

Training on preparation and reporting of results of national GHG inventories under the ETF of the Paris Agreement

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Presentation: Introduction to the new requirements for reporting national GHG inventories under the Paris Agreement (MPGs) and associated flexibility provisions.

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Structure of the MPGs

Introduction, purpose, principles of MPGs, clarifications on flexibility, improved reporting over time and reporting format

- I. National inventory report (NIR) of greenhouse gases (GHGs)
- II. Information necessary to track progress made in implementing and achieving NDCs
- III. Information related to climate change impacts and adaptation
- IV. Information support provided and mobilized (Developed countries)
- V. Information on support needed and received
- VI. MPG for technical expert review
- VII. MPG for the facilitative, multilateral consideration of progress (FMCP)

















Reporting the National GHG Inventory under the ETF

- Each Party shall provide a national inventory report (NIR) of anthropogenic emissions by sources and removals by sinks of GHGs
- NIR may be submitted as a stand-alone report or as a component of a BTR
- The submission includes the National Inventory Document (NID) and the common reporting tables (CRTs) for the electronic reporting of the national inventory report
- The CRT are submitted electronically and considered part of the submission, so tables do not need to be reproduced in the BTR itself
- Parties are encouraged to follow the NID outline (Decision 5/CMA.3, annex IV), but it is not mandatory
- For those developing country parties that need flexibility in the light of their capacities, specific flexibility provisions may be applied. In this case you may use the "flex summary table" in the CRTs





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National Inventory Report (NIR) contents



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In italics: "should", "encouraged" and "may" requirements. In **bold**: requirements where flexibility applies.









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National Inventory Report (NIR)

Detail NIR (part of BUR) NIR (part of BTR or stand alone)

Methods to be used: methodologies, parameters and data MPG: 20, 22, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37

IPCC guidelines	 Use IPCC revised guidelines 1996, IPCC GPG 2000 and IPCC 2003 GPG for LULUCF 	Use IPCC Guidelines 2006, and any subsequent version or refinement				
Nationally appropriate methodologies		A Party should use nationally appropriate methodologies if they better reflect its national circumstances and are consistent with the IPCC guidelines				
 Each Party should make every effort to use a recommended method (tier level) for key categories, otherwise may use a Tier 1 approach, but shall clearly document it Parties are encouraged to use country-specific and regional EF and AD, where available, or to propose plans to develop such EF and AD in accordance with the IPCC guidelines 						
KC Analysis		Identify key categories with threshold at 95% (85% if flexibility is needed) Describe KC including information on the approach used for their identification Report individual and cumulative % contributions (level and trend)				
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Common Reporting Tables (CRT)



The CRT include 61 tables to fill:

- Summary report tables
- Sectoral report tables
- Sectoral background data tables
- Cross-cutting tables
- Other tables

Abbreviations and acronyms
Table1
Table1.A(a)s1
Table1.A(a)s2
Table1.A(a)s3
Table1.A(a)s4
Table1.A(b)
Table1.A(c)
Table1.A(d)
Table1.B.1
Table1.B.2
Table1.C
Table1.D
Table2(I)
Table2(I).A-H
Table2(II)
Table2(II)B-Hs1
Table2(II)B-Hs2

Table3.A
<u>Table3.B(a)</u>
Table3.B(b)
Table3.C
Table3.D
Table3.E
Table3.F
Table3.G-J
Table4
Table4.1
Table4.A
Table4.B
Table4.C
Table4.D
Table4.E
Table4.F
Table4(I)
Table4(II)
Table4(III)
Table4(IV)
Table4.Gs1
Table4.Gs2
Table5
Table5.A
Table5.B
Table5.C
Table5.D

Table3

Summary1	
Summary2	
Summary3	
Table6	
Table7	
Table8s1	
Table8s2	
Table9	
Table10s1	
Table10s2	
Table10s3	
Table10s4	
Table10s5	
Table10s6	
Flex_Summary	

https://unfccc.int/documents/311076







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Structure of CRT



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Flexibility in the presentation of GHG inventories

Flexibility for developing countries:

- Self-determined
- Need for flexibility shall be specifically explained
- Plans and time frames for how to meet the full requirements shall be drawn up
- Aiming for a continuous enhancement of the quality over time

The GHG Inventory is the area of the MPGs with more flexibility provisions:

Topics with flexibility:

- Key category analysis (para.25)
- Uncertainty assessment (para.29)
- Use of the notation key "NE" for insignificant categories (para.32)
- QA/QC (para.34 and 35)
- Gases (para.48)
- Time-series (para.57)
- Reporting year (para.58)







