



Alianza para la Transparencia
en el Acuerdo de París
Grupo Regional de América Latina y el Caribe



REPÚBLICA DE PANAMÁ
— GOBIERNO NACIONAL —



CBIT-GSP
CLIMATE TRANSPARENCY

Tracking Progress of the Mitigation Commitments of Nationally Determined Contributions: Introductory webinar

3/10/2023



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Mitigation tracking in the context of UNFCCC

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Relevance of assessing and tracking progress of mitigation

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)

Assessing and tracking progress following the MPG

Section III.A National Circumstances of the country provide the local context

But the aspects listed under **Section III.B Description of Party's NDC** are needed for tracking

NDC description
Target
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
Scope and coverage, including, as relevant, sectors, categories, activities, sources and sinks, pools and gases
Intention to use cooperative approaches that involve the use of ITMOs towards NDC
Any updates or clarifications of previously reported information

Assessing and tracking progress following the MPG

- a) NDC Progress tracking
MPG: Section III.C (para 59-79)

Based on the National
GHG Inventory data

- b) Mitigation policies and measures, actions and plans' tracking
MPG: Section III.D (para 80-85)

Based on BTR Mitigation
Chapter results

focusing on those PMA&P that have the most significant impact on GHG emissions or removals and those impacting key categories in the national GHG inventory.

Assessing and tracking progress following the MPG

United Nations

E/CN.3/2022/17



Economic and Social Council

Distr.: General
8 December 2021

Original: English

Statistical Commission

Fifty-third session

1–4 March 2022

Item 3 (m) of the provisional agenda*

Items for discussion and decision

Climate change statistics

Report of the Secretary-General

In total: **158** indicators to report Climate Change:

Emissions,
Concentration,
Mitigation, Vulnerability
and Adaptation

Using indicators to report advances on NDC targets

Indicators classified under: Total greenhouse gas emissions

Source: Climate change statistics, UN Economic and Social Council

Total greenhouse gas emissions:

- 1 Total greenhouse gas emissions per year
- 2 Total emissions of indirect greenhouse gases
- 3 Greenhouse gas emissions from land use, land use change and forestry
- 4 Total greenhouse gas emissions from the national economy
- 5 Greenhouse gas emissions per capita
- 6 Greenhouse gas emissions in gross fixed capital formation of direct investment
- 7 Greenhouse gas emissions in value added of foreign-controlled multinational enterprises
- 8 Carbon footprint

Using indicators to report progress on implementation of mitigation policies, actions, measures and plans

Examples of policies	Examples of progress indicators
Renewable portfolio standard	Total electricity generation by source (e.g. wind power, solar power, coal, natural gas)
Public transit policies	Vehicle-kilometres travelled by mode (e.g. subway, bus, train, private car, taxi, bicycle)
Waste management regulation	Tonnes of waste sent to landfills; tonnes of waste sent to recycling facilities; tonnes of waste sent to incineration facilities
Landfill gas management incentive	Tonnes of methane captured and flared or used
Sustainable agriculture policies	Soil carbon content; tonnes of synthetic fertilizers applied; crop yields
Afforestation/reforestation policies	Area of forest by type
Grants for replacing kerosene lamps with renewable lamps	Number of renewable lamps sold; market share of renewable lamps; volume of kerosene used for domestic lighting
Subsidy for building retrofits	Number of buildings retrofitted; energy use per building
Information campaign to encourage home energy conservation	Household energy use (sample of households or average use)

Common tabular formats

- 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^a</i>	<i>Description</i>
{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

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.

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

^b 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).

^c 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

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

Contents of Common tabular formats

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

1. Structured summary: Description of selected indicators

<i>Indicator(s) selected to track progress^a</i>	<i>Description</i>
{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	

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.

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

^b 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).

^c 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:

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

<i>Indicator(s) selected to track progress^a</i>	<i>Description</i>
{Indicator} GHG emissions	Total economy-wide greenhouse gas emissions and removals in the relevant reporting year (kt CO ₂ e)
Information for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate ^b	Starting point 2016: 4881 Gg CO ₂ eq (incl. LULUCF). Reference level: 6900 kt CO ₂ eq. Baseline: Business as Usual 2030
Updates in accordance with any recalculation of the GHG inventory, as appropriate ^b	No recalculation conducted
Relation to NDC ^c	The indicator directly relates to the NDC target

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.

