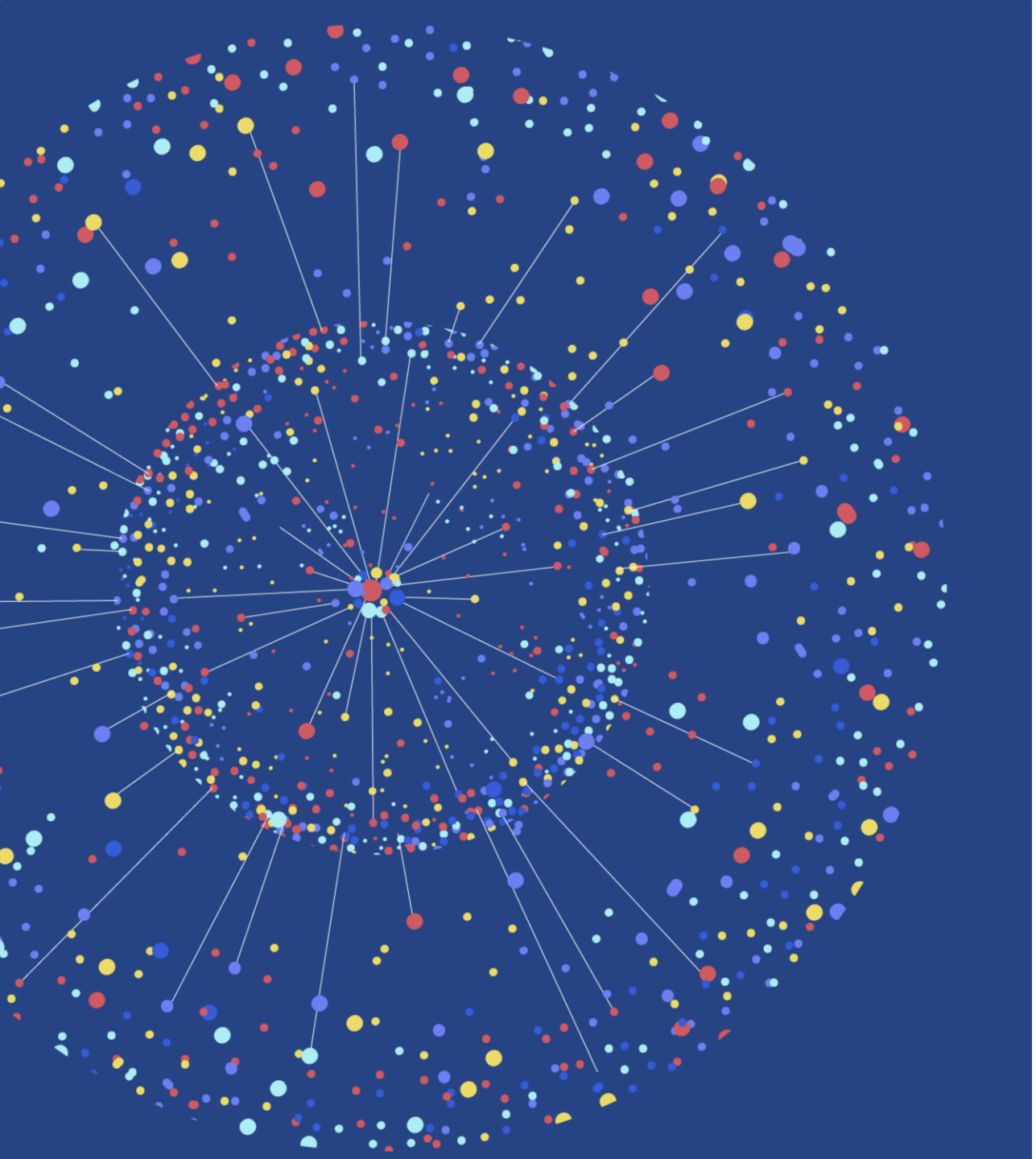

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# NDC Tracking and Transparency

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**Source:**
**2023-2024 CGE's workshop training materials**

# Mandate

**The Paris Agreement**

- Article13.7. Each Party shall regularly provide the following information:

  (b) Information necessary to track progress made in implementing and achieving its nationally determined contribution under Article 4.

