

Workshop on Capacity building for emission inventories

19 November 2020

Agenda



09:30 – 09:40	Opening remarks (European Commission)
09:40 – 10:10	Project overview and summary of findings from the desk review of common problems identified in developing air pollutant emission inventories and proposed solutions (Anne Misra, Ricardo)
10:10 - 10:20	Interactive poll to seek feedback from Member States on the main issues identified during the desk review
10:20 – 10:50	Presentation on agriculture sector improvements (Monica Crippa, JRC)
10:50 – 11:05	Break
11:05 – 11:20	Improvements made to the agriculture sector in Hungary (Katalin Lovas, Department of National Emission Inventories)
11:20 – 11:35	Improvements made to the road transport sector in Croatia (Iva Švedek, Ekenerg)
11:35 – 12:05	Ongoing work at TFEIP on NMVOC emissions (Jeroen Kuenen, TNO)
12:05 – 12:15	Interactive poll to seek feedback from Member States which sectors they would like support with and where
12:15 – 12:30	Conclusion/AOB


Introduction - GoToWebinar

Any questions?

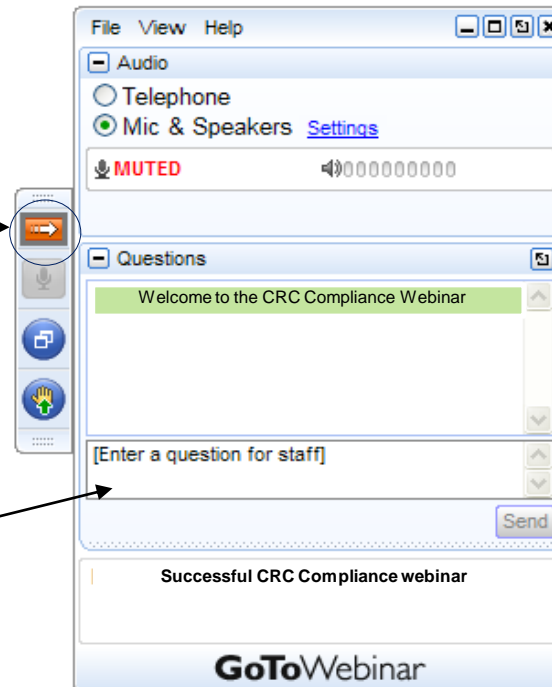
You can submit your question or comment in writing at any time during the webinar, using the control panel on your screen.

(The control panel is usually located in the top right or top left of your screen.)

Attendee control panel


If your panel is minimised,
click the orange button to
expand it.

Type your question here





Ricardo
Energy & Environment



*Capacity building for Member States
regarding the development of national
emission inventories*

