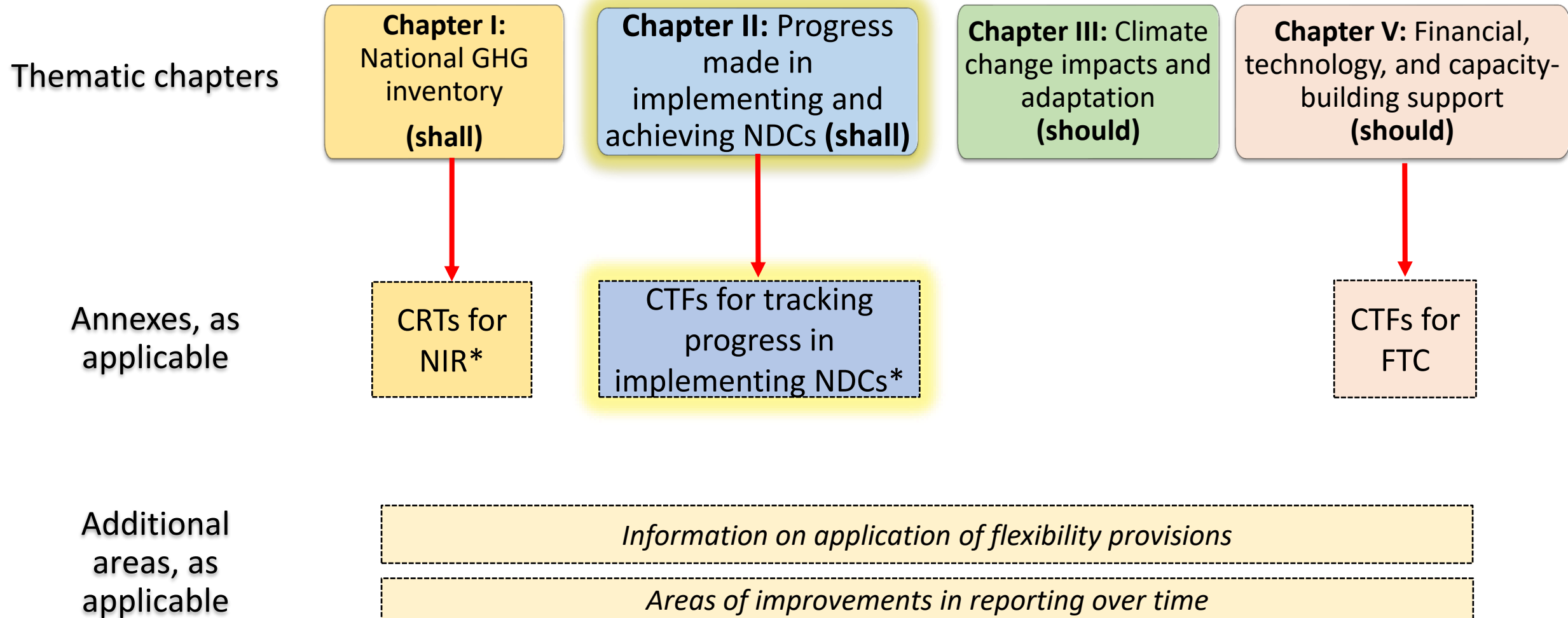


# Introduction to the MPGs

## Provisions for reporting on the progress in implementing the NDC

# Outline of the BTR



For the BTR outline, see [decision 5/CMA.3](#), Annex IV.

# Relevance of assessing and tracking progress of NDCs

- Tracking progress towards NDC targets and accounting for NDC targets answers the question of how much progress the country has made towards achieving its NDC targets over time and to what extent the country has achieved its NDC.
- This is implemented by reporting a time series of the relevant indicator and comparing it to the target level.
- Source: “Accounting for nationally determined contributions”. PATPA (2022)

# Information necessary to track progress made in implementing and achieving NDC

## A. National circumstances and institutional arrangements

Should be used to show a comprehensive image of the country's particular context that might impact their progress towards NDCs, including institutional, legal, procedural arrangements for implementation .

## B. Description of a Party's NDC under Article 4 of the Paris Agreement, including updates

Detailed description of the NDC, including all its parameters and any updates since the last report. The purpose is to ensure a clear understanding of the country's climate commitments and any changes therein.

## C. Information necessary to track progress

The goal of this section is to outline how a country tracks its progress towards meeting its NDCs. It involves detailing the specific indicators used and sharing the most recent data related to these indicators.

## D. Mitigation Policies, Actions, and Plans

Section that presents policies, actions and plans in place to mitigate climate change. The goal is to highlight the measures being taken to reduce GHG emissions and the effectiveness of these measures.

## E. Summary of GHG Emissions and Removals

Provide a succinct summary of a country's GHG emissions and removals. This information is especially important for countries submitting a stand-alone national inventory report

## F. Projections of GHG Emissions and Removals

Projection of future GHG emissions and removals, based on current mitigation policies and measures. This helps to identify the potential future trajectory of a country's GHG emissions. (Flexibility)

## G. Other Information

Any additional information that helps understand the progress in implementing and achieving their NDCs. This could include any unique initiatives, challenges, or plans that are relevant to the NDC progress.

