



CBIT-GSP

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**Introduction to the New Reporting
Requirements for Reporting National GHG
Inventories under the ETF (MPGs)**

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Outline of the BTR (Decision 5/CMA.3, Annex IV)

BTR

National GHG inventory*

Progress made in implementing and achieving NDCs*

Climate change impacts and adaptation (as appropriate)

Financial, technology transfer and capacity-building support

Additional information when NCs and BTRs submitted jointly

Flexibility

Improvements in reporting

ANNEXES

Overview of chapters

- I. National **inventory** report of anthropogenic emissions by sources and removals by sinks of GHGs (**MPGs, para. 17-58**)
- II. Information necessary to **track progress made in implementing and achieving NDCs** under Article 4 of the Paris Agreement (**MPGs, para. 59-103**)
- III. Information related to **climate change impacts and adaptation** under Article 7 of the Paris Agreement (**MPGs, para. 104-117**)
- IV. Information on financial, technology development and transfer and capacity-building support **provided and mobilized** under Articles 9–11 of the Paris Agreement (**MPGs, para. 118-129**)
- V. Information on financial, technology development and transfer and capacity-building **support needed and received** under Articles 9–11 of the Paris Agreement (**MPGs, para. 130-145**)
- VI. Information to be reported **when NCs and BTRs are submitted jointly** every four years (**1/CP.24, para. 43**) (*vulnerability assessment, cc impacts and adaptation measures-if not reported in section III; RSO; education, training and public awareness*)
- VII. Information on **flexibility** (**MPGs, para. 6**) (*Indication of (1) reporting provisions to which self-determined flexibility is applied, (2) capacity constraints in relation to the application of flexibility and (3) self-determined estimated time frames for improvements in relation to those capacity constraints*)
- VIII. **Improvements in reporting** over time (**MPGs, para. 7-8**) (*areas of improvement, how these will be addressed, which areas are related to flexibility provisions, reporting-related CB support needs*)
- IX. Any other information the Party considers relevant to the achievement of the objective of the Paris Agreement, and suitable for inclusion in its BTR

Annexes: (i) **Technical annexes for REDD+**, as applicable; (ii) **CRTs for electronic reporting of NIR**; (iii) **CTFs for electronic reporting of tracking progress in NDCs, FTC support** provided/mobilized and/or needed and received; (iv) Information in relation to the Party's **participation in cooperative approaches**, as applicable

NATIONAL INVENTORY REPORT OF ANTHROPOGENIC EMISSIONS BY SOURCES AND REMOVALS BY SINKS OF GREENHOUSE GASES – 18/CMA.1

A. Definition of Principles - IPCC 2006 Guidelines TACCC

B. National Circumstances and institutional arrangements

C. Methods

- Methodologies, parameters and data
- Key category analysis
- Time-series consistency and recalculations
- Uncertainty assessment
- Assessment of completeness
- Quality assurance/quality control

D. Metrics

E. Reporting guidance

- Information on methods and cross-cutting elements
- Sectors and gases
- Time series

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)

Flexibility provisions

GHG Inventory		Para
Key category Analysis	Option to identify fewer key categories; less complex methodologies can be used to estimate GHG emissions and removals for categories that are not key	25
Uncertainty assessment	Option to omit reporting of quantitative uncertainty information if data are not available	29
Completeness	Option to omit estimation of more insignificant categories	32
QA/QC	Option to neither develop a formal QA/QC plan nor provide information on general QC procedures implemented	34 & 35
Gases	Option to report fewer GHGs	48
Time series	Option to report a shorter time series and an earlier “latest reporting year”	57&58

National Inventory Report (NIR)

Detail	NIR (part of BUR)	NIR (part of BTR or stand alone)
		Inventory reporting and information to be reported: 18/CMA 1 - MPG: 38, 12, 17, 18, 19, 47, 58
Submission requirements	<ul style="list-style-type: none"> Developing countries should submit updates of national GHG inventories including a national inventory report 	<ul style="list-style-type: none"> Each Party shall provide a national inventory report Latest reporting year shall be no more than 2 years prior to the submission of the NIR (3 years prior to the submission if flexibility is needed)
Reporting form	<ul style="list-style-type: none"> GHG Inventory chapter NIR (encouraged) 	<ul style="list-style-type: none"> National Inventory Document (NID) Common Reporting Tables (CRT)
National circumstances	<ul style="list-style-type: none"> <i>Describe procedures and arrangements to collect data and information on the role of the institutions involved</i> 	Provide information on national circumstances and institutional, legal and procedural arrangements: <ul style="list-style-type: none"> National entity or national focal point The inventory preparation process The archiving of all information for the reported time-series The processes in place for the official consideration and approval of the inventory

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

National Inventory Report (NIR)