- Article13.11. Information submitted by each Party under paragraphs 7 and 9 of this Article shall undergo a technical expert review … In addition, each Party shall participate in a facilitative, multilateral consideration of progress with respect to efforts under Article 9, and its respective implementation and achievement of its NDCs.

**Decision 13/CMA.1: Modalities, procedures and guidelines (MPGs) for the transparency framework for action and support referred to in Article 13 of the Paris Agreement**

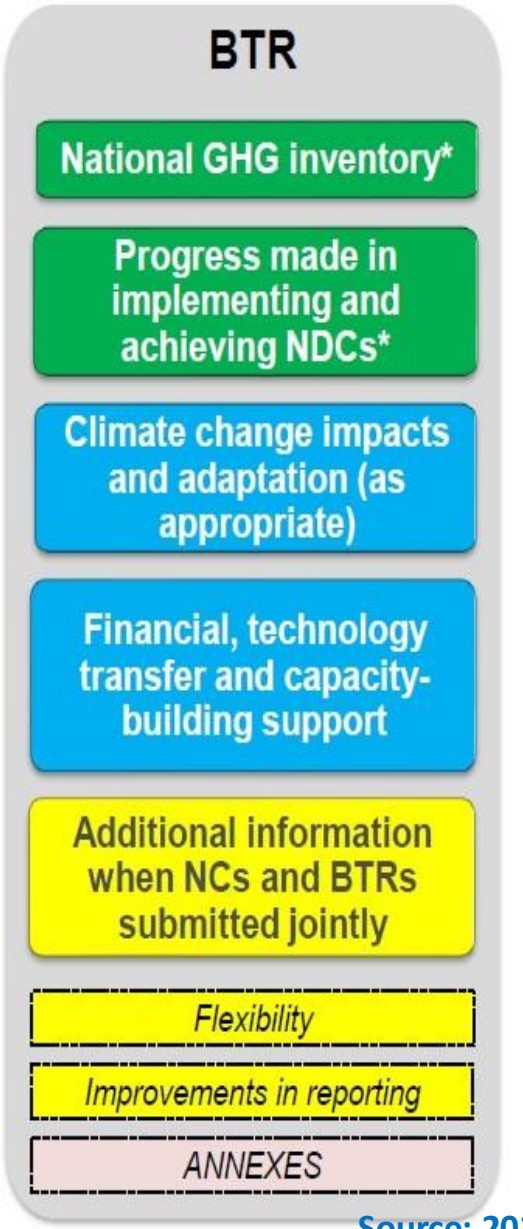
- 10. In the biennial transparency report:

  (b) Each Party shall provide the information necessary to track progress in implementing and achieving its NDC under Article 4 of the Paris Agreement, in accordance with the MPGs contained in chapter III (Information necessary to track progress made in implementing and achieving nationally determined contributions under Article 4 of the Paris Agreement )

- 11. The LDCs and SIDS may submit the information referred to in paragraph 10 above at their discretion.
- Parties shall submit their **first BTR** and NIR (if submitted as a stand-alone document), in accordance with the MPGs (decision18/CMA.1) **at the latest by 31 December 2024**

Source: 2023-2024 CGE's workshop training materials

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




## Overview of chapters

I. National **inventory** report of anthropogenic emissions by sources and removals by sinks of GHGs **(MPGs, para. 17-58)**

II. Information necessary to **track progress made in implementing and achieving NDCs** under Article 4 of the Paris Agreement **(MPGs, para. 59-103)**

III. Information related to **climate change impacts and adaptation** under Article 7 of the Paris Agreement **(MPGs, para. 104-117)**

IV. Information on financial, technology development and transfer and capacity-building support **provided and mobilized** under Articles 9–11 of the Paris Agreement **(MPGs, para. 118-129)**

V. Information on financial, technology development and transfer and capacity-building **support needed and received** under Articles 9–11 of the Paris Agreement **(MPGs, para. 130-145)**

VI. Information to be reported **when NCs and BTRs are submitted jointly** every four years **(1/CP.24, para. 43)** *(vulnerability assessment, cc impacts and adaptation measures-if not reported in section III; RSO; education, training and public awareness)*

VII. Information on **flexibility (MPGs, para. 6)** *(Indication of (1) reporting provisions to which self-determined flexibility is applied, (2) capacity constraints in relation to the application of flexibility and (3) self-determined estimated time frames for improvements in relation to those capacity constraints)*