***Information to be reported in a narrative and common tabular format .***

# Common tabular formats (CTF)

- 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

## Decision 5/CMA.3

### Guidance for operationalizing the modalities, procedures and guidelines for the enhanced transparency framework referred to in Article 13 of the Paris Agreement

#### Annex II\*

#### 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

##### I. Structured summary: Description of selected indicators

<i>Indicator(s) selected to track progress<sup>a</sup></i>	<i>Description</i>
{Indicator}	
	Information for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate <sup>b</sup>
	Updates in accordance with any recalculation of the GHG inventory, as appropriate <sup>b</sup>
	Relation to NDC <sup>c</sup>

*Notes:* (1) Pursuant to para. 79 of the MPGs, each Party shall report the information referred to in paras. 65–78 of the MPGs in a narrative and common tabular format, as applicable. (2) A Party may amend the reporting format (e.g. Excel file) to remove specific rows in this table if the information to be provided in those rows is not applicable to the Party's NDC under Article 4 of the Paris Agreement, in accordance with the MPGs. (3) The Party could add rows for each additional selected indicator and related information.

<sup>a</sup> Each Party shall identify the indicator(s) that it has selected to track progress of its NDC (para. 65 of the MPGs).

<sup>b</sup> Each Party shall provide the information for each selected indicator for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), and shall update the information in accordance with any recalculation of the GHG inventory, as appropriate (para. 67 of the MPGs).

<sup>c</sup> Each Party shall describe for each indicator identified how it is related to its NDC (para. 76(a) of the MPGs).

*Custom footnotes:*

Documentation box:

# Contents of Common tabular formats

In total, the Common tabular formats comprise **12 Tables** and one Appendix, covering the **7 parts** of Section III of the MPG:

**Section III:** Information necessary to track progress made in implementing and achieving NDC

## Annex II\*

**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**

### I. Structured summary: Description of selected indicators

Indicator(s) selected to track progress <sup>a</sup>	Description
{Indicator}	Information for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate <sup>b</sup>
	Updates in accordance with any recalculation of the GHG inventory, as appropriate <sup>b</sup>
	Relation to NDC <sup>c</sup>

*Notes:* (1) Pursuant to para. 79 of the MPGs, each Party shall report the information referred to in paras. 65–78 of the MPGs in a narrative and common tabular format, as applicable. (2) A Party may amend the reporting format (e.g. Excel file) to remove specific rows in this table if the information to be provided in those rows is not applicable to the Party's NDC under Article 4 of the Paris Agreement, in accordance with the MPGs. (3) The Party could add rows for each additional selected indicator and related information.

<sup>a</sup> Each Party shall identify the indicator(s) that it has selected to track progress of its NDC (para. 65 of the MPGs).

<sup>b</sup> Each Party shall provide the information for each selected indicator for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), and shall update the information in accordance with any recalculation of the GHG inventory, as appropriate (para. 67 of the MPGs).

<sup>c</sup> Each Party shall describe for each indicator identified how it is related to its NDC (para. 76(a) of the MPGs).

Custom footnotes:

Documentation box:

## NDC definition and methods

- **Appendix:** Description of a Party's NDC
- **Table 1:** Description of selected indicators
- **Table 2:** Definitions needed to understand the NDC
- **Table 3:** Methodologies and accounting approaches

## Current mitigation status and tracking progress

- **Table 4:** Tracking progress
- **Table 5:** Mitigation policies, measures, actions and plans (Achieved)
- **Table 6:** Inventory summary

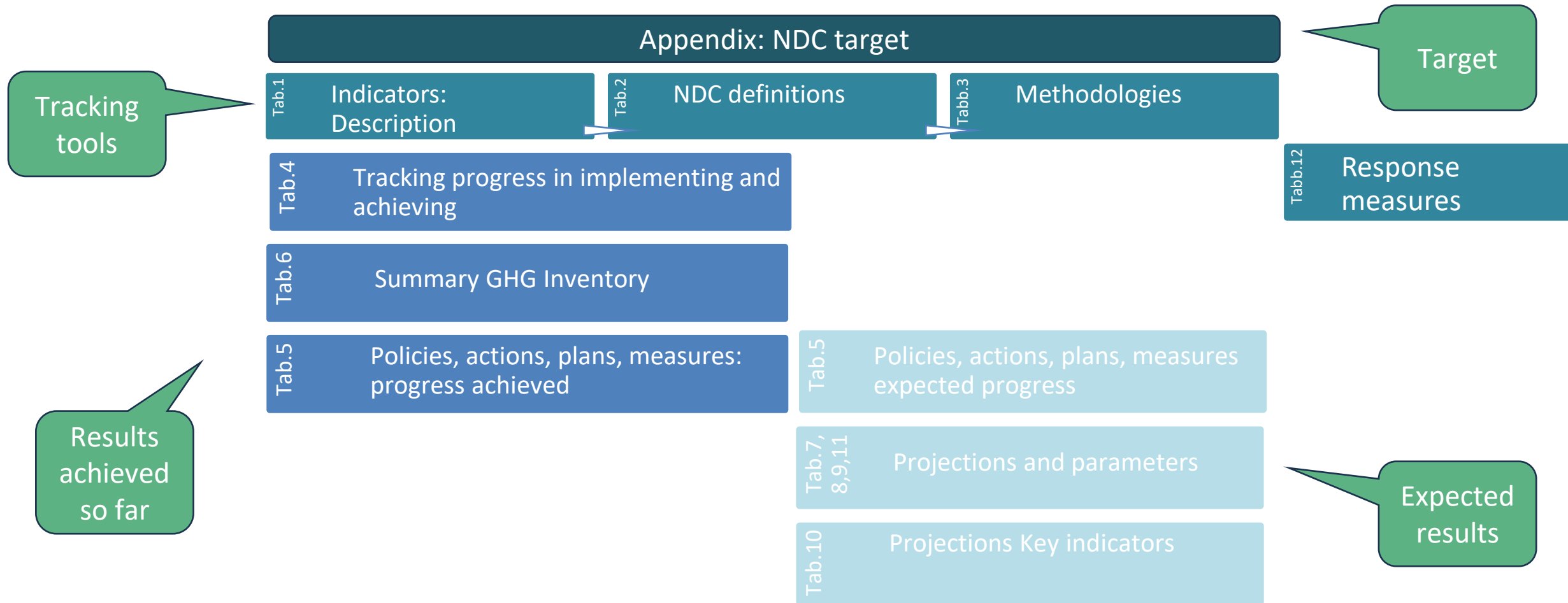
## Projections and expected emissions reduction

