

Capacity Building Initiative for Transparency - Global Support Programme (CBIT-GSP) : Asia Region

Welcome to Virtual Exchange Webinar on Enhancing National Greenhouse Gas Inventory Management System for Nepal

27 August 2023

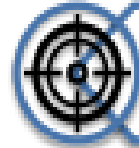
Transparency arrangements

Measurement,
Reporting and
Verification (MRV)
under the
Convention

Enhanced
Transparency
Framework (ETF)
under the Paris
Agreement



To communicate the information relevant to the implementation, including on emissions and removals, actions and support;



To provide accurate and reliable data and information;



To build trust and confidence among the Parties;

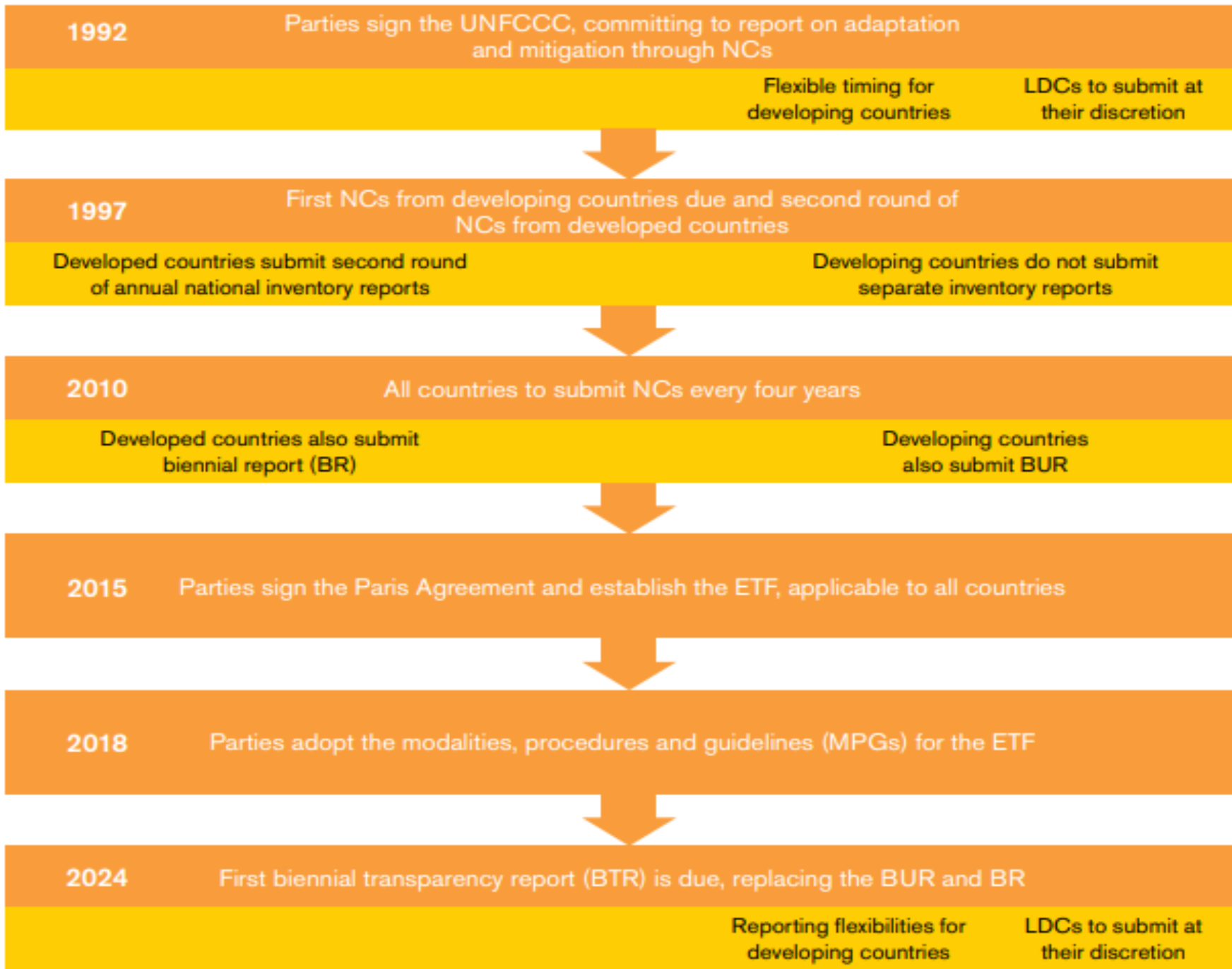


To promote effective implementation.

