



Food and Agriculture  
Organization of the  
United Nations

## FAO and the Enhanced transparency framework

# Tracking the progress made in implementing and achieving the Nationally Determined Contributions

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# In this presentation

- An overview of Decision 18/CMA.1 – Modalities Procedures and Guidelines (MPGs) of the Enhanced Transparency Framework (ETF)
- Chapter III: Information necessary to track progress made in implementing and achieving its NDC under the Article 4 of the Paris Agreement
- Approaches and methodologies for tracking NDC progress



# Decision 18/CMA.1 - Modalities Procedures and Guidelines (MPGs) of the ETF

- Adopt the **First Biennial Transparency Report (BTR)** to be submitted no later than 31st December 2024
- Section II of the BTR shall include **the information necessary to track progress made in implementing and achieving NDCs** (MPGs paras. 59– 103)
- The Decision 5/CMA.3, provides the outline of the BTR and **Common tabular formats** for reporting the information necessary to track NDCs
- Decision 4/CMA.1, provides further guidance on NDC accounting in relation to the **mitigation section**
- For the first BTR, which contain information of the **end year/period of its NDC**, each Party shall provide an assessment of whether it has **achieved the target(s) for its NDC** and the **most recent information** for each selected indicator



# MPGs, Chapter III - Information necessary to track progress made in implementing and achieving its NDC under the Article 4 of the Paris Agreement

- Section A: **National circumstances and institutional arrangements**
- Section B: **Description of Party's nationally determined contribution under Article 4**
- Section C: **Information necessary to track progress made in implementing and achieving its NDC under the Article 4 of the Paris Agreement**



# MPGs, Chapter III - Information necessary to track progress made in implementing and achieving its NDC under the Article 4 of the Paris Agreement

- **Section 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**
- **Section E: Summary of greenhouse gas emissions and removals**
- **Section F: Projections of greenhouse gas emissions and removals, as applicable**



# Section A: National circumstances and institutional arrangements

Each Party **shall** describe:

- National circumstances:
  - ✓ Government structure, population & geographical and climate profile, sector Details
  - ✓ How the above affect **NGHG emissions and removals** over time
- Institutional arrangements:
  - ✓ internationally transferred mitigation outcomes, for domestic MRV system, archiving system, stakeholder engagement



# Section B: Description of the NDC

Each Party **shall** describe:

- Target(s) type (s): absolute or emissions intensity, baseline, mitigation co-benefits, policies and measures
- Target year(s) or period(s): single-year or multi-year target(s)
- Reference point(s), level(s), baseline(s), base year(s) or starting point(s), and their respective value(s)
- Time frame(s) and/or periods for implementation (example: 2025 and/or 2030)
- Scope and coverage (sectors, categories, activities, sources and sinks, pools and gases)



# Section B: Description of the NDC

## Example

The unconditional pathway will result in **absolute emission levels of 347.3 Mt CO<sub>2</sub>eq** in 2030, which represents a reduction against the revised BAU of 14% (-56 Mt CO<sub>2</sub>eq) in 2030. The impact of further policy interventions proposed under the conditional pathway decreases absolute emission levels to 125.8 Mt CO<sub>2</sub>eq such that the combined impact of unconditional and conditional contributions represents a **reduction of 68.8% (-277.7 Mt CO<sub>2</sub>eq) in comparison with the revised BAU emissions in 2030** (Figure 3). This ambitious pathway is conditional on international support and includes Ethiopia's unconditional efforts.

*Source : Ethiopia, UPDATED NATIONALLY DETERMINED CONTRIBUTION, 2021*





# Section C: Information necessary to track progress made in implementing and achieving NDCs under the Article 4 of the Paris Agreement



# Selection of indicator(s), (MPGs, para 65).

Each Party:

- **Shall identify the indicator(s)** that it has selected to track progress of its NDC
  - ✓ Indicator (s) are relevant to the **NDC targets**
  - ✓ Can be **qualitative** or **quantitative**



# Example of indicator types according to MPGs para 66 vs updated NDC targets

Type of Indicator	Example of NDC	Country
Net GHG emissions and removals	Emissions reduction of approximately 64.6 million tCO <sub>2</sub> e/year by 2030	Cambodia NDC, 2020
Percentage reduction of GHG intensity	40 % reduction in per capita GHG emissions below BAU by 2030.	Zimbabwe NDC, 2021
Qualitative Indicator of a policy and measure	Participatory environmental management of resources and forms of land use	Argentina NDC, 2020
Other	Increase of forest cover to 12.9 % of the territory of Armenia by 2030	Armenia NDC, 2020



# Description of selected indicators (MPGs, para 67)

- **Shall** provide information for each **indicator**: Reference point(s), level(s), baseline(s), base year(s) or starting point(s).
- ✓ Update the information in accordance with any **recalculation of the GHG inventory**, as appropriate.