- **Table 5:** Mitigation policies, measures, actions and plans (expected)
- **Table 7:** Projections “with measures” scenario
- **Table 8:** Projections “with additional measures” scenario
- **Table 9:** Projections “without measure” scenario
- **Table 10:** Projections of key indicators
- **Table 11:** Key underlying assumptions and parameters of projections

## Response measures

- **Table 12.** Information necessary to track progress on the social and economic consequences of response measures

# Organization of data from tables contained in the CTF







# Flexibilities CTF tables

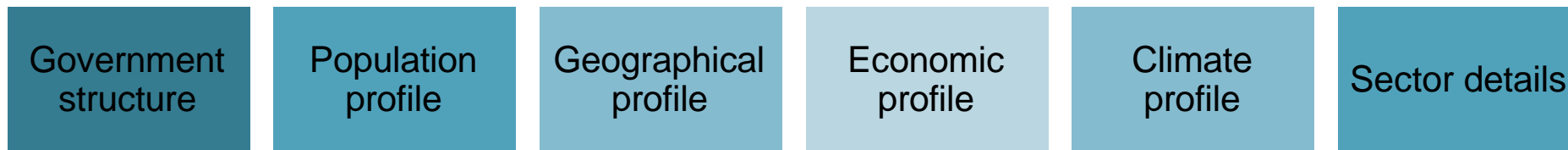
MPG Section III: Information necessary to track progress made in implementing and achieving NDC	Related Tables from the Common tabular formats (CTF)	Reporting requirement	Flexibility, for Parties that need flexibility in the light of their capacities (self-determined)
<p><b>D. Mitigation policies and 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</b></p>	<p>Table 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</p>	<p>Shall (80)</p>	<p><b>Encouraged</b> to report estimates of expected and achieved GHG emission reductions for its actions, policies, and measures</p>

# Flexibilities CTF tables

MPG Section III: Information necessary to track progress made in implementing and achieving NDC	Related Tables from the Common tabular formats (CTF)	Reporting requirement	Flexibility, for Parties that need flexibility in the light of their capacities (self-determined)
<b>E. Summary of greenhouse gas emissions and removals</b>	Table 6. Summary of greenhouse gas emissions and removals in accordance with the common reporting table 10 emission trends – summary	Shall for Parties that submit a stand-alone national inventory report.	Not indicated
<b>F. Projections of greenhouse gas emissions and removals, as applicable</b>	Table 7. Information on projections of greenhouse gas emissions and removals under a ‘with measures’ scenario  Table 8. Information on projections of greenhouse gas emissions and removals under a ‘with additional measures’ scenario	Shall (92), but methodologies Should	<b>encouraged to report projections.</b> Can instead report using a less detailed methodology or coverage.
	Table 9. Information on projections of greenhouse gas emissions and removals under a ‘without measures’ scenario		
	Table 10. Projections of key indicators		
	Table 11. Key underlying assumptions and parameters used for projections		
<b>G. Other information</b>	Info to be provided not necessarily in tabular format		

# A. National circumstances and institutional arrangements

- Each Party **shall** describe its **national circumstances relevant** to progress made in implementing and achieving its NDC, including:



- Each Party **shall** provide information on:
  - **how its national circumstances affect GHG emissions and removals** over time.
  - **the institutional arrangements in place to track progress of NDCs, including those used for tracking ITMOs\*, if applicable.**
  - **legal, institutional, administrative and procedural arrangements** for domestic implementation, monitoring, reporting, archiving of information and stakeholder engagement related to the implementation and achievement of its NDC.

\* ITMOs: Internationally transferred mitigation outcomes

## • B. Description of a Party's NDC, including updates

Each Party shall provide **a description of its NDC**, against which progress will be tracked:

NDC elements	Description
A. Target(s) and description, including target type(s)*, as applicable	
B. Target year(s) or period(s), and whether they are single-year or multi-year target(s), as applicable	
C. Reference point(s), level(s), baseline(s), base year(s) or starting point(s), and their respective value(s), as applicable	
D. Time frame(s) and/or periods for implementation, as applicable	
E. Scope and coverage, including, as relevant, sectors, categories, activities, sources and sinks, pools and gases, as applicable	
F. Intention to use cooperative approaches that involve the use of ITMOs under Article 6 towards NDCs under Article 4 of the Paris Agreement, as applicable	
G. Any updates or clarifications of previously reported information, as applicable	

*This table is to be used by Parties on a voluntary basis, however information items are shall*

Related CTFs:  
Appendix

- Parties with both unconditional and conditional targets in their NDC may add a row to the table to describe conditional targets
- This information overlaps with NDC/ICTU, ensure consistency or explain changes/update

## B. Description of a Party's NDC, including updates

Each Party shall provide **a description of its NDC**, against which progress will be tracked:

GRENADA'S SECOND NATIONALLY DETERMINED CONTRIBUTION	
<b>1. Quantified information on the reference point, including, as appropriate, a base year</b>	
(a) <b>Reference year(s)</b> , base year(s), reference period(s) or other starting point(s)	The reference year used in Grenada's second NDC is 2010, the same as in the initial NDC.
(b) Quantifiable information on the <b>reference indicators</b> , their values in the reference year (s), base year(s), reference period(s) or other starting point(s), and, as applicable, in the target year	Grenada's net Greenhouse Gas (GHG) emissions in 2010 were estimated to be 216.9 GgCO <sub>2e</sub> .
(c) For strategies, plans and actions referred to in Article 4, paragraph 6, of the Paris Agreement, or policies and measures as components of nationally determined contributions where paragraph 1(b) above is not applicable, Parties to provide <b>other relevant information</b>	Not applicable.
(d) <b>Target</b> relative to the reference indicator, expressed numerically, for example in percentage or amount of reduction	Grenada commits to reducing its GHG emissions by 40% of the 2010 emissions levels by 2030.