And additional benefits including;

- informing domestic policies, plans, strategies and programs;
- improved access to support;
- capacity building;
- political buy-in;
- increased awareness.

ETF in the UNFCCC



Elements of Article 13 of the Paris Agreement

Paris 2015

Enhanced transparency framework (Article 13 of the Paris Agreement)

Transparency of action (Article 13.7 and 13.8)

Transparency of support (Article 13.9 and 13.10)

Review and consideration (Article 13.11 and 13.12)

Katowice 2018

Modalities, procedures and guidelines (MPGs) (Annex to Decision 18/CMA.1)

I. Introduction

II. National inventory report

III. Information necessary to track progress

IV. Impacts and adaptation

V. Support provided and mobilized

VI. Support needed and received

VII. Technical expert review

VIII. Facilitative, multilateral consideration of progress

Glasgow 2021

Transparency guidance (Decision 5/CMA.3)

Annex IV – **Outline** of the biennial transparency report

Annex I – **Common reporting tables**

Annex V – **Outline** of the national inventory document

Annex II – **Common tabular formats**

Annex III – **Common tabular formats**

Annex VII – **Training programme** for technical experts

Annex VI – **Outline** of the technical expert review report

Elements of Article 13 of the Paris Agreement

- **Paris Agreement** adopted on 12.12.2015
- Article 13: **Enhanced Transparency Framework** established for reporting and review to ensure transparency of action and support
- COP24 (Dec 2018) - Adopted detailed set of **modalities, procedures and guidelines (MPGs)** (18/CMA.1) that makes ETF operational
- COP26 (5/CMA.3) - ground for implementing the ETF by all Parties - Guidance operationalizing the ETF modalities, procedures and guidelines
 - Common reporting tables (**CRTs**) for electronic reporting of GHG emissions/removals;
 - Common tabular formats (**CTFs**) for electronic reporting on progress in NDCs
 - Common tabular formats (**CTFs**) for electronic reporting of information on financial, technology, capacity support needed, received, provided, mobilized
- **31st December 2024 deadline** for submission of 1st Biennial Transparency Report

Existing MRV arrangements

Biennial update reports

National greenhouse gas inventory

Mitigation actions and their effects

Finance, technology and capacity-building needs

Cancun Agreements (1/CP.16) and Durban Outcomes (2/CP.17)

National communications

National greenhouse gas inventory

Programmes containing measures to facilitate adaptation to climate change

Programmes containing measures to mitigate climate change

Transfer of technology

Research and systematic observation

Education, training and public awareness

Capacity-building

Information and networking

Constraints and gaps, and related financial, technical and capacity-building needs

Article 4.1 and 12.1 of the Convention; decision 17/CP.8

Enhanced Transparency Framework

Biennial transparency reports

National greenhouse gas inventory

Progress made in implementing and achieving NDCs

Climate change impacts and adaptation (as appropriate)

Financial, technology transfer and capacity-building support needed and received

Flexibility

Areas of improvement

Article 13 of the Paris Agreement; decisions 18/CMA.1, 5/CMA.3

Overview of ETF by Article 13 of the PA

Reporting

All Parties (shall)

- » National greenhouse gas (GHG) inventory report {Article 13.7(a)}
- » Progress made in implementing and achieving nationally determined contribution (NDC) {Article 13.7(b)}

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Developed country Parties (shall) and other Parties that provided support (should)

- » Financial, technology transfer and capacity-building support provided to developing country Parties under Article 9, 10 and 11 {Article 13.9}

All Parties (should, as appropriate)

- » Climate change impacts and adaptation {Article 13.8}

Developing country Parties (should)

- » Financial, technology transfer and capacity-building support needed and received under Articles 9, 10 and 11 {Article 13.10}

Technical expert review

All Parties (shall)

- » Undergo technical expert review of information submitted under Article 13.7 {Article 13.11}

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Developed country Parties (shall) and other Parties that provided support (may)

