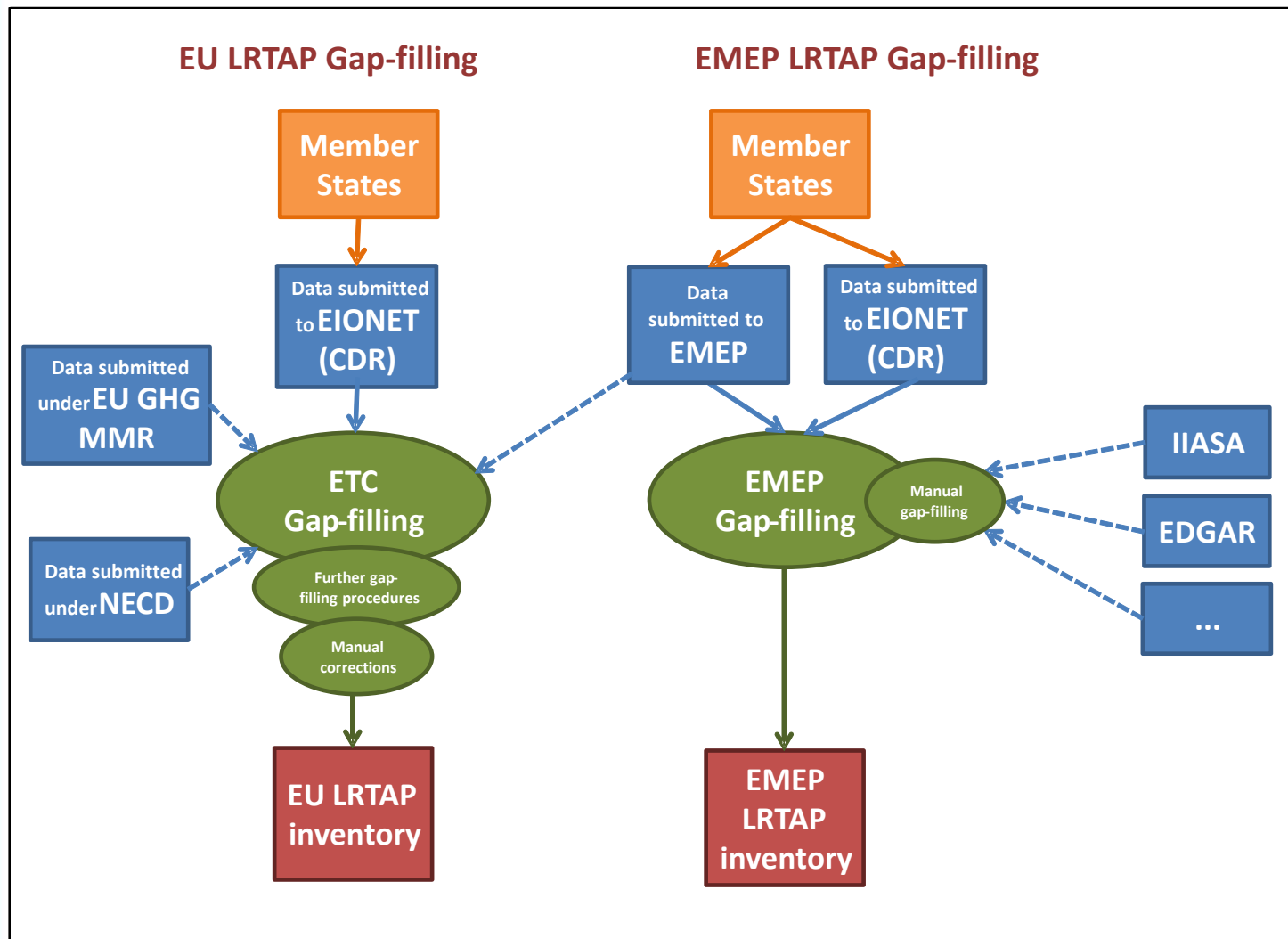


What are the main goals of this proposal?