This information overlaps with NDC/ICTU, ensure consistency or explain changes/update

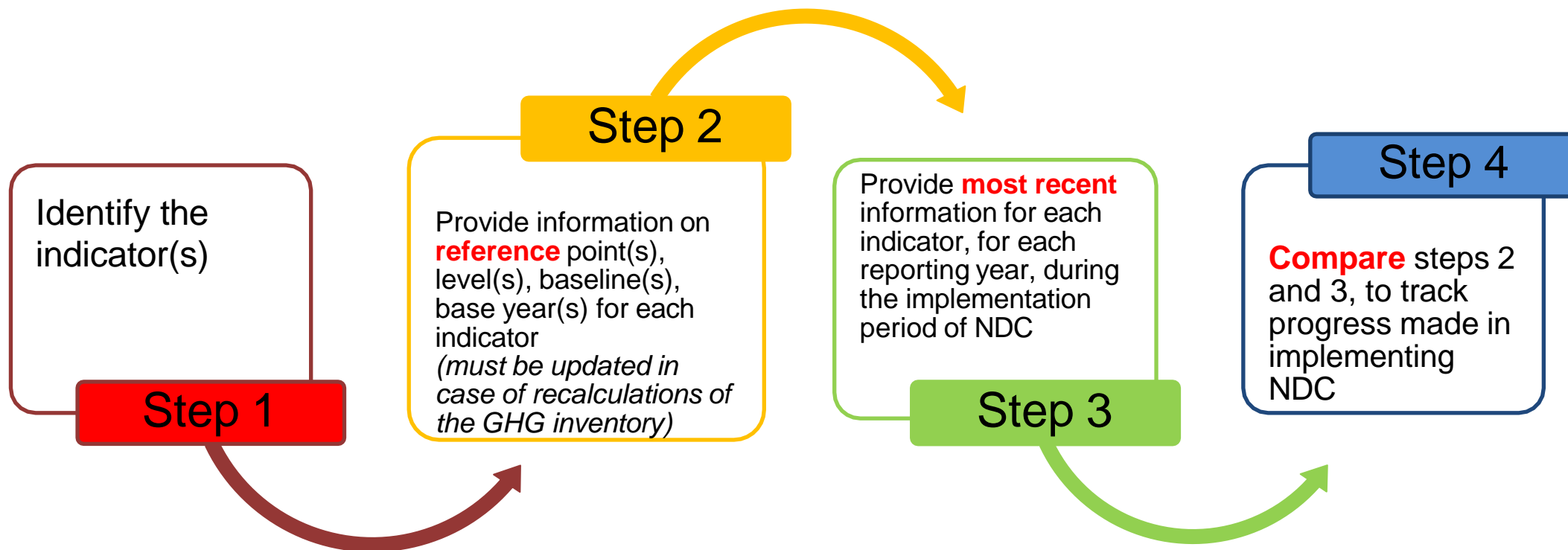
# C. Information necessary to track progress made in implementing and achieving NDCs

Related CTFs:  
Tables 1, 2, 3 & 4

- Each Party **shall** identify **indicator(s)** (*quantitative or qualitative; relevant to the NDC*) to track progress towards implementation and achievement of its NDC
- Each Party **shall** provide:
  - the information for each selected indicator for the **reference point(s)**, level(s), baseline(s), base year(s); and the **most recent information** for each reporting year; and **compare** these
  - description of each **methodology and accounting approach** used for its NDC target, construction of baseline, and each indicator identified; *[key parameters, assumptions, definitions, data sources, models, IPCC guidelines, metrics, etc]*  
**Can be in a tabular and/or narrative format**
  - all this information in a **structured summary** to track progress:
    - ✓ Information on indicators *[reference level; most recent; at the reporting years in between]*
    - ✓ GHG emissions and removals consistent with the scope of its NDC, where applicable;
    - ✓ Contribution from the LULUCF sector for each year of the target period or target year, as applicable;
    - ✓ Information on use of ITMOs, as applicable;
- Each Party **with an NDC that consists mitigation co-benefits** from adaptation actions and economic diversification plans, **shall** provide information on domestic policies and measures implemented to address social and economic consequences of response measures

## C. Information necessary to track progress made in implementing and achieving NDCs

Overview of steps for Parties to track progress of their NDCs by indicators:



- For the first BTR that contains information on the end year of NDC, provide assessment of whether target is achieved.