## Example:

The 2019 base year of 58.8 MtCO<sub>2</sub> emissions was estimated using the IPCC 2006 for National Greenhouse Gases Inventories. There is a possibility of **recalculating the 2019** greenhouse gases emissions value by 2025 to reflect the policy changes and improved data availability. The final value for 2030 target will be reported in the National Greenhouse Gases Inventory document covering the period up to 2030.

*Source: Ghana, Updated NATIONALLY DETERMINED CONTRIBUTIONS 2021*



# Information necessary on each selected indicator (MPGs, para 68-70)

Each Party:

- **Shall** provide the **most recent information** for each **indicator** for each reporting year during the implementation period
- **Shall** provide **information for the previous** reporting year for each **indicator**
- **Shall** compare the most recent information for each indicator with the reference information to track NDC progress



# Example of tracking NDC progress for GHG-related indicators

## Example:

- Indicator : Net GHG emissions and removals
- Target year : 2030
- Target level: decreases absolute emission levels to 125.8 Mt CO<sub>2</sub>eq

## Tracking progress:

- ✓ Actual emissions and removals in 2030 (inventories)  $\leq$  125.8 Mt CO<sub>2</sub>eq = **NDC target achieved**
- ✓ Actual emissions and removals in 2030  $\geq$  125.8 Mt CO<sub>2</sub>eq = **NDC target not achieved**



# Methodology / accounting approach (MPGs paras. 71 – 72)

Each Party:

## For the 1st NDC

- **Shall** indicate and report their accounting approach & how it is consistency with the PA, Article 4, paras. 13 - 14
- **May** choose to provide information on the accounting of its first NDC consistent with the decision 4/CMA.1.

## For the 2nd NDC and subsequent NDCs

- **Shall** provide information referred to in MPGs III.C and D consistent with decision 4/CMA.1.
- **Shall** clearly indicate how its reporting is consistent with decision 4/CMA.1.



# Methodology / accounting approach (MPGs paras. 73-75)

- Each Party **Shall** provide a description of each methodology and/or accounting approach used for:

Parameters	Methodology and / or accounting approach consistency with the decision 4/CMA.1
<ul style="list-style-type: none"><li>Target (s)</li></ul>	<ul style="list-style-type: none"><li>✓ Key parameters and assumptions, definitions, data sources and models used</li><li>✓ IPCC guidelines used</li><li>✓ Metrics used</li></ul>
<ul style="list-style-type: none"><li>Construction of the baseline</li></ul>	<ul style="list-style-type: none"><li>✓ Any sector, category or activity-specific assumptions, methodologies and approaches consistent with IPCC guidance</li><li>✓ The approach used to address emissions and removals from:</li></ul>
<ul style="list-style-type: none"><li>Indicator (s)</li></ul>	<ul style="list-style-type: none"><li>• natural disturbances on managed lands;</li><li>• harvested wood products;</li><li>• effects of age-class structure in forests;</li><li>• mitigation co-benefits of adaptation actions and/or economic diversification plans; use of internationally transferred mitigation outcomes consistent with CMA guidance on cooperative approaches under Article 6;</li><li>• track progress arising from the implementation of policies and measures;</li><li>• any other methodologies; conditions; assumptions related to its NDC and its achievement</li></ul>





# Methodology / accounting approach (MPGs Para 76.)

Each Party **shall** describe:

- How the methodology in each reporting year is related to the methodology when communicating its NDC and is consistent with the NGHGI (Decision 4/CMA.1)
  - ✓ Report any methodological changes made during the implementation of the NDC
  - ✓ Maintain consistency in **scope** and **coverage**, **definitions**, **data sources**, **metrics**, **assumptions** and **methodological approaches** with the GHGI and any methodological inconsistency with the recent NGHGI
  - ✓ How double accounting of GHG emissions has been avoided



# Methodology and/or accounting approach

Each party **shall** provide:

- Information on each indicator in previous reporting years as well as the most recent information (eg: net GHG emissions and removals in each reporting year during the NDC period until the last year of the GHG inventory)
- GHG emissions and removals covered by the NDC and contribution from **LULUCF** for each year of the target year/period, if not included in the inventory time series
- An emissions balance covered by its NDC **adjusted** on the basis **internationally transferred** mitigation outcomes & any information consistent with the CMA on Article 6



**Section 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**



# Information necessary for tracking Mitigation policies and measures (P&Ms)

Each party:

- **Shall** provide information on actions, P&Ms that support the implementation and achievement of its NDC (MPGs para 88)
  - ✓ Focus on those having the **most significant impact on GHG** emissions
  - ✓ impacting **key categories** in the NGHGI
- **Shall** organize reporting **by sector** ( Energy, transport, industrial processes and product use, agriculture, LULUCF, waste management and other)



# Information necessary for tracking Mitigation policies and measures (P&Ms)

- Each Party **shall** provide information on:
  - ✓ Name; Description; Objectives;
  - ✓ Type of instrument (regulatory, economic or other);
  - ✓ Status (planned, adopted or implemented);
  - ✓ Sector(s) affected (energy, transport, industrial processes and product use, agriculture, LULUCF, waste management or other);
  - ✓ Gases affected ( **CO<sub>2</sub>**, **CH<sub>4</sub>**, **N<sub>2</sub>O**, HFCs, PFCs, NF<sub>3</sub>)



# Information necessary for tracking Mitigation policies and measures (P&Ms)

- **Shall** provide information on:
  - ✓ Start year of implementation;
  - ✓ Implementation entity or entities;
- **May** also provide:
  - ✓ Costs;
  - ✓ Non-GHG mitigation benefits;
  - ✓ How mitigation actions identified interact with each other.



# Information necessary for tracking Mitigation policies and measures (P&Ms)

- **Shall** provide estimates of **expected** and **achieved** GHG emission reductions for its actions, policies and measures
- **Should** identify actions, P&Ms:
  - ✓ No longer in place compared with the most recent BTR and explain why they are no longer in place.
  - ✓ Influence GHG emissions from international transport.
  - ✓ Modifying longer-term trends in GHG emissions

May be the annex in the BTR



## E. GHG emissions and removals

Each Party:

- **Shall** provide a **summary of its GHG emissions and removals** if the GHGI is submitted as a stand-alone report. Include reporting years corresponding to the most recent GHGI, in a **tabular format**





## F. Projections of greenhouse gas emissions and removals

- **Shall** report projections of GHG emissions/removals
- **Shall** not use projections to assess **progress towards NDC** implementation, unless it has been **identified as baseline**
- **Shall** report **‘with measures’** projection;
- **May** report a **‘with additional measures’** projection and a **‘without measures’** projection.
- **Shall** begin from the most recent year in the NGHGI to at least 15 years beyond the next year ending in 0 or 5

Flexibility for LDC: encouraged to report projections + can use less detailed methodology or coverage

Extend: Projections least to the NDC end point



# F. Projections of greenhouse gas emissions and removals

- Each party **should** describe the methodology used for its projections:
  - ✓ Models and/or approaches; key underlying assumptions; parameters (e.g. gross domestic product growth rate/level, population growth rate/level)
  - ✓ Changes in the methodology since the most recent BTR
  - ✓ Assumptions on P&Ms included in the ‘with measures’ projections and ‘with additional measures’ if used
  - ✓ Sensitivity analysis for any of the projections



# F. Projections of greenhouse gas emissions and removals

- Each Party **shall** provide projections for:
  - ✓ key indicators to determine progress towards its NDC (MPGs para 97)
  - ✓ sectors and by gas, as well as for the national total (consistent with NGHGI)
- Projections shall be:
  - ✓ relative to actual inventory data for the preceding years
  - ✓ provided with and without LULUCF

Projections shall be presented in graphical and tabular formats



# Next steps

- The UNFCCC to develop reporting tools for **common tabular formats**, a test version should be available by June 2023 with a view to the final version by June 2024
- Parties to submit **their views on their experiences** with the test version of the reporting tools, including inputs on improving the tools
- Facilitate the interoperability between the reporting tools and IPCC software



# FAO and the Enhanced transparency framework

[www.fao.org/climate-change/our-work/what-we-do/transparency/](http://www.fao.org/climate-change/our-work/what-we-do/transparency/)

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*Thank you !*