19 November 2020

Anne Misra

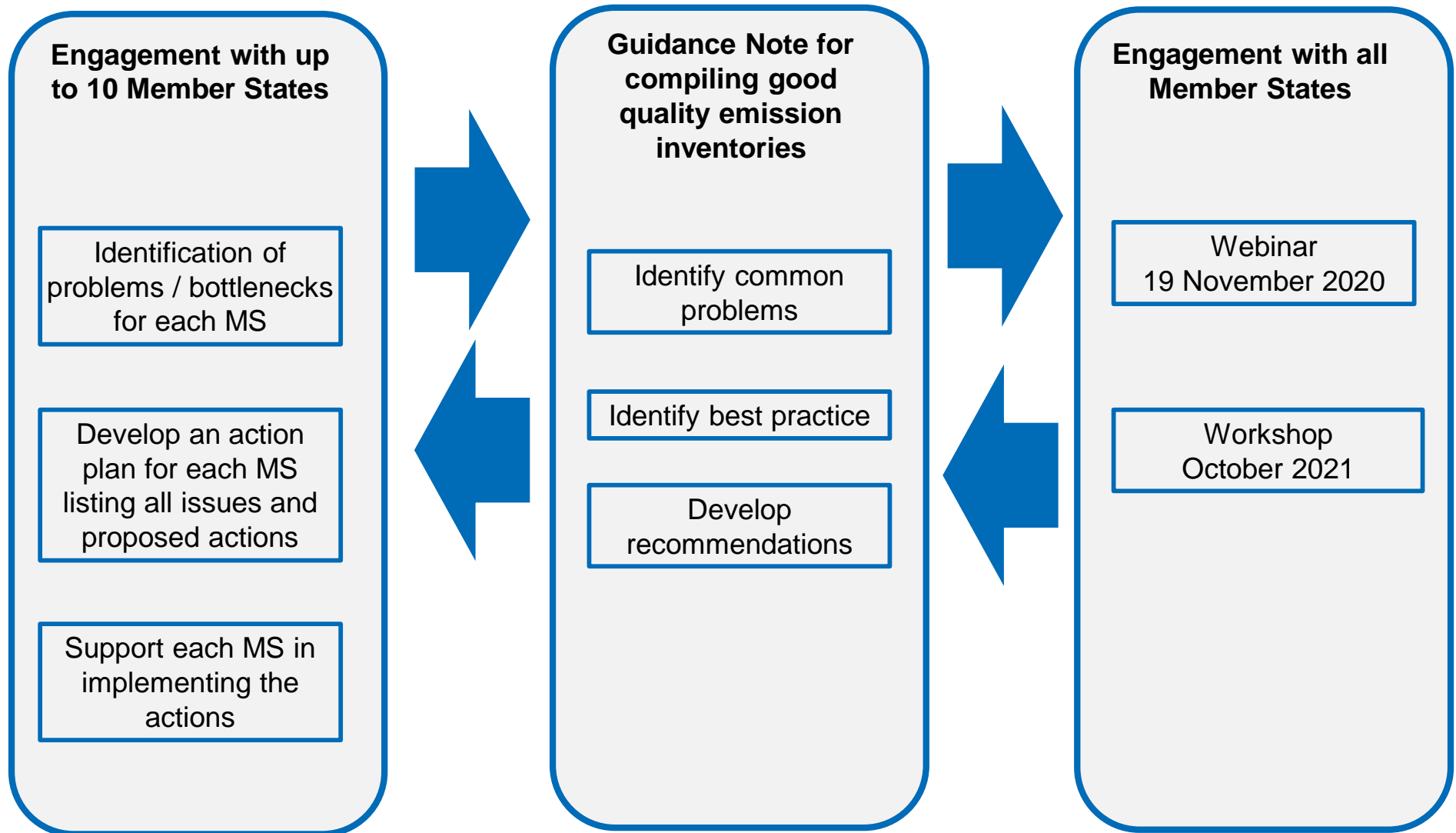
- Project team and objective
- Overview of project
- Common challenges identified
- Examples of issues identified and proposed actions
- Next Steps