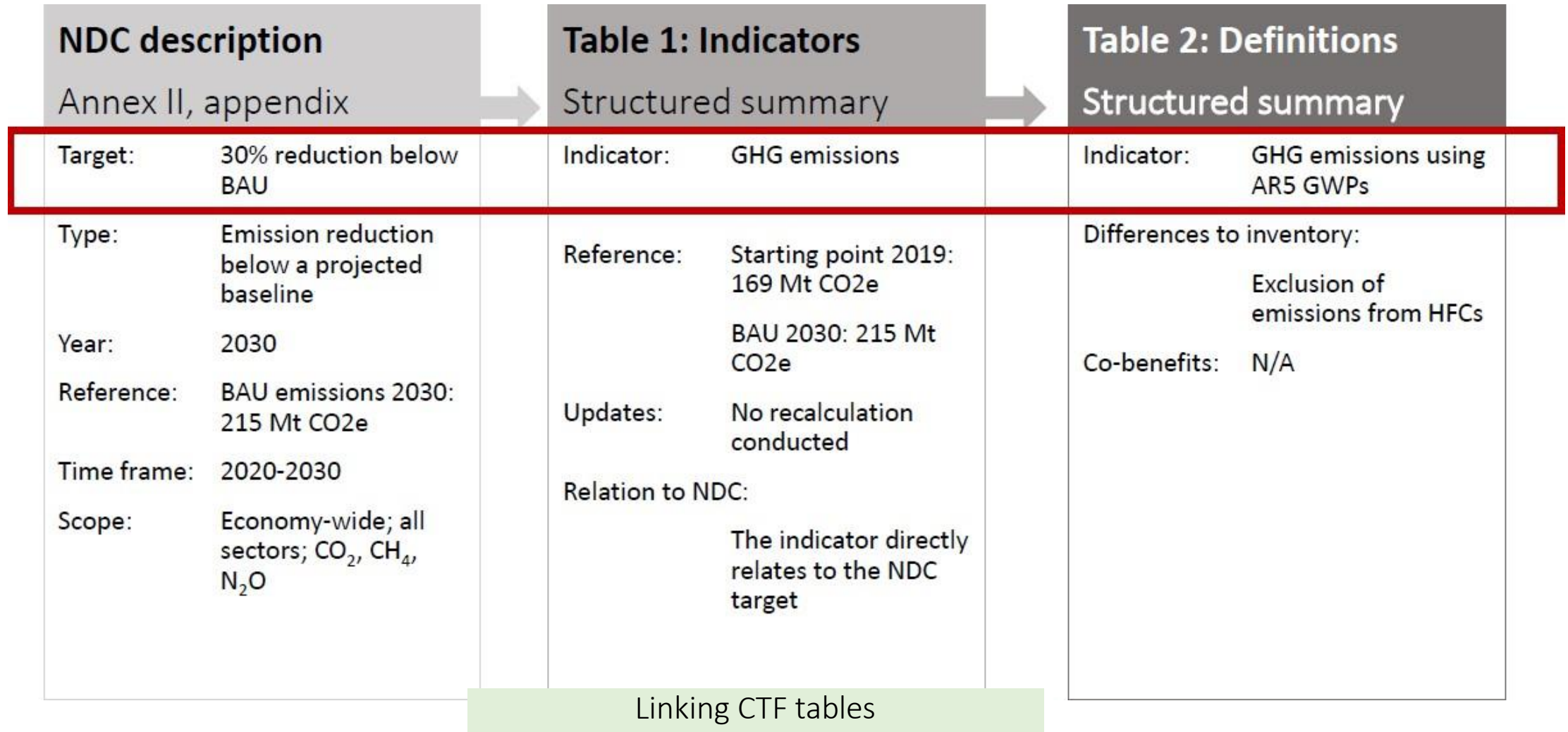
## C. Information necessary to track progress made in implementing and achieving NDCs

### STRUCTURED SUMMARY: 1. Description of selected indicators

Indicator(s) selected to track progress	Description
GHG emissions covered by the NDC	Total economy-wide greenhouse gas emissions and removals in the relevant reporting year (t CO <sub>2</sub> e) — <i>Emissions</i>
Information for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate	Reference level: 100 Mt CO <sub>2</sub> e Base year: 2005 <i>RefEmissions</i>
Updates in accordance with any recalculation of the GHG inventory, as appropriate	Due to recalculations of the national GHG inventory, which were carried out after the communication of the NDC, the reference level changed from 101 Mt CO <sub>2</sub> e to 100 Mt CO <sub>2</sub> e.
Relation to the NDC	The NDC consists of an absolute economy-wide emission reduction target. Hence, total economy-wide greenhouse gas emissions and removals are the most appropriate indicator for this type of NDC.



## C. Information necessary to track progress made in implementing and achieving NDCs



## C. Information necessary to track progress made in implementing and achieving NDCs

### STRUCTURED SUMMARY: 3. Methodologies and accounting approaches

Reporting requirement	Description or reference to the relevant section of the BTR
For the first NDC under Article 4: <sup>a</sup>	Accounting approach, including how it is consistent with Article 4, paragraphs 13–14, of the Paris Agreement
For the second NDC, optionally for the first NDC under Article 4: <sup>c</sup>	Accounting for anthropogenic emissions and removals in accordance with methodologies and common metrics
Information consistent with decision 4/CMA.1	Striving to include all categories of anthropogenic emissions or removals in the NDC and, once a source, sink or activity is included, continuing to include it (para. 3 of annex II to decision 4/CMA.1):
Explain how emissions and removals are accounted for using methodologies consistent with IPCC and its supplements (para. 1(a))	Each methodology used to assess target(s). Explain how all categories of anthropogenic emissions and removals corresponding to their NDC were accounted for (para. 3(a) of annex II to decision 4/CMA.1)
Explain how any GHG categories are accounted for in the NDC, where applicable (Article 13, paragraph 1, of the Paris Agreement)	Each methodology used for the categories of anthropogenic emissions and removals included in the NDC, and, once a source, sink or activity is included, continue to include it (para. 3(b) of annex II to decision 4/CMA.1)
Explain how any categories of anthropogenic emissions and removals excluded from the NDC have been avoided (para. 4 of annex II to decision 4/CMA.1)	If the methodology used to assess the indicator describes the categories of anthropogenic emissions and removals excluded from the NDC, provide an explanation of why any categories of anthropogenic emissions or removals are excluded (para. 4 of annex II to decision 4/CMA.1)
Any conditions associated with the use of ITMOs	Each Party that participates in cooperative approaches that involve the use of ITMOs towards an NDC under Article 4, or authorizes the use of mitigation outcomes for international mitigation purposes other than achievement of its NDC
	Provide information on any methodologies associated with any cooperative approaches that involve the use of ITMOs towards an NDC under Article 4 (para. 75(f) of the MPGs)
	Provide information on how each cooperative approach promotes sustainable development, consistent with decisions adopted by the CMA on Article 6 (para. 77(d)(iv) of the MPGs)

