



सत्यमेव जयते



LIFE
Lifestyle for
Environment



Enhanced Transparency Framework and Biennial Transparency Report

Ministry of Environment, Forest and Climate Change
Government of India



Presentation Outline

- Transparency Framework vis a vis Enhanced Transparency Framework
- Common Modalities, Procedures and Guidelines
- Biennial Transparency Report Outline and Chapters
- Common Reporting Tables and Formats



Transparency Framework

- **National Communications:** UNFCCC Articles 4.1 and 12.1
- Developing Parties' NC Guidelines : Decision **17/CP.8**
- **Biennial Update Reports:** Decisions 1/CP.16 and 2/CP.17

	Developed Parties (Annex I)	Developing Parties (Non-Annex I)
Reporting	<ul style="list-style-type: none"> • National Communication (NC) • Biennial Report (BR) • Annual GHG Inventory 	<ul style="list-style-type: none"> • National Communication (NC) • Biennial Update Report (BUR)
Verification	<p>Review of NC, GHG Inventory and BR by International Assessment & Review (IAR)</p> <ul style="list-style-type: none"> ▪ Technical review by international expert review team (ERT) ▪ Multilateral Assessment (MA) 	<p>Review of BUR by International Consultation & Analysis (ICA)</p> <ul style="list-style-type: none"> ▪ Technical review by Team of Technical Experts (TTE) ▪ Facilitative Sharing of Views (FSV)

Reporting Requirements under 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



Enhanced Transparency Framework

	Under UNFCCC	Under Paris Agreement
Reporting	<ul style="list-style-type: none"> • Different reporting guidelines for developed and developing countries 	<ul style="list-style-type: none"> • Common Modalities, Procedures and Guidelines • Flexibility provided for developing countries
Reporting vehicles	<ul style="list-style-type: none"> • National Communication 	<p>All countries to submit</p> <ul style="list-style-type: none"> • NC (every 4-5 years) • Biennial transparency report every 2 years <p>BTR scope expanded to include</p> <ul style="list-style-type: none"> • Tracking progress of NDCs • Voluntary information on climate change impacts and adaptation

Enhanced Transparency Framework

	Under UNFCCC	Under Paris Agreement
Verification	<ul style="list-style-type: none">Review of NCs of developed countries will continue	<p>BTRs of all countries will undergo</p> <ul style="list-style-type: none">Technical Expert Review (TER)Facilitative Multilateral Consideration of Progress (FMCP)

Reporting, review and consideration of reports under the Paris Agreement and under the Convention

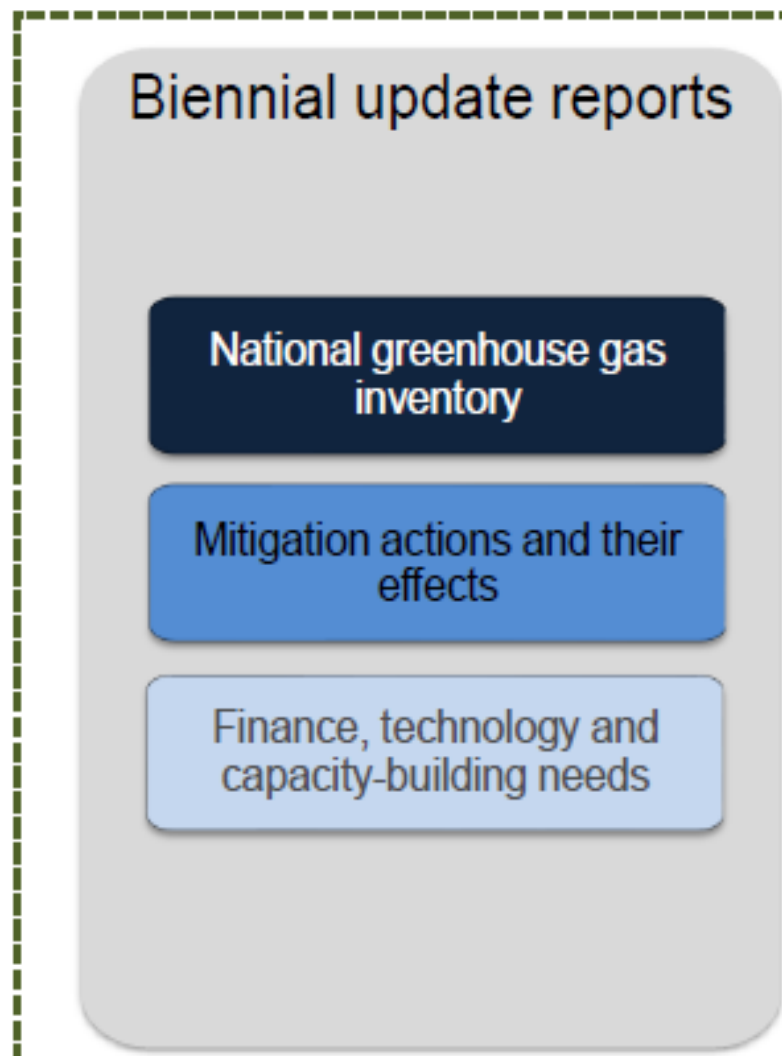
	Reporting	Review	Consideration of reports
Paris Agreement (All countries)	<div style="border: 1px solid blue; padding: 2px;">Biennial transparency report</div> <div style="border: 1px solid blue; padding: 2px;">National inventory report</div>	<div style="border: 1px solid red; padding: 2px;">Technical expert review</div>	<div style="border: 1px solid red; padding: 2px;">Facilitative, multilateral consideration of progress</div>
Convention	<div style="border: 1px solid blue; padding: 2px;">Biennial report (Developed countries)</div> <div style="border: 1px solid blue; padding: 2px;">Biennial update report (Developing countries)</div>	<div style="border: 1px solid red; padding: 2px;">Technical expert review (Developed countries)</div> <div style="border: 1px solid red; padding: 2px;">Technical analysis (Developing countries)</div>	<div style="border: 1px solid red; padding: 2px;">Multilateral assessment (Developed countries)</div> <div style="border: 1px solid red; padding: 2px;">Facilitative sharing of views (Developing countries)</div>
Convention	<div style="border: 1px solid blue; padding: 2px;">National communication (All countries)</div> <div style="border: 1px solid blue; padding: 2px;">Annual national inventory report (Developed countries)</div>	<div style="border: 1px solid red; padding: 2px;">Technical review (Developed countries)</div> <div style="border: 1px solid red; padding: 2px;">Technical review (Developed countries)</div>	