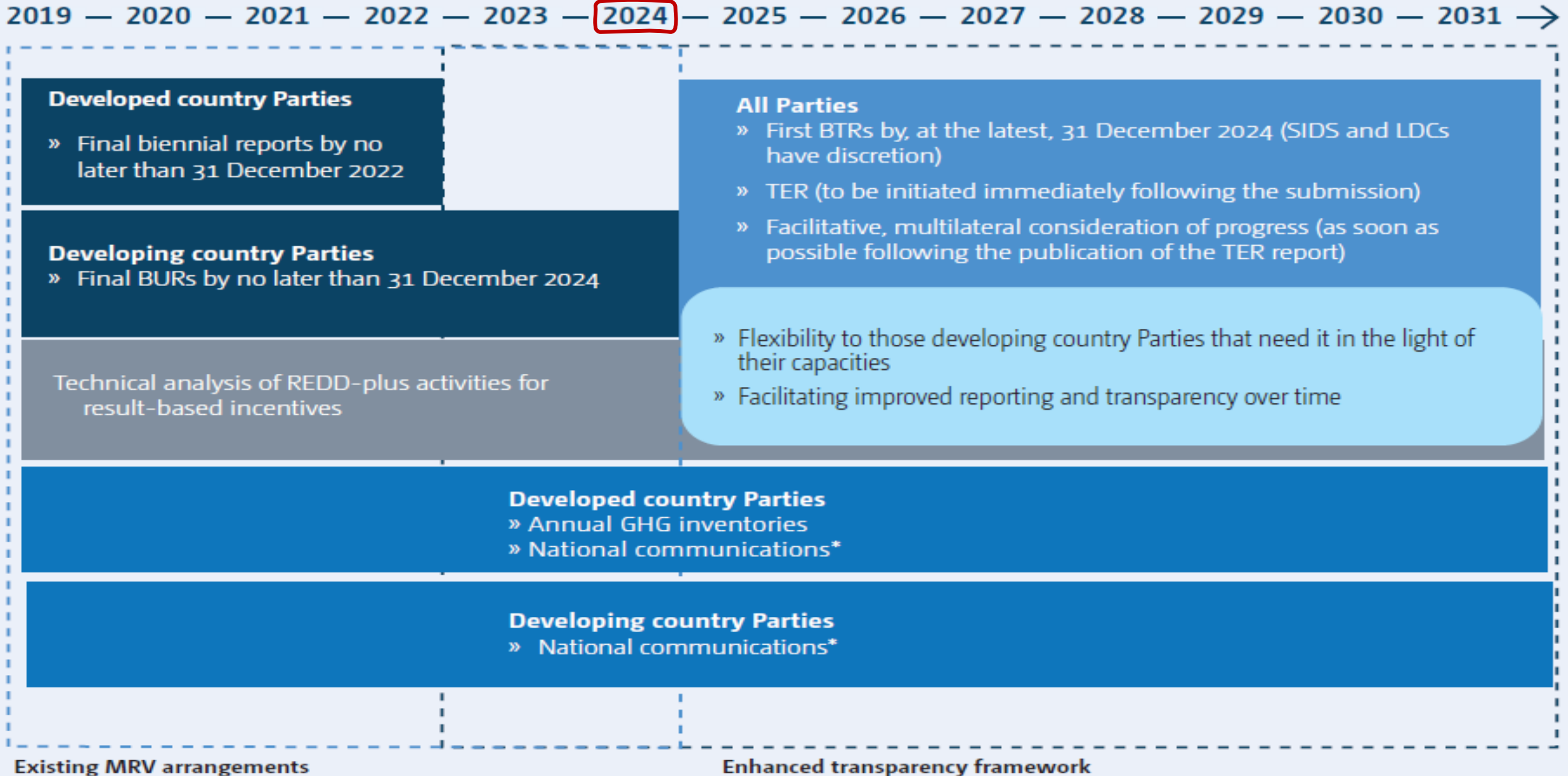
- » Undergo technical expert review of information submitted under Article 13.9 {Article 13.11}

Facilitative multilateral consideration

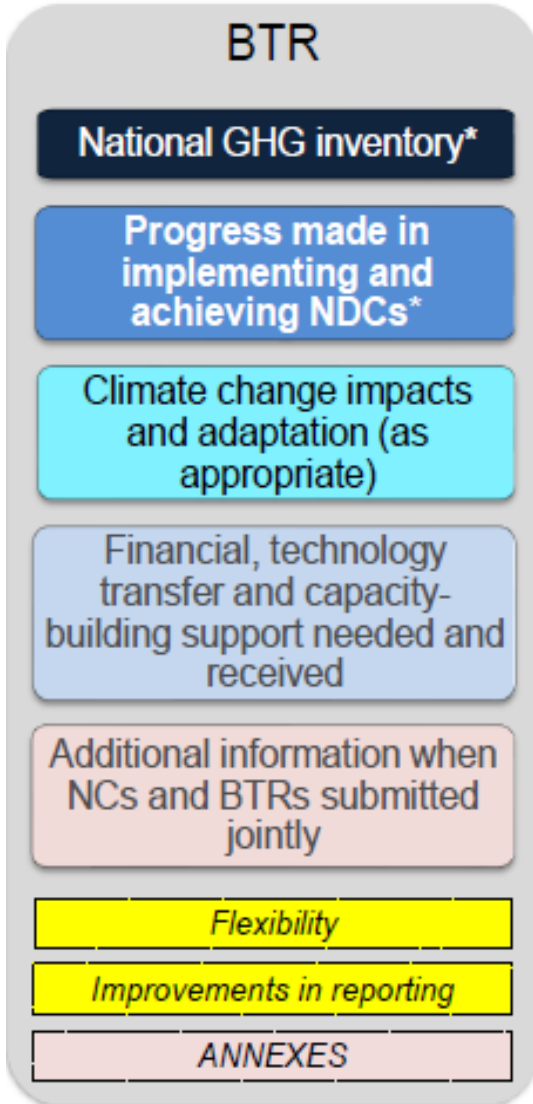
All Parties (shall)