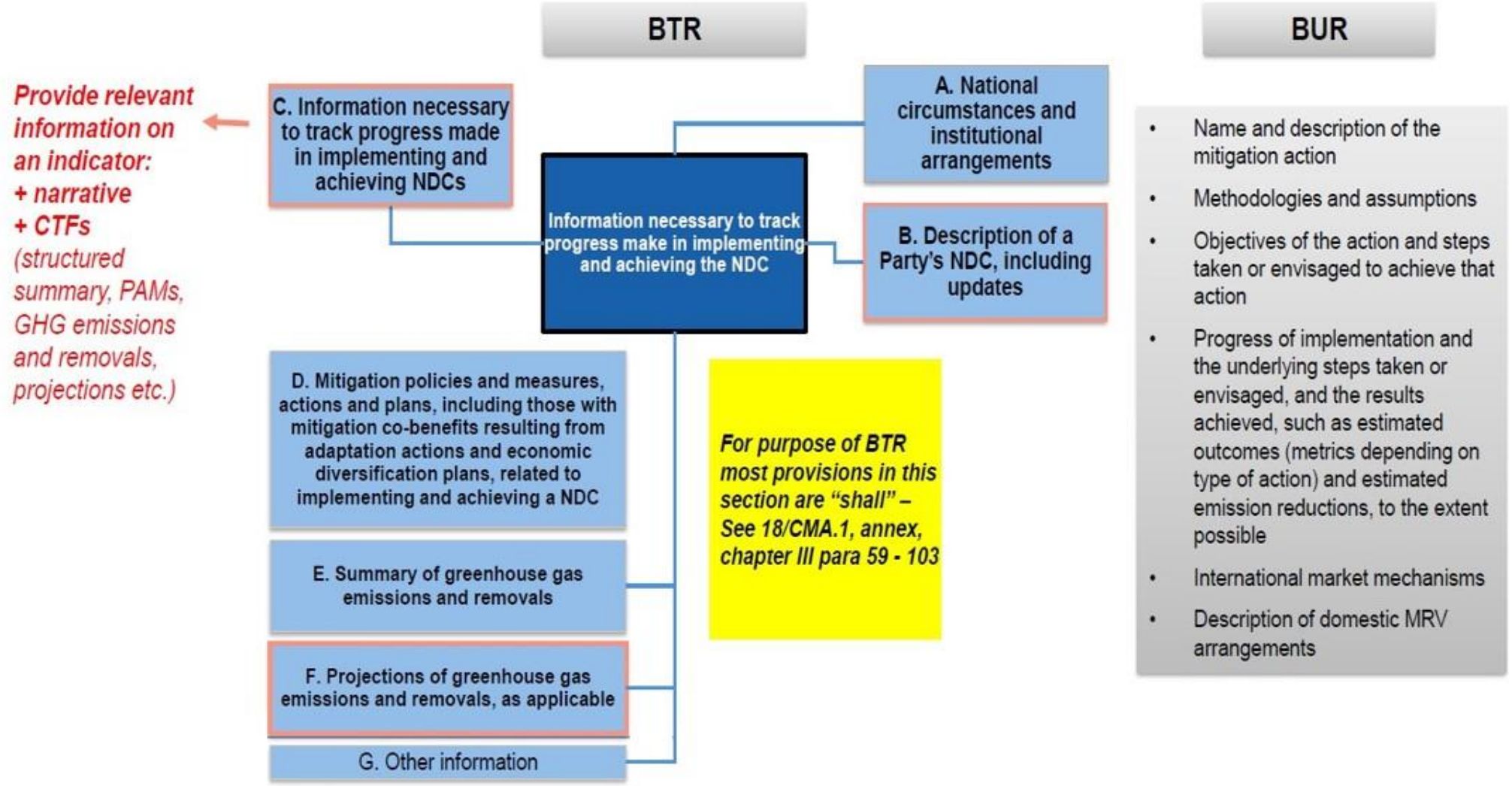
VIII. **Improvements in reporting** over time **(MPGs, para. 7-8)** *(areas of improvement, how these will be addressed, which areas are related to flexibility provisions, reporting-related CB support needs)*

