

# Reporting of GHG inventories under the EU Governance Regulation, adapted to the Energy Community

- links to the reporting under Paris Agreement-

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Training in Republic of Moldova

**European Environment Agency**





# Legal requirements for national GHG inventories and inventory systems

- Decision of the Ministerial Council of the Energy Community [\[D/2021/14/MC\\_EnC\]](#) adapted from:
  - Regulation (EU) 2018/1999: Governance of the Energy Union and climate action
  - Implementing Regulation (EU) 2020/1208: Structure, format and submission process
  - Delegated Regulation (EU) 2020/1044: GWP, inventory guidelines and Union inventory system



# GHG inventory reporting under Article 26 of the EU Governance Regulation and links to the Paris Agreement

- **Consistency with international reporting requirements under the Paris Agreement**
  - ✓ Same GHG inventory guidelines
  - ✓ Same IPCC global warming potentials (AR5)
  - ✓ Same methodological guidance to estimate emissions and removals
- **The Delegated Act to the Governance Regulation is explicit in articles 2 and 3**



# GHG inventory reporting: main documents and tools to be aware of, and to be use (Gov.Reg & Paris Agreement)

- What to report: Decision 18/CMA.1 (MPGs, Katowice)
- How to report:
  - Common reporting tables (CRTs) & UNFCCC reporting tool - 5/CMA.3
  - National inventory document (NID) - 5/CMA.3
- How to estimate emissions and removals: IPCC 2006 Guidelines and its 2019 refinement – 5/CMA.3

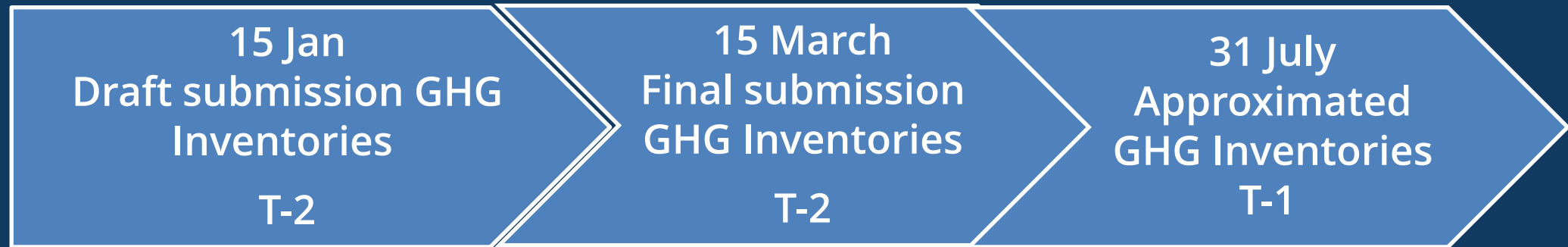


# Timelines for reporting under the EU Governance Regulation and the Paris Agreement

- EU Governance submission deadlines: 15/01 (draft inventories) 15/03 (final inventories) 31/07 (Approximated Greenhouse Gas Inventories)
- EEA carries out QA/QC initial checks on draft inventory submissions between 15/01 and 28/02
- Frequency Energy Community: Annual (Biennial under the PA)

- MPGs: *3. Decides that Parties shall submit their first biennial transparency report and national inventory report, if submitted as a stand-alone report, in accordance with the modalities, procedures and guidelines, at the latest by 31 December 2024;*

# Timeline as regards GHG inventories





# Reporting Platforms

- GHG inventories - Reportnet2
- Link: CDR (europa.eu)
- Approximated GHG inventories - Reportnet3
- Link: Reportnet 3 (europa.eu)

**EIONET**  
Central Data Repository

You are here: Eionet > CDR

**Services**

- » Search by obligation
- » Search XML files
- » Search for feedback
- » Global workload
- » Notifications
- » Help

**Account Services**

- » I have lost my password

**Note**

Subscribe to receive notifications if you want to stay updated about events in this site.

**Your password**

The Eionet password expires two years after it was last changed.

The Central Data Repository is part of the Reportnet architecture. The Central Data Repository is like a bookshelf, with data reports on the environment as submitted to international clients.

Each country either has a collection (📁) for its deliveries or a referral (🔗) to a different preferred repository. The data reports within each country collection are arranged under the relevant reporting obligations or agreements.