Arrangements which will be superseded by the arrangements under the Paris Agreement

Arrangements which will continue, but can be combined with the arrangements under the Paris Agreement

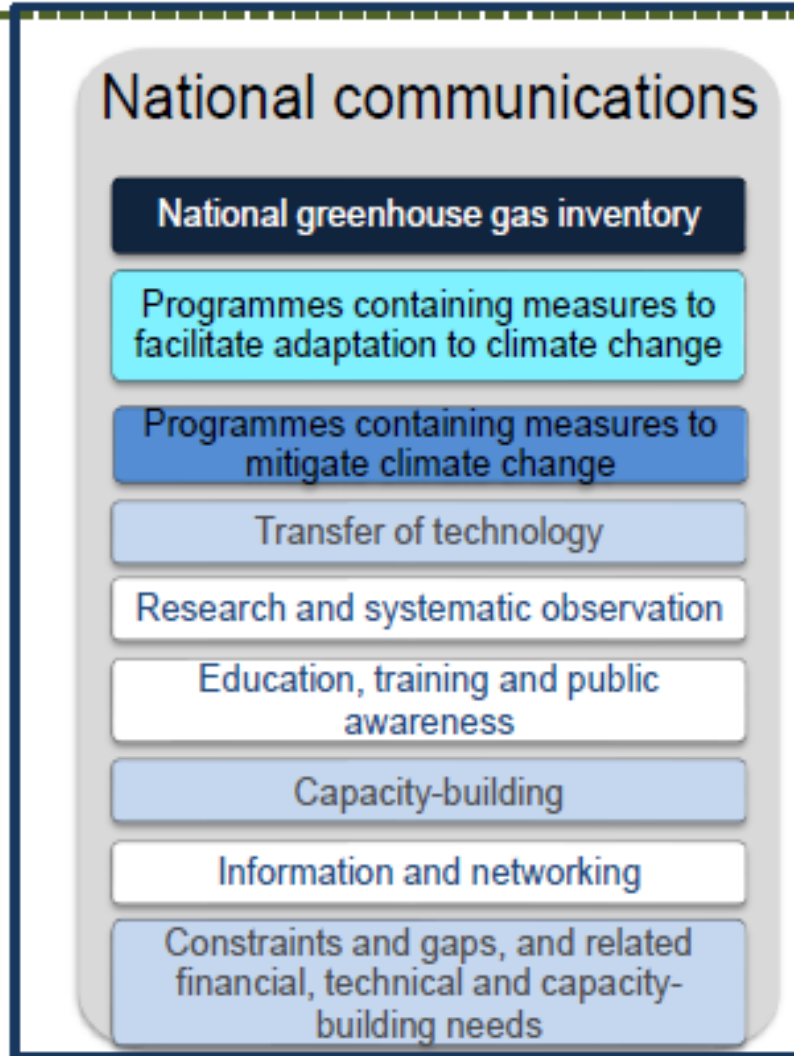
ETF vs. Existing MRV arrangements: reporting themes