- » Facilitative multilateral consideration of progress with respect to efforts under Article 9, and its respective implementation and achievement of its NDCs {Article 13.11}

Indicative timeline of moving towards the ETF



Outline of the BTR



- 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

Overview of the BTR, NID and TERR outlines

Outline of the biennial transparency report

- Overview chapter
- I. National inventory report
- II. Information necessary to track progress
- III. Impacts and adaptation
- IV. Support provided and mobilized
- V. Support needed and received
- VI. Information related to national communications
- VII. Information on flexibility
- VIII. Improvements in reporting over time
- IX. Any other information
- Annexes

Outline of the national inventory document

- Executive summary
- 1. National circumstances, institutional arrangements and cross-cutting information
- 2. Trends in greenhouse gas emissions and removals
- 3. Energy
- 4. Industrial processes and product use
- 5. Agriculture
- 6. Land use, land-use change and forestry
- 7. Waste
- 8. Other
- 9. Indirect CO₂ and N₂O emissions
- 10. Recalculations and improvements
- Annexes

Outline of the technical expert review report

- Abbreviations and acronyms
- I. Introduction and summary
- II. Technical review of the information reported
 - National inventory
 - Information necessary to track progress
 - Support provided
 - Identification of areas of improvement
 - Identification of capacity building needs
- III. Conclusions and recommendations
- Annex

Chapters related to action

Chapters related to support

Cross-cutting chapters

Overview of common reporting tables

Tables 1	Sectoral report for energy 11 background tables for energy
Tables 2	2 sectoral reports for industrial processes and product use (IPPU) 3 background tables for IPPU
Tables 3	Sectoral report for agriculture 8 background tables for agriculture
Tables 4	Sectoral report for land use, land-use change and forestry (LULUCF) 13 background tables for LULUCF
Tables 5	Sectoral report for waste 4 background tables for Waste
'Summary'	3 summary reports (sources and sinks; CO ₂ equivalents; methods and emission factors)
Tables 6-9	5 cross-cutting reports (indirect emissions; key categories; recalculations; completeness)
Tables 10	6 trend tables (CO ₂ equivalents; CO ₂ ; CH ₄ ; N ₂ O; fluorinated gases; summary)
'Flex'	Summary table on the use of flexibility provisions

CRTs for the electronic reporting of the information in the national inventory reports of anthropogenic emissions by sources and removals by sinks of greenhouse gases, contained in decision 5/CMA.3, annex I.

CTFs for the electronic reporting of the information necessary to track progress made in implementing and achieving nationally determined contributions under Article 4 of the Paris Agreement, contained in decision 5/CMA.3, annex II.

CTFs for the electronic reporting of the information on financial, technology development and transfer and capacity-building support provided and mobilized, as well as support needed and received, under Articles 9–11 of the Paris Agreement, contained in decision 5/CMA.3, annex III.

Contents of MPGs as contained in **Annex to 18/CMA.1**

- **Introduction** (para 1 to 16): Purpose, Guiding Principles, Flexibilities, improved reporting over time, reporting format
- **National GHG inventory** (para 17 to 58) : national circumstances and institutional arrangements, Methods (key category analysis, time-series consistency, recalculations, uncertainty assessment, completeness, QA/QC), Metrics, Reporting (sectors and gases, time series)
- **NDC Tracking** (para 59 to 79) : national circumstances and institutional arrangements, NDC description, information on indicators, definitions, methodology and accounting approach)
- **Mitigation** (para 80 to 103)
- **Adaptation** (para 104 to 117)
- **FTC Support provided and mobilized** (para 118 to 129)
- **FTC Support needed and received** (para 130 to 145)
- **Technical Expert Review** (para 146 to 188)
- **Facilitative, multilateral consideration of progress** (FMCP) (para 189 to 199)