#### Description or reference to the relevant section of BTR:

- Methodologies and accounting approaches
- Metrics and IPCC guidelines
- Assumptions, key parameters, definitions, data sources, models
- Consistency (communicated and implemented NDC; accounting for NDC and GHG inventory)
- Changes (corrections, improvements, updates)
- Inclusion of all relevant categories, and exclusions
- Information associated with any cooperative approaches that involve use of ITMOs, if applicable

## C. Information necessary to track progress made in implementing and achieving NDCs

### STRUCTURED SUMMARY: 4. Tracking progress made in implementing and achieving the NDC

	Unit	Reference level	Implementation period of the NDC						Target level	Target year	Progress made (comparison of most recent and ref. level)
			Year 1	Year 2	...	...	...	End year			
{Indicators}											
Total GHGs, consistent with NDC coverage	<input type="checkbox"/>	<i>Where the goal is an economy-wide emission reduction target, data from GHG inventory;</i>									
	<input type="checkbox"/>	<i>Where the goal covers a subset of the economy, data will be a subset of the GHG inventory</i>									
Contribution from LULUCF sector, as applicable	<input type="checkbox"/>	<i>may not be applicable to all NDC goal types if the NDC does not cover the LULUCF sector.</i>									
ITMOs	<input type="checkbox"/>	<i>may not be applicable, if ITMOs will not be considered towards the NDC goal</i>									
....											
Assessment of the achievement of the NDC:											
<input type="checkbox"/> Restatement of the target											
<input type="checkbox"/> Information for reference level											
<input type="checkbox"/> Final information for the indicator at the target year											
<input type="checkbox"/> Comparison											
<input type="checkbox"/> Achievement of NDC (Y/N, explanation)	<input type="checkbox"/>	<i>in the first BTR that contains information on the end year of NDC</i>									

# CTF table 4

Example of a completed CTF table 4 for tracking progress

	Unit, as applicable	Reference point(s) [...]	2021	2022	...	2030	Target level	Target year or period	Progress made [...]
Indicator(s) selected [...]									
GHG emissions covered by the NDC	Mt CO <sub>2</sub> e	100 <i>RefEmissions</i>	88	86			80 <i>TargEmissions</i>	2030	14% below the reference level
Where applicable, total GHG emissions and removals consistent with the coverage of the NDC	Mt CO <sub>2</sub> e	100	88	86					
Contribution from LULUCF [...]									
Each Party that participates in cooperative approaches [...]									
[...]	Relevant for Parties using cooperative approaches. See <i>Table 9</i>								
Assessment of the achievement of the Party's NDC under Article 4 of the Paris Agreement									
Relate the target of the Party's NDC:									
[...]	Relevant after the end of the NDC period. See <i>Table 10</i>								

Source: Partnership on Transparency in Paris Agreement, Accounting for National Determined Contributions

## D. 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 an NDC

- Each Party **shall** provide information on **policies, actions and measures that support implementation of its NDC**, focusing on those that have the most significant impact on GHG emissions or removals and those impacting key categories in the national GHG inventory.
- To the extent possible, Parties **shall** organize reporting of actions **by sector** (energy, transport, IPPU, agriculture, LULUCF, waste, other), in a tabular format, including relevant information on mitigation co-benefits, as applicable:

Name	Description	Objectives	Type of instrument (regulatory, economic, other)	Status (planned, adopted, implemented)	Sectors affected	Gasses affected	Start year of implementation	Implementing entity
------	-------------	------------	--	--	------------------	-----------------	------------------------------	---------------------

- Each Party may also provide information on related costs, non-GHG mitigation benefits and how these actions interact with each other, as appropriate
- Each Party **shall** provide information **on estimates of expected and achieved GHG emission reductions [FX: encouraged]; and methodologies and assumptions used**, to the extent possible
- Each Party should: identify PAMs no longer in-place and explain why; provide information on how its PAMs are modifying longer-terms trends in GHG emissions and removals

Related CTFs:  
Table 5

**D. 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 an NDC**

**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 an NDC**

Name*	Description**	Objectives	Type of instrument <i>(i.e. regulatory, economic instrument or other)</i>	Status <i>(i.e. planned, adopted or implemented)</i>	Sectors affected <sup>^</sup>	Gasses affected	Start year of implementation	Implementing entity or entities	Estimates of GHG emissions reductions (kt CO2 eq)	
									Achieved	Expected

\*Parties may indicate whether a measure is included in the ‘with measures’ projections.

\*\* Parties may/should, to the extent possible, provide information including, costs, non-GHG benefits, interactions, those influencing international transport, how PAMs are modifying longer term trends in GHGs.

<sup>^</sup> Energy, transport, industrial processes and product use, agriculture, LULUCF, waste management or other.