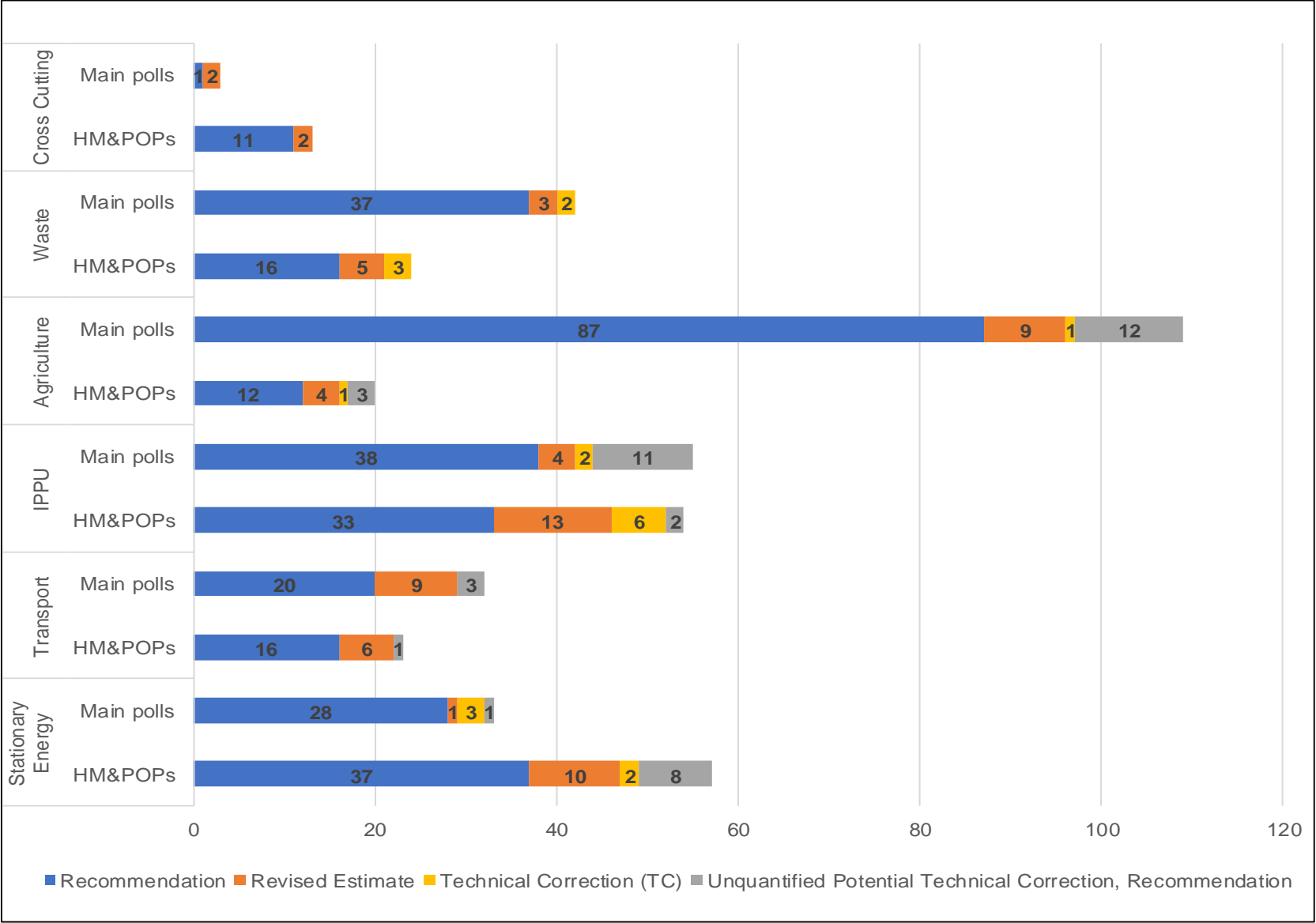
CITEPA

The objectives of this project are to:

- **Identify specific challenges** experienced by Member States in compiling air pollutant emissions inventories and **provide assistance to up to 10 EU Member States** in:
 - **Developing or improving air pollutant emissions estimates** using existing guidance;
 - **Reviewing and improving the institutional arrangements** within the national inventory reporting framework;
- Produce **Guidance Note for compiling good quality emission inventories** available to all Member States.



EMRT Findings for EU27 (1)



NFR Code	Pollutants	Issue
1A1a Public electricity and heat production	PM _{2.5}	Time series inconsistency, TC follow-up
1A2a Stationary combustion in manufacturing industries and construction: Iron and steel	PM _{2.5}	Time series inconsistency, Recommendation follow-up, TC follow-up
1B2aiv Fugitive emissions oil: Refining / storage	SO ₂	KC with Tier 1
2D3a Domestic solvent use including fungicides	NMVOC	Recommendation follow-up
3B1b Manure management - Non-dairy cattle	NH ₃	Recalculation (compared to previous year submission), Recalculation (compared to same year submission)
5A Biological treatment of waste - Solid waste disposal on land	NMVOC	KC with Tier 1