Existing MRV arrangements

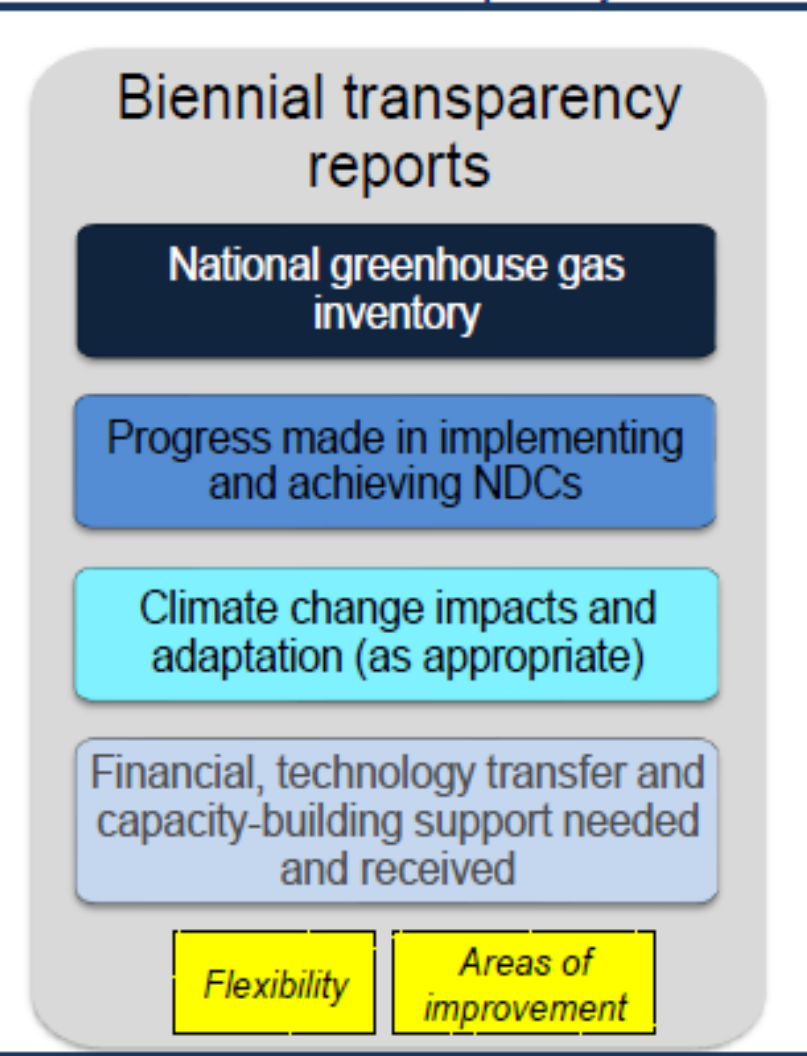


Cancun Agreements (1/CP.16)
and Durban Outcomes (2/CP.17)

Enhanced Transparency Framework



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



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

Common

**Modalities Procedures and
Guidelines**



MPGs

- Pursuant to Paris Agreement **Article 13.13**
- To be **reviewed in 2028** on the basis of experience in reporting, review and consideration of report
- **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)

Contents of MPGs

- **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)



Flexibility provisions for developing country Parties

- ❖ Flexibility available to those developing countries that need it in light of their capacities.
- ❖ Flexibility is self-determined by those developing countries who elect to apply it.
- ❖ For each flexibility provided, Party is required to explain capacity constraint that does not allow them to apply the full provision and is required to provide its anticipated timeframe for improvements.
- ❖ Technical expert review team cannot review the Party's determination to apply for a flexibility provision, including estimated time frame for improvement, nor can it assess whether the Party has the capacity to implement the provision without flexibility.



Flexibility provisions

Area of flexibility	18/CMA.1 Ref	Flexibility provision
Key category analysis	Para 25	To identify key categories using a threshold no lower than 85% in place of 95% defined in IPCC guidelines.
Uncertainty analysis	Para 29	To provide, at a minimum, a qualitative discussion of uncertainty for key categories, using IPCC guidelines, both for latest inventory year and trend, instead of quantitatively estimating and qualitatively discussing uncertainty of emissions and removal estimates for all categories, including inventory totals, for at least starting year and latest reporting year of inventory time series and also estimating trend uncertainty for these same categories/ inventory totals for entire time series.
Completeness	Para 32	To consider emissions insignificant if the likely level of emissions is below 0.1 % of national total GHG emissions, excluding LULUCF, or 1,000 kt CO ₂ eq, whichever is lower. For the Parties that do use flexibility provisions, a category can only be considered insignificant if likely emissions is below 0.05% of national GHG emissions, excluding LULUCF, or 500 kt CO ₂ eq, whichever is lower. If flexibility is chosen, the national aggregate of estimated emissions for all gases from insignificant categories shall remain below 0.2% of total GHG emissions, excluding LULUCF, as opposed to 0.1% for other Parties.

Flexibility provisions

Area of flexibility	18/CMA .1 Ref	Flexibility provision
QA/QC	Para 34	Are encouraged to elaborate an inventory QA/ QC plan in accordance with IPCC guidelines, including information on inventory agency responsible for implementing QA/QC; instead of a mandatory requirement to elaborate QA/QC plan for other Parties.
	Para 35	Are encouraged to implement and provide information on general inventory QC procedures in accordance with their QA/QC plan and IPCC guidelines; instead of mandatory requirement to implement and provide this information
Gases	Para 48	To report at least 3 gases (CO ₂ , CH ₄ , N ₂ O) as well as any of additional 4 gases (HFCs, PFCs, SF ₆ , NF ₃) that are included in Party's NDC under Article 4 of PA or have been previously reported; instead of mandatory requirement to report on the basket of 7 gases.
Time series	Para 57	To report data covering, at a minimum, the reference year/ period for its NDC and, in addition, a consistent annual time series from at least 2020 onwards; instead of mandatory requirement to report a consistent annual time series starting from 1990.
	Para 58	The latest reporting year shall be no more than three years prior to submission of national inventory report, compared to no more than 2 years for Parties to which flexibility is not applicable.