- Specific flexibility provisions are provided in relation to:
 - Reporting anthropogenic emissions by sources and removals by sinks of GHG in the national inventory report
 - Reporting information to track progress in implementing and achieving the nationally determined contribution
 - Technical expert review
 - Facilitative, multilateral consideration of progress
- Use the new notation key “FX” (flexibility) in the relevant common reporting tables or common tabular formats
- Need to provide an explanation of how the specific flexibility provision has been applied in the corresponding documentation box below CRTs and CTFs

**Area for flexibility
(decision 18/CMA.1,
Annex)**

**MPG provision (decision 18/CMA.1,
Annex)**

**Those developing country
Parties that need flexibility in
the light of their capacities with
respect to this provision...**

**Key category
analysis Para. 25**

Each Party shall identify key categories for the starting year and the latest reporting year referred to in chapter II.E.3 below, including and excluding land use, land-use change and forestry (LULUCF) categories, using approach 1, for both level and trend assessment, by implementing a key category analysis consistent with the IPCC guidelines referred to in paragraph 20 above;

[...] have the flexibility to instead 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 referred to in paragraph 20 above, allowing a focus on improving fewer categories and prioritizing resources.

**Area for flexibility
(decision 18/CMA.1,
Annex)**

MPG provision (decision 18/CMA.1, Annex)

**Those developing country Parties
that need flexibility in the light of
their capacities with respect to this
provision...**

**Uncertainty
assessment Para. 29**

Each Party shall quantitatively estimate and qualitatively discuss the uncertainty of the emission and removal estimates for all source and sink categories, including inventory totals, for at least the starting year and the latest reporting year of the inventory time series referred to in paragraphs 57 and 58 below. Each Party shall also estimate the trend uncertainty of emission and removal estimates for all source and sink categories, including totals, between the starting year and the latest reporting year of the inventory time series referred to in paragraphs 57 and 58 below, using at least approach 1, as provided in the IPCC guidelines referred to in paragraph 20 above;

[...] have the flexibility to instead provide, at a minimum, a qualitative discussion of uncertainty for key categories, using the IPCC guidelines referred to in paragraph 20 above, where quantitative input data are unavailable to quantitatively estimate uncertainties, and are encouraged to provide a quantitative estimate of uncertainty for all source and sink categories of the GHG inventory.

**Area for flexibility
(decision
18/CMA.1, Annex)**

**MPG provision (decision 18/CMA.1,
Annex)**

**Those developing country Parties that need
flexibility in the light of their capacities with
respect to this provision...**

**Quality
assurance/quality
control Para. 34**

Each Party shall elaborate an inventory
QA/QC plan in accordance with the
IPCC guidelines referred to in
paragraph 20 above, including
information on the inventory agency
responsible for implementing QA/QC;

[...] are instead encouraged to elaborate an
inventory QA/QC plan in accordance with the
IPCC guidelines referred to in paragraph 20
above, including information on the inventory
agency responsible for implementing QA/QC.

**Quality
assurance/quality
control Para. 35**

Each Party shall implement and provide
information on general inventory QC
procedures in accordance with its
QA/QC plan and the IPCC guidelines
referred to in paragraph 20 above;

[...] are instead encouraged to implement and
provide information on general inventory QC
procedures in accordance with its QA/QC plan
and the IPCC guidelines referred to in
paragraph 20 above.

Key points in the BTR to facilitate transparency

- Carefully review decisions **18/CMA.1** and **5/CMA.3**, in particular references to the items that “shall” be reported (i.e. are mandatory) versus those that “should be”, are “encouraged” to be, “can be” or “may be” reported.
- Provide all information required by the provisions in decision 18/CMA.1 in the BTR, the **CRTs and the CTF tables**, to the extent applicable, which will enhance the transparency of the BTR.
- In the case of developing country Parties that need **flexibility** in the light of their capacities, identify the capacity-building constraints preventing implementation of a specific provision and the anticipated timeline for addressing those constraints.
- Regularly submitting BTRs is a cycle of **continuous improvement**. It is expected that the information available to Parties and the reporting capacities of Parties are at different stages of development but will improve over time.



CBIT-GSP

CLIMATE TRANSPARENCY



copenhagen
climate centre

Thank you for your attention

Please reach out to us for any question,
comments or suggestions!



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