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Topics

- Overall approach to QAQC processes
- Cooperation and communication with the sector experts
- Communications in QAQC, focusing on NIR submission, ESD review and UNFCCC review
- Benefits of ESD review and UNFCCC review – QAQC cycle continues
- Improvements in the improvement plan or i.e. our internal QAQC plan
- Example of recommendation about data verification
- Example of cooperation and communication needed in preparing an improvement
- Looking for future - 2019 Refinement

Overall approach to QAQC processes

- There has to be time efficiency in QAQC, meaning some random errors may go unnoticed in the reporting, but systematic errors will be eradicated.
- Ultimate indicator is review teams recommendations, if recommendation for enforcing QAQC practises exists or not.
- At the moment CZ has no recommendation on general QAQC quality or because lack of it.

Cooperation and communication with the sector experts

Ongoing 3 year project to interview sector experts about QAQC;

- Organized approach to QAQC to harmonise the quality of QAQC work across the sectors
- by skill share, especially valuable for the newcomers
- Identified obstacles and what improvements are needed in communication, cooperation and in substance
- Feedback from the sector experts
- Need from compiler team to support individual SEs to cooperate with Ministries and data providers

Cooperation and communication with the sector experts

Ongoing 3 year project to interview sector experts about QAQC;

- Plan to establish better communication from QAQC manager towards other Ministries than only MoE.
- Waste and Agriculture sector connections already enhanced, still need to do the rest of Ministries.
- The QAQC work and the project was described to the UNFCCC review team and their feedback was positive.

Communications in QAQC cycle, focusing on NIR submission, ESD review and UNFCCC review

- The most important is development of personal, professional relationship with sector experts, between SEs, data providers and Ministries.
- Compiler and QAQC manager coordinates and supports the process.
- The inventory cycle with QAQC was included in the presentation on Thursday
- Additionally, we have summer QAQC workshop with the SEs to communicate plans and hear concerns from the SEs for the coming NIR submission.
- Latest WS focused on ESD and UNFCCC review and a need to document expert judgements to expert judgement forms and have them archived in to the CHMI archive. (cross cutting recommendation to all SEs)
- UNFCCC ARR review report recommendations and results are incorporated to internal improvement plans for every sector and for general issues. (early December)

Communications in QAQC cycle, focusing on NIR submission, ESD review and UNFCCC review

- Before 15.1 submission, SEs return QC forms and improvement plans, and the final versions before 15.3 submission.
- Before 15.3 submission, focus is on data quality and updating data for the CRF reporter.
- After 15.3 submission, data cannot be changed any more, from that on, compiler team and SEs focus on, to name a few
 - NIR text reflects the CRF data,
 - NIR text has transparently described improvements due to recommendations and by internal QAQC process,
 - time series consistency,
 - and recalculations.

Benefits of ESD review and UNFCCC review – QAQC cycle continues

- ESD review initial checks are already happening in February, QAQC manager and compiler are coordinating answers with SEs about the review questions.
- ESD review helps to prepare for the UNFCCC review
- ESD review can be taken as free capacity building
- UNFCCC review initial questions start already in July.
- This year we kept tight, not only by iVTR but emails, communications with the UNFCCC review team, and received kind guidance to solve issues found by the review team, and not only received questions and recommendations.

Benefits of ESD review and UNFCCC review – QAQC cycle continues

Example;

- 2021 Spring, ESD review turned down UNFCCC accepted CS EF based on existing research. ESD review recommended CZ to do revised estimate with 2006 IPCC default EF which lowered emissions in 5.A.1
- In 2021 autumn, UNFCCC review asked to see the research and arguments for the CS EF.
- Interesting to see if UNFCCC will ask CZ to return back to using CS EF with resulting higher emissions from 5.A.1
- The draft review report is not yet out.(early December)

Improvements in the improvement plan or i.e. our internal QAQC plan

- IP is based on review recommendations. Old review recommendations are always asked by the review teams, hence by writing information to IP will prepare directly for the review where time is scarce.
- IP filling instructions need to still change; how and when IP is beneficial to SE will be included, see the above text.
- Ideally SE can just copy paste the answer for review question from the IP or pick the info from the IP. This is the goal regarding questions about old recommendations.
- Review cycle progress was introduced to the IP by colour codes.
- Why, because status of recommendations and implemented recommendations need to be reported in an annex to ESD and UNFCCC reviews. IP communicates this info to QAQC manager.

5.A.1 activity data, improvement in process due the UNFCCC recommendation

- VISOH database from CENIA – used for the inventory
- Czech statistical office, CZSO- used for verification
- Eurostat – the EU ESD review and UNFCCC review teams compare against
- Eurostat data comes from CZSO
- Of course, the review teams ask about the difference between the official Eurostat data and VISOH data in 5.A.1 landfill.

Previously;

- Data difference of VISOH/CENIA data and CZSO data were located to construction and demolition data.

5.A.1 activity data, improvement in process due the UNFCCC recommendation

Recently;

- CZSO and VISOH data sets are being harmonised.
- Waste expert Jana Esterlova is providing the waste data and calculations for the inventory.
- QAQC manager and/or the waste expert will do QA on it by comparing it to CZSO data and communicating with CZSO waste specialist that we are checking against the relevant CZSO data sources.
- CZSO specialist will be the external QA person in the verification process.
- The EU ESD review and UNFCCC review teams will assess the improvement.
- QAQC manager respects the sector experts work, and provides support if asked for.

Example of communication needs and cooperation in preparing improvements

2019 Refinement of the IPCC guidelines on CZ 5.A.2 industrial wastewater treatment, background;

- The EU commission provided analysis report for every Member State of the impacts
- One significant impact for CZ. It is in 5.A.2
- Currently 5.A.2 category is reported as NE
- The impact analysis estimates about 5kt N₂O from 5.A.2 with 2019 Refinement
- The impact assessment was based on expert judgement.

Example of communication needs and cooperation in preparing improvements

2019 Refinement of the IPCC guidelines on CZ 5.A.2 industrial wastewater treatment, currently;

•The EU provides every autumn sector specific capacity building workshops. Opinion about CZ 5.A.2 was asked and EU expert for WWT encouraged to contact the author directly about how estimation was done.

•Documents, assessment of the future issue in 5.A.2 and proposed action was communicated and agreed with contact person in Ministry of Environment, who will be kept informed of the developments.

Example of communication needs and cooperation in preparing improvements

Next;

- QAQC manager contacts the author, who is experienced reviewer from UK, that CZ can replicate the calculation process, evaluate the estimate and if research is needed for CS EF or/and CS data.
- Or after reproducing the calculation, CZ agrees to use the method applied by the author of the EU commission report without further need for research.
- Both the author and the EU workshop expert are part of the EU ESD review roster.
- Described action prepares CZ to provide the new estimate according the 2019 Refinement with understanding of the EU ESD review team members on time when the use of 2019 Refinement will become obligatory.
- This process also provides a higher success rate with the UNFCCC review team in the future.


Looking for the future - 2019 Refinement

- Not known when it will become obligatory
- EU will provide capacity building and workshops for Member States to change into 2019 Refinement before it becomes obligatory
- EU provided already assessment of impacts for each MS.
- In general, no significant methodological changes or demands expected across EU MSs regarding 2019 Refinement.
- Lead reviewers guidance is that
 - 1. if 2006 IPCC G1 is missing methodology, 2019 Refinement can be applied already now
 - 2. if 2019 Refinement produces more accurate results than 2006 IPCC G1, country may use the 2019 Refinement.
- At least UK applied 2019 Refinement in the waste sector in its latest submission.

Děkuji, kiitos, би благодарам

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