**EEA Member countries**

📁 Austria	📁 Belgium	📁 Bulgaria
📁 Croatia	📁 Cyprus	📁 Czechia
📁 Denmark	📁 Estonia	📁 Finland
📁 France	📁 Germany	📁 Greece
📁 Hungary	📁 Iceland	📁 Ireland
📁 Italy	📁 Latvia	📁 Liechtenstein
📁 Lithuania	📁 Luxembourg	📁 Malta
📁 Netherlands	📁 Norway	📁 Poland
📁 Portugal	📁 Romania	📁 Slovakia
📁 Slovenia	📁 Spain	📁 Sweden
📁 Switzerland	📁 Türkiye	

**Other countries and territories**

📁 Albania	📁 Andorra	📁 Armenia	📁 Azerbaijan
📁 Belarus	📁 Bosnia and Herzegovina	📁 Georgia	📁 Kazakhstan
📁 Kosovo (UNSCR 1244/99)	📁 Kyrgyzstan	📁 Moldova	📁 Monaco
📁 Montenegro	📁 North Macedonia	📁 Russia	📁 Serbia
📁 Tajikistan	📁 Turkmenistan	📁 Ukraine	📁 United Kingdom
📁 United Kingdom (Gibraltar)	📁 Uzbekistan		

**Global workload**

**Search by obligation**

**Search for feedback**

**Search XML files**

**Recent uploads**

**Recently released**

**Reportnet**

## The next generation for e-Reporting environmental and climate data

Reportnet 3 is the new e-Reporting platform for reporting environmental and climate data to the European Environment Agency (EEA). The platform embraces the strategic goals of the European Commission's Green Deal and Digital Strategy and hosts reporting tasks on behalf of EEA and the Commission.

The transition of reporting obligations from Reportnet 2 to Reportnet 3 will take a number of years. Therefore, Reportnet 2 will remain operational until all data flows are migrated and will then become an archive.

Reportnet 2 can be accessed here:  
<http://cdr.eionet.europa.eu/>



# Additional reporting: GHG inventory Annexes (Implementing Regulation)

- Annexes facilitate the QA/QC of submissions to the EU and the preparation of the Energy Community inventory
  - separate or part of NID
  - Templates of Annexes will be provided by EEA
- reasons for recalculations (art.9)
- implementation of review recommendations (art.10)
- methodological descriptions (art.11)
- uncertainty analysis (art.12.1)
- assessment of completeness (art.12.2)
- reporting on indicators (art.13)
- consistency with 'EC information' (art.14 on EU ETS, **adapted**)
- consistency with air pollutants (art.15 **deleted**)
- consistency with fluorinated gases (art.16)
- consistency with energy statistics (art.17)
- changes to national systems and registries (art.18)





# MPG key principles relevant to GHG inventories

- ✓To improve reporting over time
- ✓To promote transparency, accuracy, consistency, comparability & completeness (TACCC)
- ✓To provide **flexibility** to developing country Parties that need it in light of their capacities