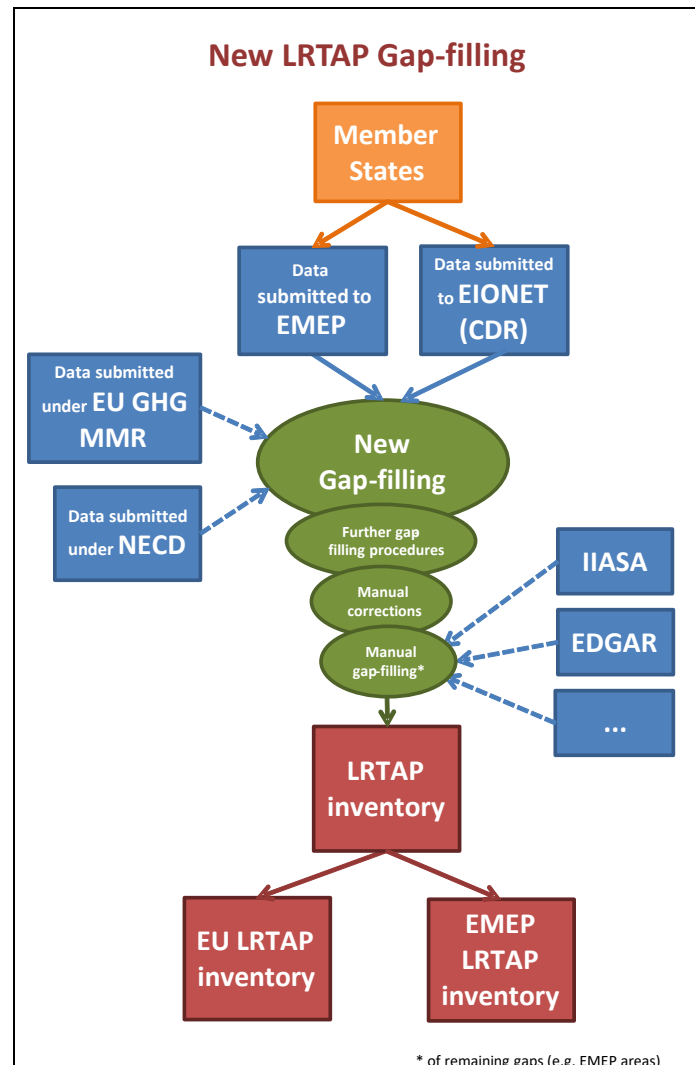
- To ease the gap-filling procedure (especially for EMEP LRTAP data)
- To harmonise the EU and EMEP LRTAP datasets.



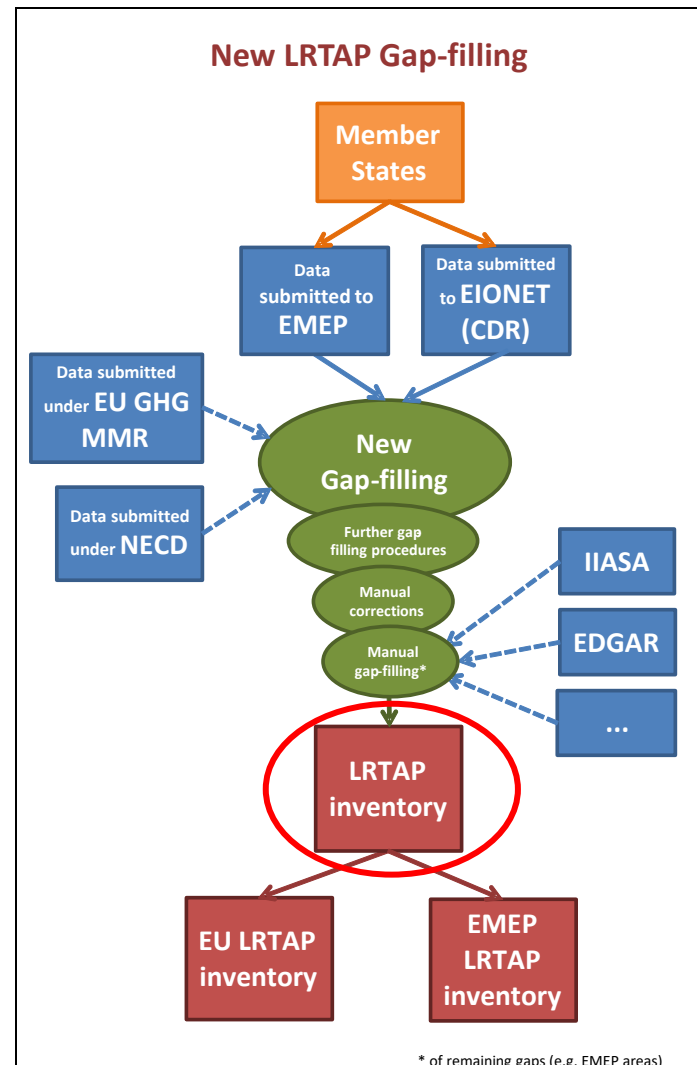
Overview of the current gap-filling



Overview of the proposed gap-filling



Overview of the proposed gap-filling



Changes & benefits

- LRTAP data submitted to EMEP ranked before EU GHG MMR data, NECD data.
- Simplification of the EMEP LRTAP gap-filling technique
- Data for both applications are using the same source and will therefore be comparable.



Contact & information

Thank you for your attention!

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