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Flexibility in the presentation of GHG inventories

Reference in the MPGs (annex to Decision 18/CMA.1)	Provision in the MPGs	Flexibility provision for those developing country parties that need it in the light of their capacities
Key Category analysis (Paragraph 25)	Parties shall implement the key category analysis consistent with the IPCC guidelines (i.e. apply the 95 per cent threshold defined in the IPCC guidelines).	Identify key categories using a threshold no lower than 85 per cent in place of the 95 per cent threshold defined in the IPCC guidelines.
Uncertainty assessment (Paragraph 29)	Parties shall quantitatively estimate and qualitatively discuss the uncertainty of the emission and removal estimates for all categories, including inventory totals, for at least the starting year and the latest reporting year of the inventory time series, and shall also estimate the trend uncertainty for these same categories/inventory totals for the entire time series.	Provide, at a minimum, a qualitative discussion of uncertainty for key categories, using the IPCC guidelines where quantitative input data are unavailable to quantitatively estimate uncertainties. Parties are also encouraged to provide a quantitative estimate of uncertainty for all source and sink categories of the GHG inventory
Source: Technic Executed by: Funded I		y of the Environment



Flexibility in the presentation of GHG inventories

Reference in the MPGs (annex to Decision 18/CMA.1)	Provision in the MPGs	Flexibility provision for those developing country parties that need it in the light of their capacities
Use of the notation key "NE" (not estimated) (Paragraph 32)	A category should only be considered insignificant if the likely level of emissions is below 0.05 per cent of the national total GHG emissions, excluding LULUCF, or 500 kt CO2eq, whichever is lower. The total national aggregate of estimated emissions for all gases from categories considered insignificant shall remain below 0.1 per cent of the national total GHG emissions, excluding LULUCF.	Consider emissions to be insignificant if the likely level of emissions is below 0.1 per cent of the national total GHG emissions, excluding LULUCF, or 1,000 kt CO2 eq, whichever is lower. The total national aggregate of estimated emissions for all gases from categories considered insignificant, in this case, shall remain below 0.2 per cent of the national total GHG emissions, excluding LULUCF.
QA/QC I (Paragraph 34)	Parties shall elaborate an inventory QA/QC plan in accordance with the IPCC guidelines, including information on the inventory agency responsible for implementing QA/QC.	Encouraged to elaborate an inventory QA/QC plan in accordance with the IPCC guidelines, including information on the inventory agency responsible for implementing QA/QC.
QA/QC II (Paragraph 35) Executed by: Funded I	Parties shall implement and provide information on general inventory QC procedures in accordance with the QA/QC plan and the IPCC guidelines.	Encouraged to implement and provide information on general inventory QC procedures in accordance with the QA/QC plan and the IPCC guidelines.



Flexibility in the presentation of GHG inventories

Reference in the MPGs (annex to	Provision in the MPGs	Flexibility provision for those developing country parties that need it in the light of their capacities		
Decision 18/CMA.1)				
Gases	Parties shall report on seven gases: CO2, CH4, N2O,	Report at least three gases (CO2, CH4 and N2O) as		
(Paragraph 48)	HFCs, PFCs, SF6 and NF3.	well as any of the additional four gases (HFCs, PFCs,		
(Falagiaph 40)		SF6 and NF3) that are included in the Party's NDC		
		under Article 4 of the Paris Agreement, are covered by		
		an activity under Article 6 of the Paris Agreement or		
		have been previously reported.		
Time series	Parties shall report a consistent annual time series	Parties may report data covering, at a minimum, the		
(Paragraph 57)	starting from 1990.	reference year/period for their NDC under Article 4 of		
		the Paris Agreement and, in addition, a consistent		
		annual time series from at least 2020 onward.		
Reporting year	The latest reporting year shall be no more than two	The latest reporting year shall be no more than three		
(Paragraph 58)	years prior to the submission of the national inventory	years prior to the submission of the national inventory		
	report.	report.		

Source: Technical Handbook for developing country Parties on preparing for implementation of the ETF Executed by: Funded by: Implemented by:













on the basis of a decision by the German Bundestag







Flexibility in the presentation of GHG inventories

Cross-Cutting table on Flexibility

Summary table on flexibility provisions

This table is used on a voluntary basis.

MPG flexibility provision	Year	Se clar	Category	Description of the application of the tribility	Charification of capacity constraint	Time Fame for improvement	Progress made in addressing areas of improvement

Source: Technical Handbook for developing country Parties on preparing for implementation of the ETF



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Thank you for your attention!

For more information: https://climate-transparencyplatform.org

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