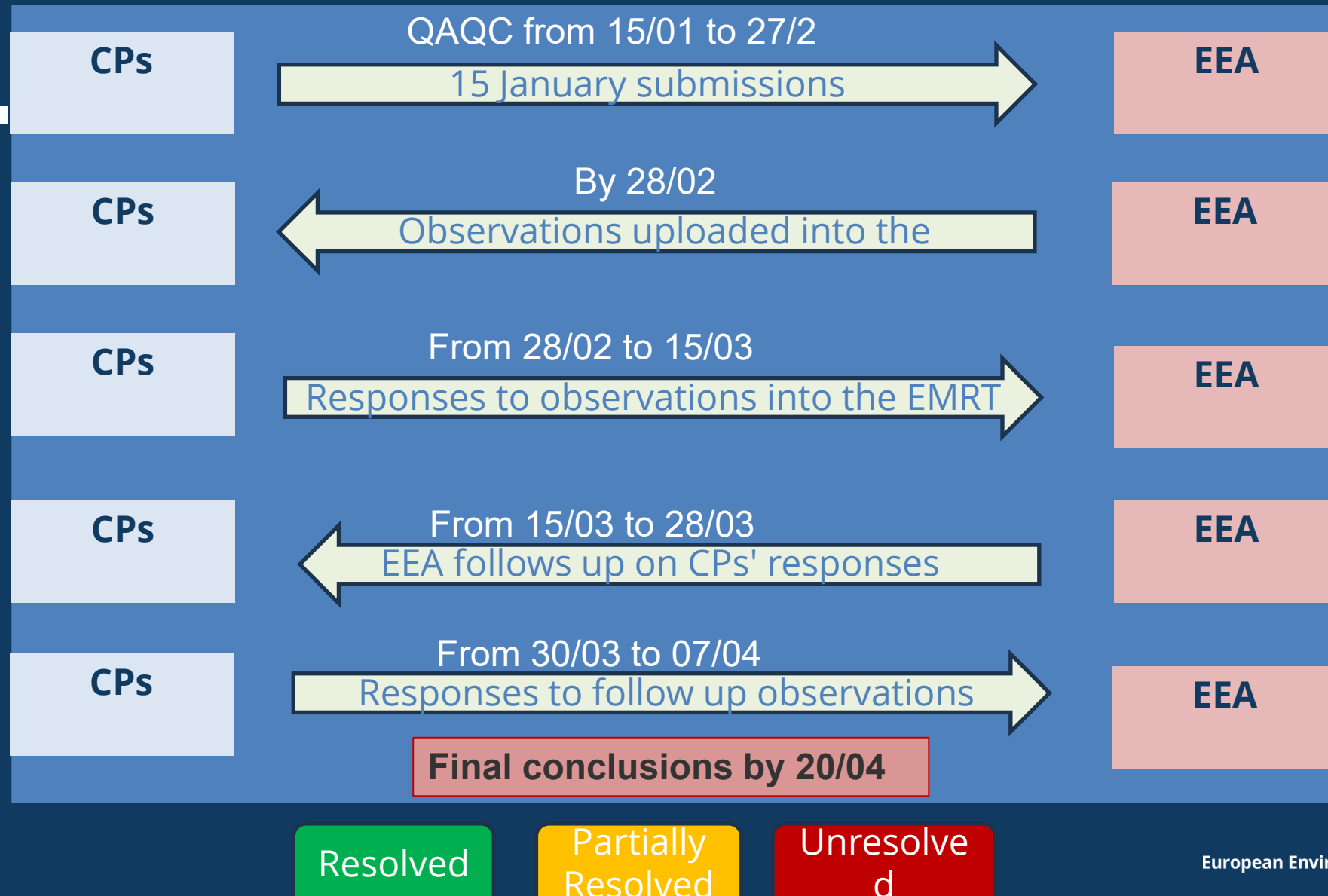
Reporting elements	'Shall' provision in MPGs	Flexibilities applicable
Key category analysis	95% threshold	85% to 95% threshold
Uncertainty assessment	Quantitative and qualitative for all categories	At least qualitative for key categories
Insignificance threshold	'NE' if lower than 0.05% of NT and 500Kt of CO <sub>2</sub> e	'NE' if lower than 0.1% of NT and 1000Kt of CO <sub>2</sub> e
QA/QC	Develop QA/QC Plan	Encouraged to develop
QA/QC	Implement general QC procedures	Encouraged to implement
Greenhouse gases	CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFCs, PFCs, SF <sub>6</sub> and NF <sub>3</sub>	CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O. Other if in NDC or reported before
Time series	T-2 timeliness	T-3 timeliness
Time series (can be challenging)	Annually between 1990 and t-2	Reference year for NDC, and annually from 2020 to t-3

# National inventory systems (NIS) under article 37 of the Adapted EU Governance Regulation

- Broadly consistent with MPGs but focus on establishment and not reporting
  - By 1/1/2023, establish, operate and continuously improve NIS to estimate emissions and removals to ensure the TACCC of the GHG inventory
  - Ensure that the national competent inventory authorities have access to the necessary information to prepare and report the GHG inventory
  - Ensure sufficient capacity for the timely performance of GHG inventory functions, including data collection and the technical competence of staff involved



# Timeline for QA/QC of the GHGI submissions by the CPs under the Energy Community



# Initial Checks for GHG inventories

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General

EC Energy Community Contracting P...