Detail	NIR (part of BUR)	NIR (part of BTR or stand alone)
		Information to be reported: sectors and gases based on decision 18/CMA 1. MPG: 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58
Time series	<ul style="list-style-type: none"> Encouraged to provide time series back to the years reported in the previous NC.(in NC, no time series but inventories for the year 1994/1990, for first NC, and 2000 for second NC) 	<ul style="list-style-type: none"> Time series shall start from 1990 (as a minimum the reference years for the respective NDC and a consistent annual time series from at least 2020 onwards, if flexibility is needed)
Gases	<ul style="list-style-type: none"> CO₂, CH₄, and N₂O HFCs, PFCs, SF₆, CO, NO_x, NMVOC, and SO_x. Provide emissions and removals on a gas-by-gas basis and in units of mass 	<ul style="list-style-type: none"> CO₂, CH₄, N₂O, HFCs, PFCs, SF₆ and NF₃ (flexibility to report at least first three and not the gases in blue) CO, NMVOCs, SO_x, NO_x, indirect CO₂ from atmospheric oxidation of CH₄, CO and NMVOCs (should)
Sectors	<ul style="list-style-type: none"> Energy Industrial Processes and Solvent and Other Product Use Agriculture LULUCF Waste (IPCC 1996)	<ul style="list-style-type: none"> Energy Industrial Processes and Product Use Agriculture LULUCF Waste (IPCC 2006)

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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 – 18/CMA. 1 MPG: 20, 22, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37
Methodology	<ul style="list-style-type: none"> Use IPCC revised guidelines 1996, IPCC GPG 2000 and IPCC 2003 GPG for LULUCF 	<ul style="list-style-type: none"> Use IPCC Guidelines 2006, and any subsequent version or refinement
Nationally appropriate methodologies		<ul style="list-style-type: none"> A Party should use nationally appropriate methodologies if they better reflect its national circumstances and are consistent with the IPCC guidelines
Tiers and country-specific EF and AD		<ul style="list-style-type: none"> 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		<ul style="list-style-type: none"> 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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National Inventory Report (NIR)

Detail	NIR (part of BUR)	NIR (part of BTR or stand alone)
		<p>Methods to be used: methodologies, parameters and data – 18/CMA. 1</p> <p>MPG: 20, 22, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 35, 36, 37, 43, 45</p>
<p>QA/QC</p>	<ul style="list-style-type: none"> <i>Encouraged to apply the IPCC Good Practice Guidance</i> 	<ul style="list-style-type: none"> Each Party shall elaborate an inventory quality assurance/quality control (QA/QC) plan and shall implement and provide info on QC procedures following IPCC guidelines (If flexibility is needed this provision is only encouraged). Report QA/QC procedures already implemented or to be implemented in the future
<p>Metrics</p>	<ul style="list-style-type: none"> <i>should use the GWP using the 100-year time horizon and CO2e for aggregated</i> 	<ul style="list-style-type: none"> Use the 100-year time-horizon GWP to report aggregate emissions and removals of GHGs, expressed in CO2e

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National Inventory Report (NIR)

Detail	NIR (part of BUR)	NIR (part of BTR or stand alone)
		Reference: 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, 43, 45
Consistency and recalculations		<ul style="list-style-type: none"> • The same methods and approach to underlying AD and EF should be used consistently for each reported year • If missing emission values resulting from a lack of AD, EF or other parameters, IPCC splicing techniques should be used • If changes in the methods/assumptions, important to recalculate the complete time-series to not affect emission trends
Uncertainty assessment	<ul style="list-style-type: none"> • <i>Encouraged to provide information on the level of uncertainty, and to describe the methodologies used, if any, for estimating these uncertainties.</i> 	<ul style="list-style-type: none"> • Uncertainty for all source and sink categories shall be quantitatively estimated and qualitatively discussed, at least the starting year and the latest reporting year of the inventory time series. <i>(Qualitative analysis where quantitative data is unavailable if flexibility is needed)</i>
Insignificant categories	<ul style="list-style-type: none"> • <i>Encouraged to apply the IPCC Good Practice Guidance</i> 	<ul style="list-style-type: none"> • NE (Not Estimated) if emissions from a is considered insignificant: likely level of emissions is below 0.05% of the national total GHG emissions, excluding LULUCF and 500 kt CO₂ eq, whichever is lower. Total national aggregate of estimated emissions for all gases from categories considered insignificant shall remain below 0.1% of the national total GHG emissions, excluding LULUCF. <i>(If flexibility is needed all numbers x2)</i>

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National Inventory Report (NIR)

Detail	NIR (part of BUR)	NIR (part of BTR or stand alone)
		Information to be reported: methods and cross-cutting elements - 18/CMA.1 - MPG: 39, 40, 41, 42, 44, 46 a
Information on methods		<ul style="list-style-type: none"> • Report on methods used, including rationale for selection of these methods • Information on EF and AD used at the most disaggregated level, to the extent possible
Lack of completeness		<ul style="list-style-type: none"> • If some IPCC sources/sinks are not considered, the Party should clearly indicate the main explain reasons for exclusion • Notation Keys must be used where numerical data are not available • Once emissions have been estimated for a category, these must be reported in subsequent submissions if they continue to occur • Report information on reasons for a lack of completeness, including information on any methodological or data gaps
QA/QC		<ul style="list-style-type: none"> • Report QA/QC procedures already implemented or to be implemented in the future

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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 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



NATIONAL INVENTORY REPORT OF ANTHROPOGENIC EMISSIONS BY SOURCES AND REMOVALS BY SINKS OF GREENHOUSE GASES

Thank you for your attention!



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