**12. Information necessary to track progress on the implementation and achievement of the domestic policies and measures implemented to address the social and economic consequences of response measures**

<i>Sectors and activities associated with the response measures</i>	<i>Social and economic consequences of the response measures</i>	<i>Challenges in and barriers to addressing the consequences</i>	<i>Actions to address the consequences</i>

# CTF table 5

## Example of CTF Table 5 for Mauritius

Name	Description	Objectives	Type of instrument	Status	Sector(s) affected	Gases affected	Start year of implementation	Implementing entity or entities	Estimates of GHG emission reductions (kt CO2 eq)	
									Achieved	Expected in 2030
Improved fuel economy of vehicles	Improvements in the fuel intensity of vehicles at the rate of 0.5% per year between 2022 and 2030, decreasing to 0.25% per year after 2030.	Technological improvements, better fuel economies.	Regulatory, economic	Planned	Transport	CO2, CH4, N2O	2021	MLTLR; TMRSU; Mauritius Standards Bureau (MSB); National Land Transport Authority (NLTA).		6.7

# • E. Summary of greenhouse gas emissions and removals

- Each Party, that submits a stand-alone national inventory report, **shall** provide **a summary of its GHG emissions and removals**.
- This information **shall** be provided for those reporting years corresponding to the Party's most recent national inventory report, in a tabular format.
- This information should match the one reported in the **common reporting table 10** emission trends –

## summary

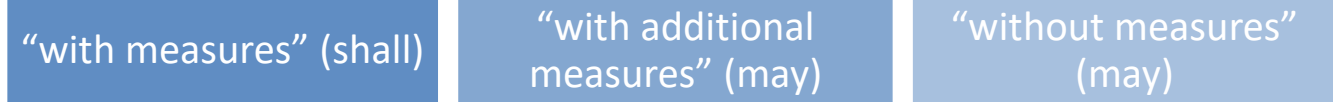
GREENHOUSE GAS EMISSIONS AND REMOVALS	Reference year/period for NDC <sup>(1)</sup>	Base year <sup>(2)</sup>	1990 <sup>(1)</sup>	(Years 1991 to 2019)	(Years 1991 to 2019)	2020	(Years 2021 to latest reported year)	(Years 2021 to latest reported year)	(Years 2021 to latest reported year)	Change from [1990][base year][reference year][period] to latest reported year (%)
CO <sub>2</sub> equivalents (kt) <sup>(3)</sup>										
CO <sub>2</sub> emissions without net CO <sub>2</sub> from LULUCF										
CO <sub>2</sub> emissions with net CO <sub>2</sub> from LULUCF										
CH <sub>4</sub> emissions without CH <sub>4</sub> from LULUCF										
CH <sub>4</sub> emissions with CH <sub>4</sub> from LULUCF										
N <sub>2</sub> O emissions without N <sub>2</sub> O from LULUCF										
N <sub>2</sub> O emissions with N <sub>2</sub> O from LULUCF										
HFCs										
PFCs										
Unspecified mix of HFCs and PFCs										
SF <sub>6</sub>										
NF <sub>3</sub>										
Total (without LULUCF)										
Total (with LULUCF)										
Total (without LULUCF, with indirect)										
Total (with LULUCF, with indirect)										
GREENHOUSE GAS SOURCE AND SINK CATEGORIES										
	Reference year/period for NDC <sup>(1)</sup>	Base year <sup>(2)</sup>	1990	(Years 1991 to 2019)	(Years 1991 to 2019)	2020	(Years 2021 to latest reported year)	(Years 2021 to latest reported year)	(Years 2021 to latest reported year)	Change from 1990[base year][reference year][period] to latest reported year (%)
CO <sub>2</sub> equivalents (kt) <sup>(3)</sup>										
1. Energy										
2. Industrial processes and product use										
3. Agriculture										
4. Land use, land-use change and forestry <sup>(4)</sup>										
5. Waste										
6. Other										
Total (with LULUCF) <sup>(8)</sup>										

Related CTFs:  
Table 6



# • F. Projections of greenhouse gas emissions and removals, as applicable

- Each Party **shall** report **projections for emissions and removals [FX: encouraged]**.
- Projections will be indicative on future trends, and will not be used to assess progress towards NDC, unless a Party identified the reported projection as its baseline.



- Projections **shall** begin from most recent year in the Party's inventory report and extend **at least 15 years beyond** the next year ending in zero or five **[FX: extend their projections at least to the end point of their NDC]**.
- Each Party should provide information on the **methodology used to develop projections**:
  - Models, approaches, key assumptions, parameters (*GDP rate/level, population growth rate/level, etc.*);
  - Changes in methodology since the latest BTR;
  - Assumptions on policies and measures included in WM and WAM projections, if included;
  - Sensitivity analysis for the projections.
- Each Party **shall** report projections for **key indicators to determine progress towards its NDC**.
- Each Party **shall** include projections on a **sectoral basis and by gas, as well as for the national total**
- Projections **shall** be presented relative to actual inventory data (for preceding years) and be provided with and without LULUCF.