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EC Moldova

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Moldova

Name	Modified	Modified By	Ad
GHG Inventory Initial Checks	March 13	Louise Attard	



# Initial Checks for GHG inventories

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📄📊ECCP\_Review\_QAQC\_file\_Moldova\_2025\_final🔒📁

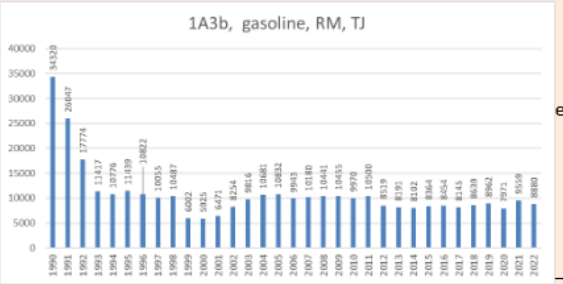
🔍Search for tools, help, and more (Alt + Q)

⚙️Louise Attard👤

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	A	B	C	D	E	F	G	H	I	J	K
1	Energy										
2		to be filled in by the sector expert								to be filled in by the CP	
3	Name of expert	Nr.	Year	Date	Years concerned	sector / category	Gas	Problem	Question	Date	Response
4	André	E-1	2025	6/4/2025	2017, 2021	1A3biii	CO2	Consistency, transparency	for HDV using Diesel oil, 2017 and 2021 are outliers for CO2 emissions compared to the trend. No clear explanation was found in the NID? could Moldova explain these values?	25/06/2025	In the national statistics, the diesel fuel consumption data are taken into account as a total for all vehicles. The GHG inventory expert, in agreement with the Energy Sector Task Lead, carried out a % distribution of the fuel used taking into account the structure of the vehicle fleet and the number of vehicles in each group (HDV, cars and other). For HDV, undercounting was found for the special vehicles group for 2017 and 2021. It will be corrected in the next inventory cycle
5	André	E-2	2025	6/4/2025	1991-1993, 2017	1A3bi	CO2	Consistency, transparency	for cars using Diesel oil in 2017, the associated CO2 emissions jump by 35%. In addition for cars using gasoline in early 90's, the CO2 emissions are divided by almost 3 between 1990 and 1993. No clear explanation was found in the NID for these trends? could Moldova explain these values?	25/06/2025	<div>For cars using reason. For 1990 values reported in consumption</div> <div></div>
6	André	E-3	2025	6/4/2025	2018-2020, 2022	1A3bii	CO2	Consistency, transparency	for LDV using Diesel oil between 2018 and 2020 and in 2022, the associated CO2 emissions are not in the general trend. No clear explanation was found in the NID for these trends? could Moldova explain these values?	25/06/2025	For LDV using Diesel oil for 2018-2020 and 2022, incorrect amounts in LDV quantity were detected. This will be corrected in the next inventory cycle

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ManualGeneralEnergyIPPUAgricultureWasteTabelle2+

# Initial Checks for GHG inventories

https://eea1.sharepoint.com/:x/r/teams/EnergyCommunity-Moldova/\_layouts/15/Doc2.aspx?action=edit&sourcedoc=%7B1b12ed95-4585...

ECCP\_Review\_QAQC\_file\_Moldova\_2025\_final

Search for tools, help, and more (Alt + Q)

Louise Attard

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CommentsEditingShare

Q1

	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1													
2	to be filled in by the sector expert		to be filled in by the party			Filled by sector expert							
3	Date	Follow up question / New question	Date	Follow up response	Final Status	Note for the next review							
4	27/06/2025	Thank you very much for your reply. We do not have a follow up question. The emissions (level and trend) will be checked in the next submission.			Partly resolved	To be checked if CRT tables are filled in correctly in next submission!							
5	27/06/2025	Thank you very much for your reply. We do not have a follow up question. The emissions (level and trend), as well as the associated explanations in the NID, will be checked in the next submission.			Partly resolved	To be checked if CRT tables are filled in correctly in next submission for Diesel PC!  To be checked if clear explanations are given in next submission NID for petrol PC!							
6		Thank you very much for your reply. We do not have a follow up question. The			Partly	To be checked if CRT tables are filled in correctly in next							

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ManualGeneralEnergyIPPUAgricultureWasteTabelle2+

# Support on the GHG Inventory from the EEA to the Energy Community Contracting Parties

The first GHG Inventory Component was launched last year October 2024 till end of September 2025.

The second GHG Inventory Component will start next month (October 2025) till end of December 2025.





**Thank you!**

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**European Environment Agency**