Flexibility provisions

Area of flexibility	18/CMA .1 Ref	Flexibility provision
Estimates of expected and achieved GHG emission reductions	Para 85	Encouraged to report estimates of expected and achieved GHG emission reductions for their actions, policies and measures in tabular format; instead of a mandatory requirement to report this information.
Projection of GHG emissions and removals	Para 92	Encouraged to report projections pursuant to para 93-101 of MPGs; instead of a mandatory requirement to report this information.
	Para 95	Flexibility to extend projections at least to the end point of their NDCs; instead of extending for at least 15 years beyond the next year ending in zero or five applicable for other Parties.
	Para 102	To report less detail information (methodology and coverage).
Format for review	Para 159	To undergo a centralized instead of an in-country review but are encouraged to undergo an in-country review. Parties that are not subject to flexibility shall undergo an ICR for first BTR, at least 2 BTRs in a 10-year period (of which one contains Party's progress of NDC), if there was a recommendation in previous BTR or if Party request it.

Flexibility provisions

Area of flexibility	18/CMA. 1 Ref	Flexibility provision
Responding to TERT questions	Para 162 (c)	To provide information within 3 weeks of the date the questions were received, compared to 2 weeks for other Parties.
Responding to TERT's review	Para 162 (f)	To take 3 months to provide comments to the draft report, compared to 1 month applicable for other Parties.
Responding to written questions	Para 193 (c)	To respond in writing to Parties questions no later than 2 weeks prior to the working group session through an online platform, compared to no later than 1 month applicable for other Parties.

Transition to ETF

Superseding MPG provisions (*decision 18/CMA.1*)

- ❖ Reporting of BR/BUR under UNFCCC will be superseded by Biennial Transparency Report (BTR) for PA Parties.
- ❖ Review of BR and technical analysis of BUR will be superseded by technical expert review for PA Parties.
- ❖ Multilateral assessment (MA) and facilitative sharing of views (FSV) will be superseded by facilitative multilateral consideration of progress (FMCP) for PA Parties.

As per decision *1/CP.24, para 44* – Parties to UNFCCC that are not Parties to PA will continue with existing annual GHG inventory, IAR and ICA processes, as appropriate.



Transition to ETF

Reporting elements NOT superseded by MPG provisions (*decision 18/CMA.1*)

- ❖ **National communications (NATCOMs)** must continue to be submitted by Annex I and non-Annex I Parties.
- ❖ **Annual GHG inventory** must continue to be submitted by Annex I Parties. In years in which BTR is due, GHG inventory can be submitted as stand-alone report or as section of BTR (*18/CMA.1*). If submitted as stand-alone report, a summary of Party's GHG emissions/ removals must be included in BTR (*19/CMA.1*).
- ❖ **Technical annex on REDD+** to be reported by Parties seeking results-based payment (*14/CP.19, para 7*) as annex to BTR and is reviewed during review of BTR (*1/CP.24, para 45-46*).

Transition to ETF

Important timelines

- ❖ **Final BRs** to be submitted as early as due date for annual GHG inventory in 2022 (15 April 2022) and no later than 31 Dec 2022 (*1/CP.24, para 38*). Final BR will include GHG inventory data for 2020 thus allowing assessment of whether Party met its 2020 economy-wide emission reduction targets.
- ❖ **Final BURs** to be submitted no later than 31 Dec 2024 (*1/CP.24, para 38*).
- ❖ **First BTR** must be submitted by all Parties no later than 31 Dec 2024 (*18/CMA.1, para 3*).



BTR

Outline and Chapters

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

Overview chapter

- 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)
- 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

Chapter I: National inventory report of anthropogenic emissions by sources and removals by sinks of GHGs

- Mandate - Paris Agreement, Article 13, para. 7(a) and Decision 18/CMA.1, annex, paras. 17–58
- Which Parties ? - All Parties **shall** report a GHG inventory.
- What is to be reported –
 - ✓ Submission includes - national inventory document and Common Reporting Tables (CRTs).
 - ✓ 2006 IPCC Guidelines (mandatory)
 - ✓ National inventory report may be submitted as a stand-alone document or as a specific section of the BTR
 - ✓ Annex II of 5/CMA.3 contains Common Reporting Tables



Chapter II - Information necessary to track progress made in implementing and achieving the NDC

- Mandate - Paris Agreement, Articles 4 and 13, para 7(b) Decision 18/CMA.1, annex, paras 59–103
- Which Parties ? - All Parties **shall** report a GHG inventory
- What is to be reported –
 - ✓ Information necessary to track progress (e.g. indicators, definitions, methodologies, accounting approaches, use of ITMOs under Article 6, approaches to LULUCF)
 - ✓ Information on mitigation policies and measures, actions and plans, including those with mitigation co-benefits from adaptation actions and economic diversification plans
 - ✓ Summary of GHG emissions and removals (if a stand-alone GHG inventory is submitted)
 - ✓ Projections of GHG emissions and removals



Chapter II - Information necessary to track progress made in implementing and achieving the NDC

- Reporting Format – Common Tabular Formats adopted by CMA in 2021
 - ✓ Description of selected indicators (CTF table 1);
 - ✓ Definitions needed to understand the NDC (CTF table 2);
 - ✓ Methodologies and accounting approaches (CTF table 3);
 - ✓ Tracking progress made in implementing and achieving the NDC (CTF table 4)
 - ✓ Mitigation policies and measures, actions and plans, including those with mitigation co-benefits resulting from adaptation actions and economic diversification plans (CTF table 5);
 - ✓ Summary of GHG emissions and removals (CTF table 6);
 - ✓ Information on projections of GHG emissions and removals, organized as follows:
 - “With measures” scenario (CTF table 7) • “With additional measures” scenario (CTF table 8) • “Without measures” scenarios (CTF table 9) • Projections of key indicators (CTF table 10) • Key underlying assumptions and parameters used (CTF table 11).