Contents of Common tabular formats

FCCC/PA/CMA/202

2. Structured summary: Definitions needed to understand NDC

<i>Definitions^a</i>
<i>Definition needed to understand each indicator:</i>
{Indicator}
<i>Any sector or category defined differently than in the national inventory report:</i>
{Sector}
{Category}
<i>Definition needed to understand mitigation co-benefits of adaptation actions and/or economic diversification plans:</i>
{Mitigation co-benefit(s)}
<i>Any other relevant definitions:</i>
{...}



2. Structured summary: Definitions needed to understand NDC

<i>Definitions^a</i>	
<i>Definition needed to understand each indicator:</i>	
{Indicator} GHG emissions	Reduction of overall GHG emissions by 40% in 2030 compared to the Business as Usual (BAU) scenario of around 6,900 ktCO ₂ eq (including LULUCF) in 2030. (Global Warming Potential data (GWP) from the IPCC Second Assessment Report (SAR) have been used.)
<i>Any sector or category defined differently than in the national inventory report:</i>	
{Sector}	Exclusion of emissions from PFCs, SF6.
{Category}	N/A
<i>Definition needed to understand mitigation co-benefits of adaptation actions and/or economic diversification plans:</i>	
{Mitigation co-benefit(s)} Agriculture and livestock	i) reduction of the use of fossil energy-based inputs (less gasoil, pesticides, fertilizers) by a shift to agroecological and resilient practices, ii) improvement of the efficiency in the use of inputs (water, chemicals), iii) enhancement of the potential of carbon sequestration and improvement of soil fertility, and iv) reduction of the post-harvest losses. Regarding livestock, applying agroecology principles will produce lower GHG emission (through silvo-pastoral production systems and extensive systems on abandoned lands from the sugar industry, improving feed conversion efficiency and better manure management).
{Mitigation co-benefit(s)} Fishery / Blue economy	i) increased information on GHG emissions from the fishery sector and aquatic food production leading to mitigation actions (regarding fuel and energy use, market forces and the management of fishing capacity, feed and fertilizers for aquaculture, ii) development of climate smart fishery and aquaculture based on sustainable and integrated management plans to contribute to the mitigation of GHG emissions during the fishing and production stages and throughout the entire value chain (processing, transport and marketing activities), and iii) research regarding the potential of aquaculture for carbon sequestration and renewable aquatic energy (algal biofuels, hydropower and other aquatic-based energy systems that exploit the energy potential of tides, currents, waves and wind).

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 sector, category, mitigation co-benefits of adaptation actions and/or economic diversification plans, indicator and any other relevant definitions.

^a Each Party shall provide any definitions needed to understand its NDC under Article 4, including those related to each indicator identified in para. 65 of the MPGs, those related to any sectors or categories defined differently than in the national inventory report, or the mitigation co-benefits of adaptation actions and/or economic diversification plans (para. 73 of the MPGs).

Useful Knowledge Products on NDC related topics

Title and weblink	Thematic Focus
Biennial Transparency Report Guidance and Roadmap Tool (transparency-partnership.net)	Tool aims at guiding developing countries in planning the preparation process of their first BTR as well as preparing a roadmap for implementing it
NDC Handover Checklist (transparency-partnership.net)	Checklist helps countries to prepare for the future NDC processes through recording all essential information of their recent NDC process
Second edition: Accounting for National Determined Contributions (transparency-partnership.net)	Study Update integrating relevant provisions of the Katowice Rulebook and decisions taken at COP26 in Glasgow
Projections of Greenhouse Gas Emissions and Removals: An Introductory Guide for Practitioners (transparency-partnership.net)	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
On the road to 2025- Lessons for effective NDC update support Internationale Klimaschutzinitiative (IKI) (international-climate-initiative.com)	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

To be updated soon: Guidance for policy makers on NDCs and the ETF (transparency-partnership.net)	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: National benefits of climate reporting (transparency-partnership.net)	Study Update to highlight additional (national) benefits and opportunities through transparency and MRV for climate reporting, and clarify their utility
Available now: NDC-Transparency-Nexus Video	Development of a 2.5-minute explainer video on the interconnectedness between NDCs and climate reporting in the ETF
Available soon: NDC Progress Indicators	Study on the concept of indicators for tracking NDCs, both mitigation and adaptation, with a stepwise approach to their selection and development



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Thank you for your attention!

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