NFR Code	Pollutants	Issue
1A3c Railways	NOx	KC with Tier 1
1A3dii National navigation (shipping)	NOx	KC with Tier 1
1A3dii National navigation (shipping)	NOx	Recommendation follow-up
1B2av Distribution of oil products	NMVOC	KC with Tier 1, Recommendation follow-up
2A5b Construction and demolition	PM _{2.5}	Not Estimated, Recommendation follow-up
2D3a Domestic solvent use including fungicides	NMVOC	KC with Tier 1
2D3d Coating applications	NMVOC	Time series inconsistency, Recommendation follow-up
2D3h Printing	NMVOC	KC with Tier 1

NFR Code	Pollutants	Issue
3B Manure management	NH ₃	KC with Tier 1
3B Manure management	NO _x , NH ₃	Recalculation (compared to previous year submission)
3D Crop production and agricultural soils	NH ₃	Recommendation follow-up, Recalculation (compared to previous year submission)
3Da1 Inorganic N-fertilizers (includes also urea application)	NH ₃	KC with Tier 1
3Da2a Animal manure applied to soils	NO _x , NH ₃	KC with Tier 1, Recommendation follow-up
3Da3 Urine and dung deposited by grazing animals	NO _x , NH ₃	Recommendation follow-up

- Non technical information provided in Informative Inventory Reports
- Quality Assurance and Quality Control (QAQC) Processes
- Coherent approach in compiling GHG and AP inventories
- Improvement planning

Annex II_v2018
Recommended Structure for Informative Inventory Report (IIR)

(in UNECE language, preferably in English)

CONTENT

Executive Summary (in English – to be updated yearly)	2
Chapter 1. Introduction	3
1.1 National Inventory Background	
1.2 Institutional arrangements (to be updated when there have been major changes since the last report)	3
1.3 Inventory preparation process (to be updated when there have been major changes since the last report)	3
1.4 Methods and data sources (to be updated when there have been major changes since the last report).....	3
1.5 Key Categories (to be updated each year)	3
1.6 QA/QC and Verification methods (to be updated every 5 years or when there have been major changes since the last report)	3
1.7 General uncertainty evaluation (to be updated every 5 years or when there have been major changes since the last report)	4
Chapter 2: Explanation of key trends (to be updated each year).....	5

- **Non technical information provided in Informative Inventory Reports (IIRs)**
 - Not all MS follow Annex II template (<https://www.ceip.at/reporting-instructions/annexes-to-the-2014-reporting-guidelines>)
 - quality and quantity of non technical information provided varies significantly between MS
- **Quality Assurance and Quality Control (QAQC) Processes**
 - Lack of information in IIRs
 - Errors in submission template
- **Coherent approach in compiling GHG and AP inventories**
 - Lack of information in IIRs
 - Only 10 out of 27 MS have a coherent national system for preparing and managing inventories in place that compiles both the GHG and AP inventory
- **Improvement planning**
 - Lack of information in IIRs on how improvements are identified and prioritised
 - Lack of information in IIRs on the scope and progress of improvement tasks with clear defined completion dates

Applying higher Tier emission factors

- Fugitive emissions
- 2D3a Domestic solvent use including fungicides
- Guidance on how to gapfill data

Training session on how to apply EMEP/EEA Guidebook methodologies

- Currently not Estimated sources
- N flow tool
- Correct allocation of emissions

Improve transparency

- More detailed IIR Annex II template

- Review MS feedback to our questions – Thank you for getting back to us!
- Finalise MS assessment
- Identify MS that would benefit from capacity building work
- Capacity building with up to 10 MS between December 2020 and September 2021, deadline 1 December
 - 3 MS volunteered already

Questions?



Anne Misra
+44 (0)1235 753 214
Anne.Misra@ricardo.com