Chapter III -Information related to climate change impacts and adaptation

- Mandate - Paris Agreement, Article 7, paras. 10–11, and Article 13, para. 8 and Decision 18/CMA.1, annex, paras. 104–117
- Which Parties - All Parties **should** report this information
- What is to be reported –
 - ✓ Some or all of this chapter of the BTR may serve as the adaptation communication under Article 7, paragraphs 10–11.
 - ✓ If this is the case, it should be clearly stated and the part of the BTR constituting the adaptation communication should be clearly indicated.
 - ✓ National circumstances, institutional arrangements and legal frameworks relevant to this chapter heading • Impacts, risk and vulnerabilities • Adaptation priorities and barriers • Adaptation strategies, policies, plans, goals and actions to integrate adaptation into national policymaking • Progress on the implementation of adaptation • Monitoring and evaluation of adaptation actions and processes • Averting, minimizing and addressing loss and damage associated with climate change impacts • Cooperation, good practices, experience and lessons learned • Other matters deemed relevant by the Party



Chapter IV - Information on FTC support provided and mobilized

- Mandate - Paris Agreement, Articles 9–11 and 13, para. 9 and Decision 18/ CMA.1, annex, paras. 118–129
- Which Parties ? - Developed country Parties **shall** report this information and Other Parties providing support **should** report this information
- What is to be reported –
 - ✓ National circumstances and institutional arrangements relevant to this chapter heading • Underlying assumptions, definitions and methodologies • Financial support provided and mobilized (multilateral channels; bilateral, regional and other channels; and finance mobilized through public interventions) • Support provided for technology development and transfer • Capacity-building support provided.
 - ✓ The submission includes, as appropriate, information in the BTR document as well as CTF tables.



Chapter V - Information on FTC support needed and received

- Mandate - Paris Agreement, Articles 9–11 and 13, para. 10 and Decision 18/ CMA.1, annex, paras. 130–145
- Which Parties - Developing country Parties **should** provide this information
- What is to be reported
 - ✓ National circumstances, institutional arrangements and country driven strategies relevant to this chapter heading • Underlying assumptions, definitions and methodologies • Financial support needed • Financial support received • Technology development and transfer support needed • Technology development and transfer support received • Capacity-building support needed • Capacity-building support received • Support needed and received by developing country Parties for the implementation of Article 13 and transparency-related activities, including for transparency-related capacity-building
 - ✓ Submission includes, as appropriate, information in the BTR as well as CTF tables. Relevant CTF tables which were adopted at CMA 3.



Chapter VI - Information to be reported when National Communications and BTRs are submitted jointly every four years

- Mandate - Decision 1/ CP.24, para. 43 ; Decision 17/CP.8 ; Decision 6/CP.25
- Which Parties - Parties that choose to submit their national communication and BTR as a single report shall provide these chapters.
- What is to be reported ?
 - ✓ Parties may choose to submit their national communication and BTR as a single report in the years in which both reports are due.
 - ✓ Parties that choose to submit a single report shall also include in the BTR supplemental chapters on:
 - Research and systematic observation
 - Education, training and public awareness
 - Adaptation, but only for those Parties that did not report under chapter IV of the BTR guidelines on information related to climate change impacts and adaptation under Article 7 of the Paris Agreement



Chapter VII - Information on flexibility

- Mandate - Decision 18/ CMA.1 and Decision 5/ CMA.3, annex IV
- Which Parties ? - Developing country Parties that need flexibility in the light of their capacities **shall** report this information, but have discretion as to where it is reported.
- What is to be Reported –
 - ✓ Developing country Parties may elect to report information on the specific flexibility provisions applied in the overview chapter of the BTR and/or integrate this information into the relevant chapters above where specific flexibility provisions have been applied.

Chapter VIII - Improvements in reporting over time

- Mandate - Decision 18/ CMA.1, paras. 7–8 and Decision 5/CMA.3, annex IV
- Which Parties ? - All Parties **may** report this information here, or in the relevant chapters
- What is to be reported –
 - ✓ Areas of improvement identified by the Party and technical expert review team in relation to the Party's implementation of Article 13 of the Paris Agreement;
 - ✓ How the Party is addressing or intends to address areas of improvement;
 - ✓ Areas of improvement that are related to the flexibility provisions;
 - ✓ Reporting-related capacity-building support needs identified, including those referred to in chapter VI above and any progress made, including those previously identified as part of the technical expert review;



Chapter IX - Any other information

- Mandate - Decision 5/CMA.3, annex IV
- Which Parties ? - All Parties are allowed
- What is to be reported – In this chapter, Parties are allowed to include any information that they consider relevant to the achievement of the objective of the Paris Agreement, and suitable for inclusion in the BTR.