Related CTFs:  
Tables 7,8,9,10 &11

[FX: can report using less detailed methodology or coverage]

# F. Projections of greenhouse gas emissions and removals, as applicable

## 7, 8, 9. Information on projections of GHG emissions and removals

	Most recent year in the NIR (kt CO <sub>2</sub> eq)	Projections of GHG emissions and removals (kt CO <sub>2</sub> eq)		
	20XX	20X(0)(5)	20X(0)(5)	20X(0)(5)
<b>Sector</b>				
Energy				
Transport				
IPPU				
Agriculture				
LULUCF				
Waste				
Other (specify)				
<b>Gas</b>				
CO <sub>2</sub> emissions including net CO <sub>2</sub> from LULUCF				
CO <sub>2</sub> emissions excluding net CO <sub>2</sub> from LULUCF				
CH <sub>4</sub> emissions including CH <sub>4</sub> from LULUCF				
CH <sub>4</sub> emissions excluding CH <sub>4</sub> from LULUCF				
N <sub>2</sub> O emissions including N <sub>2</sub> O from LULUCF				
N <sub>2</sub> O emissions excluding N <sub>2</sub> O from LULUCF				
HFCs				
PFCs				
SF <sub>6</sub>				
NF <sub>3</sub>				
Other (specify)				
Total with LULUCF				
Total without LULUCF				

Separate CTFs for each scenario:

- WM [shall]
- WAM [may]
- WOM [may]

## 10. Projections of key indicators

Key indicator(s)	Unit, as applicable	Most recent year in the NIR, or the most recent year for which data is available 20XX	Projections of key indicators		
			20X(0)(5)	20X(0)(5)	20X(0)(5)

## 11. Key underlying assumptions and parameters used for projections

Key underlying assumptions and parameters	Unit, as applicable	Most recent year in the NIR, or the most recent year for which data is available 20XX	Projections of key underlying assumptions and parameters		
			20X(0)(5)	20X(0)(5)	20X(0)(5)

# CTF table 10

## 10. Projections of key indicators

Key indicator(s): <sup>c</sup>	Unit, as applicable	Most recent year in the Party's national	Projections of key indicators <sup>d</sup>		
		2021	2025	2030	2035
Total economy-wide greenhouse gas emissions and removals	kt CO2 eq	4881	4409	4086	3800
Solar Power Installation	Gigawatts (GW)	50	80	120	170
Electric Vehicle Adoption	Number of Electric Vehicle	50	100	200	400
Forest Cover Increase	Hectares (in thousands)	200	250	300	360

# CTF table 11

## 11. Key underlying assumptions and parameters used for projections

### 11. Key underlying assumptions and parameters used for projections<sup>a,b</sup>

Key underlying assumptions and parameters: <sup>c</sup>	Unit, as applicable	Most recent year in the Party's national inventory report, or the most recent year for which data is available	Projections of key underlying assumptions and parameters <sup>d</sup>			
			2021	2025	2030	2035
Gross Domestic Product Growth Rate	Percentage (%)	3.5	4	4.5	5	
Population Growth Rate	Percentage (%)	1.2	1.5	1.8	2	
Energy Consumption per Capita	MWh per person	7.5	8	8.5	9	

# Understanding the tables

- Decision 5/CMA.3 – Annex II

Progress of what?	What is the Target?	Description of NDC	Appendix
How will I track Progress?	Definitions	Definition necessary to understand the NDC	Table 1
	Indicators	Description of the indicator	Table 2
	Methodologies	Methodologies and accounting approaches	Table 3
How will I achieve the Target?	Policies, Measures, Actions & Plans	Mitigation policies, measures, action and plans	Table 5
	Projections	Projections of GHG emissions and Removals	Table 7,8&9
		Projections of indicators	Table 10
		Assumptions and parameters for projections	Table 11
Am I on Track?/ Did I achieve the target?	GHG Emissions and Removals	Summary of GHG inventory	Table 6
	Make Assessment	Structured summary	Table 4

# Useful Knowledge Products on NDC related topics (1)

Title and Hyperlink	Thematic Focus
<a href="https://transparency-partnership.net/"><u>Biennial Transparency Report Guidance and Roadmap Tool (transparency-partnership.net)</u></a>	Tool aims at guiding developing countries in planning the preparation process of their first BTR as well as preparing a roadmap for implementing it
<a href="https://transparency-partnership.net/"><u>NDC Handover Checklist (transparency-partnership.net)</u></a>	Checklist helps countries to prepare for the future NDC processes through recording all essential information of their recent NDC process
<a href="https://transparency-partnership.net/"><u>Second edition: Accounting for National Determined Contributions (transparency-partnership.net)</u></a>	Study Update integrating relevant provisions of the Katowice Rulebook and decisions taken at COP26 in Glasgow
<a href="https://transparency-partnership.net/"><u>Projections of Greenhouse Gas Emissions and Removals: An Introductory Guide for Practitioners (transparency-partnership.net)</u></a>	Short practical introduction about developing GHG projections providing an overview of key steps and highlights good practices, targeted at policymakers and other climate practitioners from developing countries with limited experience in this field
<a href="https://international-climate-initiative.com/"><u>On the road to 2025- Lessons for effective NDC update support   Internationale Klimaschutzinitiative (IKI) (international-climate-initiative.com)</u></a>	Study identifying and highlighting key lessons from developing country experiences of the 2020/2021 NDC updating process, and the support received from Support Providers, with the aim to inform and provide guidance to the provision of future NDC support enhancement and implementation

# Useful Knowledge Products on NDC related topics (2)

To be updated soon: <a href="#">Guidance for policy makers on NDCs and the ETF (transparency-partnership.net)</a>	Study Update. Provides guidance on the key steps and challenges in developing, implementing, and maintaining NDCs, as well as the new transparency requirements of the Paris Agreement.
To be updated soon: <a href="#">National benefits of climate reporting (transparency-partnership.net)</a>	Study Update to highlight additional (national) benefits and opportunities through transparency and MRV for climate reporting, and clarify their utility
Available soon: <b>NDC-Transparency-Nexus Video</b>	Development of a 2.5-minute explainer video on the interconnectedness between NDCs and climate reporting in the ETF
Available soon: <b>NDC Progress Indicators</b>	Study on the concept of indicators for tracking NDCs, both mitigation and adaptation, with a stepwise approach to their selection and development

# Thank you for your attention

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