Common Reporting Tables and Formats



Current Reporting Tables for GHG Inventory as per Decision 17/CP.8 (Developing Countries)

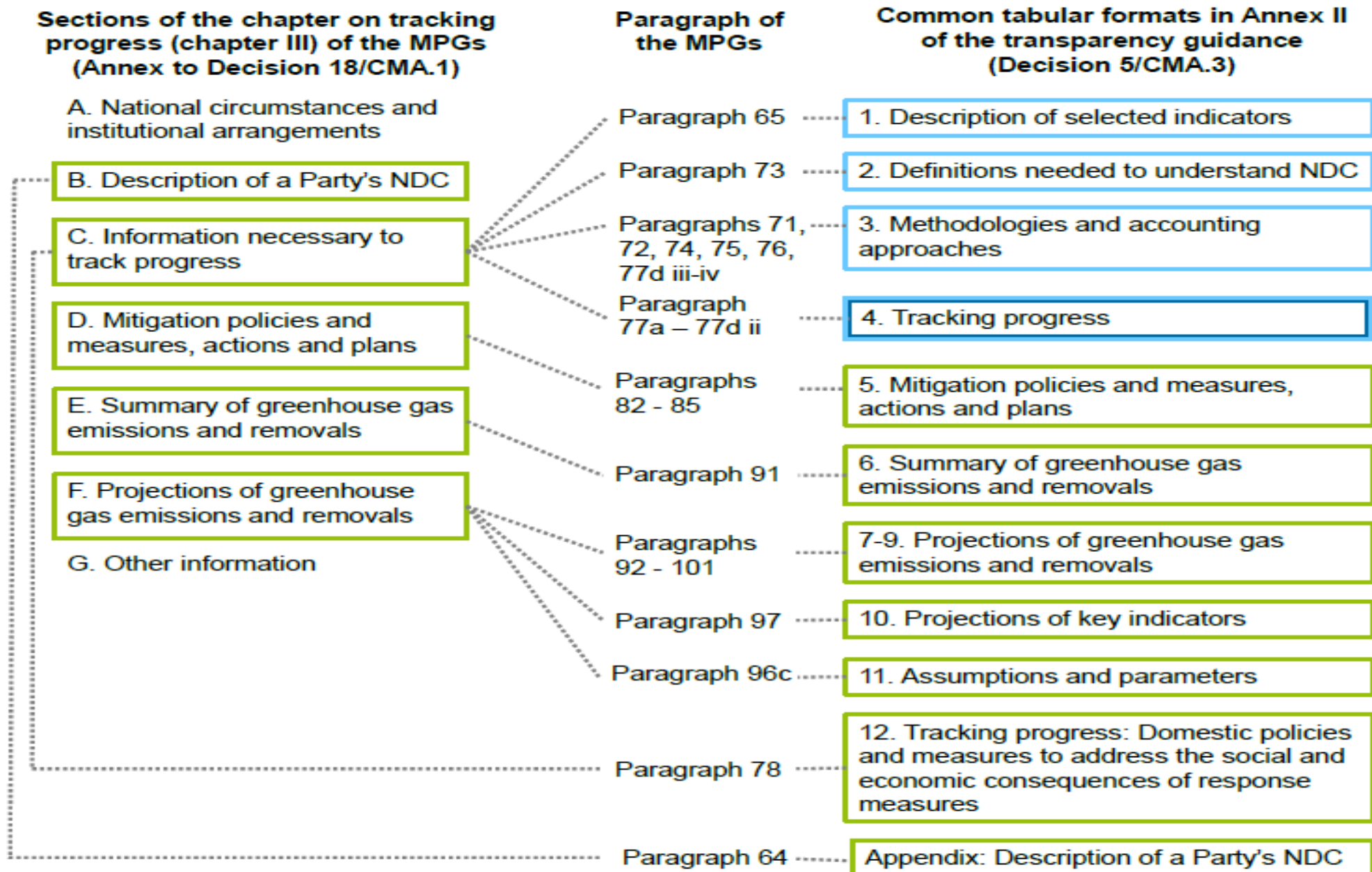
- As per Decision 17/CP.8, Each non-Annex I Party is encouraged to use tables 1 and 2 of these guidelines in reporting its national GHG inventory.
- In preparing those tables, Parties should strive to present information which is as complete as possible. Where numerical data are not provided, Parties should use the notation keys as indicated.
- For detailed tables 1 and 2 - [Decision 17/CP.8](#)



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

Overview of common tabular formats for tracking progress



Structured summary	Core of the structured summary	Other information necessary to track progress
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Overview of common tabular formats for support

Sections of the chapter on support provided and mobilized (chapter V) of the MPGs (Annex to Decision 18/CMA.1)

A. National circumstances and institutional arrangements

B. Underlying assumptions, definitions and methodologies

C. Financial support provided and mobilized

D. Technology development and transfer support provided

E. Capacity building support provided

Paragraph of the MPGs

Paragraph 123

Paragraph 124

Paragraph 125

Paragraph 127

Paragraph 129

Common tabular formats in Annex III of the Transparency Guidance (Decision 5/CMA.3)

1. Financial support provided (bilateral, regional and other channels)

2. Financial support provided (multilateral channels)

3. Financial support mobilized

4. Technology development and transfer support provided

5. Capacity building support provided

Sections of the chapter on support needed and received (chapter V) of the MPGs (Annex to Decision 18/CMA.1)

A. National circumstances and institutional arrangements

B. Underlying assumptions, definitions and methodologies

C. Financial support needed

D. Financial support received

E. Technology development and transfer support needed

F. Technology development and transfer support received

G. Capacity building support needed

H. Capacity building support received

I. Support needed and received for transparency

Paragraph 133

Paragraph 134

Paragraph 136

Paragraph 138

Paragraph 140

Paragraph 142

Paragraph 144

Information which *shall* be provided by developed country Parties. Other Parties that provide support *should* provide such information.

Information which *should* be provided by developing country Parties.

6. Financial support needed

7. Financial support received

8. Technology development and transfer support needed

9. Technology development and transfer support received

10. Capacity building support needed

11. Capacity building support received

12. Support needed for transparency

13. Support received for transparency

Common reporting table for the electronic reporting of the information in the national inventory reports of anthropogenic emissions by sources and removals by sinks of greenhouse gases _ ENERGY SECTOR

TABLE 1 SECTORAL REPORT FOR ENERGY (Sheet 1 of 1)								Year Submission Country
GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NMYOC	SO _x	Total GHG emission CO ₂ equivalents (kt) ¹⁴
	(kt) ¹⁵							
Total Energy								
1.A. Fuel combustion activities (sectoral approach)								
1.A.1. Energy industries								
1.A.1.a. Public electricity and heat production								
1.A.1.b. Petroleum refining								
1.A.1.c. Manufacture of solid fuels and other energy industries								
1.A.2. Manufacturing industries and construction								
1.A.2.a. Iron and steel								
1.A.2.b. Non-ferrous metals								
1.A.2.c. Chemicals								
1.A.2.d. Pulp, paper and print								
1.A.2.e. Food processing, beverages and tobacco								
1.A.2.f. Non-metallic minerals								
1.A.2.g. Other								
1.A.3. Transport								
1.A.3.a. Domestic aviation								
1.A.3.b. Road transportation								
1.A.3.c. Railways								
1.A.3.d. Domestic navigation								
1.A.3.e. Other transportation								



Common reporting table for the electronic reporting of the information in the national inventory reports of anthropogenic emissions by sources and removals by sinks of greenhouse gases _ ENERGY SECTOR

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NMVOC	SO _x	Total GHG emissions
	(kt)							CO ₂ equivalents (kt)
1.A.4. Other sectors								
1.A.4.a. Commercial/institutional								
1.A.4.b. Residential								
1.A.4.c. Agriculture/forestry/fishing								
1.A.5. Other								
1.A.5.a. Stationary								
1.A.5.b. Mobile								
1.B. Fugitive emissions from fuels								
1.B.1. Solid fuels								
1.B.1.a. Coal mining and handling								
1.B.1.b. Fuel transformation								
1.B.1.c. Other								
1.B.2. Oil and natural gas and other emissions from energy production								
1.B.2.a. Oil								
1.B.2.b. Natural gas								
1.B.2.c. Venting and flaring								
1.B.2.d. Other								
1.C. CO₂ Transport and storage								
1.C.1. Transport of CO ₂								
1.C.2. Injection and storage								
1.C.3. Other								

Common reporting table for the electronic reporting of the information in the national inventory reports of anthropogenic emissions by sources and removals by sinks of greenhouse gases _ ENERGY SECTOR

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂	CH ₄	N ₂ O	NO _x	CO	NMYOC	SO _x	tal GHG emissions
	(kt)							CO ₂ equivalents (kt)
1.D. Memo items:⁽¹⁾								
1.D.1. International bunkers								
1.D.1.a. Aviation								
1.D.1.b. Navigation								
1.D.2. Multilateral operations								
1.D.3. CO₂ emissions from biomass								
1.D.4. CO₂ captured								
1.D.4.a. For domestic storage								
1.D.4.b. For storage in other countries								

Common tabular formats 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

1. Structured summary: Description of selected indicators

Indicator(s) selected to track progress^a

Description

{Indicator}

Information for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate^b

Updates in accordance with any recalculation of the GHG inventory, as appropriate^b

Relation to NDC^c

Common tabular formats 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

2. Structured summary: Definitions needed to understand NDC

*Definitions**

Definition needed to understand each indicator:

{Indicator}

Any sector or category defined differently than in the national inventory report:

{Sector}

{Category}

Definition needed to understand mitigation co-benefits of adaptation actions and/or economic diversification plans:

{Mitigation co-benefit(s)}

Any other relevant definitions:

{...}

Common tabular formats 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

3. Structured summary: Methodologies and accounting approaches – consistency with Article 4, paragraphs 13 and 14, of the Paris Agreement and with decision 4/CMA.1

<i>Reporting requirement</i>	<i>Description or reference to the relevant section of the BTR</i>
<i>For the first NDC under Article 4:^a</i>	
Accounting approach, including how it is consistent with Article 4, paragraphs 13–14, of the Paris Agreement (para. 71 of the MPGs)	
<i>For the second and subsequent NDC under Article 4, and optionally for the first NDC under Article 4:^b</i>	
Information on the accounting approach used is consistent with paragraphs 13–17 and annex II of decision 4/CMA.1 (para. 72 of the MPGs)	
Explain how the accounting for anthropogenic emissions and removals is in accordance with methodologies and common metrics assessed by the IPCC and in accordance with decision 18/CMA.1 (para. 1(a) of annex II to decision 4/CMA.1)	
Explain how consistency has been maintained between any GHG data and estimation methodologies used for accounting and the Party's GHG inventory, pursuant to Article 13, paragraph 7(a), of the Paris Agreement, if applicable (para. 2(b) of annex II to decision 4/CMA.1)	
Explain how overestimation or underestimation has been avoided for any projected emissions and removals used for accounting (para. 2(c) of annex II to decision 4/CMA.1)	

Mitigation policies and measures, actions and plans, including those with mitigation co-benefits resulting from adaptation actions and economic diversification plans, related to implementing and achieving a nationally determined contribution under Article 4 of the Paris Agreement

5. Mitigation policies and measures, actions and plans, including those with mitigation co-benefits resulting from adaptation actions and economic diversification plans, related to implementing and achieving a nationally determined contribution under Article 4 of the Paris Agreement^{a,b}

Name ^c	Description ^{d,e,f}	Objectives	Type of instrument ^g	Status ^h	Sector(s) affected ⁱ	Gases affected	Start year of implementation	Implementing entity or entities	Estimates of GHG emission reductions (kt CO ₂ eq) ^{j,k}	
									Achieved	Expected

^a Each Party shall provide information on actions, policies and measures that support the implementation and achievement of its NDC under Article 4 of the Paris Agreement, focusing on those that have the most significant impact on GHG emissions or removals and those impacting key categories in the national GHG inventory. This information shall be presented in narrative and tabular format (para. 80 of the MPGs).

^b For each Party with an NDC under Article 4 of the Paris Agreement that consists of mitigation co-benefits resulting from Parties' adaptation actions and/or economic diversification plans consistent with Article 4, para. 7, information to be reported under paras. 80, 82 and 83 of the MPGs includes relevant information on policies and measures contributing to mitigation co-benefits resulting from adaptation actions or economic diversification plans (para. 84 of the MPGs).

^c Parties may indicate whether a measure is included in the 'with measures' projections.

^d Additional information may also be provided on the cost of the mitigation actions, non-GHG mitigation benefits, and how the mitigation action interacts with other mitigation actions, as appropriate (para. 83(a–c) of the MPGs)

^e Parties should identify actions, policies and measures that influence GHG emissions from international transport (para. 88 of the MPGs).

^f Parties should, to the extent possible, provide information about how actions, policies and measures are modifying longer-term trends in GHG emissions and removals (para. 89 of the MPGs).

^g Parties shall, to the extent possible, provide information on the types of instrument: regulatory, economic instrument or other (para. 82(d) of the MPGs).

^h Parties shall, to the extent possible, use the following descriptive terms to report on status of implementation: planned, adopted or implemented (para. 82(e) of the MPGs).

ⁱ Parties shall, to the extent possible, provide information on sector(s) affected: energy, transport, industrial processes and product use, agriculture, LULUCF, waste management or other (paras. 81 and 82(f) of the MPGs).

^j Each Party shall provide, to the extent possible, estimates of expected and achieved GHG emission reductions for its actions, policies and measures in the tabular format; those developing country Parties that need flexibility in the light of their capacities with respect to this provision are instead encouraged to report this information (para. 85 of the MPGs).

^k To the extent available, each Party shall describe the methodologies and assumptions used to estimate the GHG emission reductions or removals due to each action, policy and measure. This information may be presented in an annex to the biennial transparency report (para. 86 of the MPGs).

Table III.6

Information on financial support needed by developing country Parties under Article 9 of the Paris Agreement^{a, b}

Exchange rate used: _____

Sector ^c	Subsector ^c	Title of activity, programme, project or other ^{c, d}	Programme/project description ^c	Estimated amount (climate-specific) ^f		Expected time frame ^c	Expected financial instrument ^c	Type of support ^c	Contribution to technology development and transfer objectives ^c	Contribution to capacity-building objectives ^c	Whether the activity is anchored in a national strategy and/or an NDC ^c	Expected use, impact and estimated results ^c	Additional information ^c
				Domestic currency	USD								
Energy							Grant	Adaptation	Insert 1 for Yes, 0 for No	Insert 1 for Yes, 0 for No	Insert 1 for Yes, 0 for No		
Transport							Concessional loan	Mitigation					
Industry							Non-concessional loan	Cross-cutting ^e					
Agriculture							Equity						
Forestry							Guarantee						
Water and sanitation							Insurance						
Cross-cutting							Other (specify) ^d						
Other (specify) ^d													

Notation keys: NA = not applicable; UA = information not available at the time of reporting. NR = not reported (to indicate the voluntary character of the information)

^a Developing country Parties should provide, in a common tabular format, information on financial support needed, to the extent possible, as available and as applicable.

^b Parties include information on support needed from the reporting year of the BTR.

^c Parties provide the underlying assumptions, definitions and methodologies, as applicable, used to identify and/or report this reporting parameter in the respective section of the BTR.

^d If "other", Parties should specify this information.

^e This refers to funding for activities that have both mitigation and adaptation components.

^f Report, to the extent possible, information on the project/programme and implementing agency and provide a link to any relevant documentation and as appropriate, support to activities related to averting, minimizing and addressing loss and damage associated with the adverse effects of climate change.

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Custom footnotes

The underlying assumptions, definitions and methodologies of the information in this CTF is available at link/page number of the BTR.

Thank you