IX. Any other information the Party considers relevant to the achievement of the objective of the Paris Agreement, and suitable for inclusion in its BTR

Annexes: (i) **Technical annexes for REDD+,** as applicable; (ii) **CRTs for electronic reporting of NIR**; (iii) **CTFs for electronic reporting of tracking progress in NDCs**, **FTC support** provided/ mobilized and/or needed and received; (iv) Information in relation to the Party's **participation in cooperative approaches**, as applicable

Source: 2023-2024 CGE's workshop training materials

# Overview of information necessary to track progress of made in implementing and achieving NDCs in BTR (Decision 18/CMA.1, Annex)




Source: 2023-2024 CGE's workshop training materials

# Elements of information to track progress of NDCs

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## A. National circumstances and institutional arrangements

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

| | | | | | |
|---|---|---|---|---|---|
| Government structure | Population profile | Geographical profile | Economic profile | Climate profile | Sector details |

- In addition, each Party **shall** provide information on:
- **How its national circumstances affect GHG emissions and removals** over time (to *clarify the link*)
- **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** are units from the new mechanism for the international emissions trading between Parties to the Paris Agreement.

Source: 2023-2024 CGE's workshop training materials

# Elements of information to track progress of NDCs

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

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

| | Description |
|---|---|
| Target(s) and description, including target type(s)*, as applicable | |
| Target year(s) or period(s), and whether they are single year or multi year target(s), as applicable | |
| Reference point(s), level(s), baseline(s), base year(s) or starting point(s), and their respective value(s), as applicable | |
| Time frame(s) and/or periods for implementation, as applicable | |
| Scope and coverage, including, as relevant, sectors, categories, activities, sources and sinks, pools and gases, as applicable | |
| 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 | |
| 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**"*

→ Parties with both unconditional and conditional targets in their NDC may add a row to the table to describe conditional targets

* *Examples of target types*:

- economy-wide absolute emission reduction
- emission intensity reduction
- emission reduction below a projected baseline
- mitigation co-benefits of adaptation actions or economic diversification plans, policies and measures, etc.

**Source: 2023-2024 CGE's workshop training materials**

# Elements of information to track progress of NDCs

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

- 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, IPPC guidelines, metrics, etc]*
  - 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.

**Source: 2023-2024 CGE's workshop training materials**

# Elements of information to track progress of NDCs

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## 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 [Flexibility: 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

Source: 2023-2024 CGE's workshop training materials

# Elements of information to track progress of NDCs

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## 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.
  - ➢ **the common reporting table 10 emission trends –summary**

| GREENHOUSE GAS EMISSIONS AND REMOVALS | Reference year/period for NDC [1] | Base year [2] | 1990 [1] | (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 |
|---|---|---|---|---|---|---|---|---|---|---|
| | $CO_2$ equivalents (kt) [3] | | | | | | | | | (%) |
| $CO_2$ emissions without net $CO_2$ from LULUCF | | | | | | | | | | |
| $CO_2$ emissions with net $CO_2$ from LULUCF | | | | | | | | | | |
| $CH_4$ emissions without $CH_4$ from LULUCF | | | | | | | | | | |
| $CH_4$ emissions with $CH_4$ from LULUCF | | | | | | | | | | |
| $N_2O$ emissions without $N_2O$ from LULUCF | | | | | | | | | | |
| $N_2O$ emissions with $N_2O$ from LULUCF | | | | | | | | | | |
| HFCs | | | | | | | | | | |
| PFCs | | | | | | | | | | |
| Unspecified mix of HFCs and PFCs | | | | | | | | | | |
| $SF_6$ | | | | | | | | | | |
| $NF_3$ | | | | | | | | | | |
| 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 [1] | Base year [2] | 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| | $CO_2$ equivalents (kt) [3] | | | | | | | | | (%) |
| 1. Energy | | | | | | | | | | |
| 2. Industrial processes and product use | | | | | | | | | | |
| 3. Agriculture | | | | | | | | | | |
| 4. Land use, land-use change and forestry [4] | | | | | | | | | | |
| 5. Waste | | | | | | | | | | |
| 6. Other | | | | | | | | | | |
| Total (with LULUCF) [5] | | | | | | | | | | |

Source: 2023-2024 CGE's workshop training materials

# Elements of information to track progress of NDCs

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

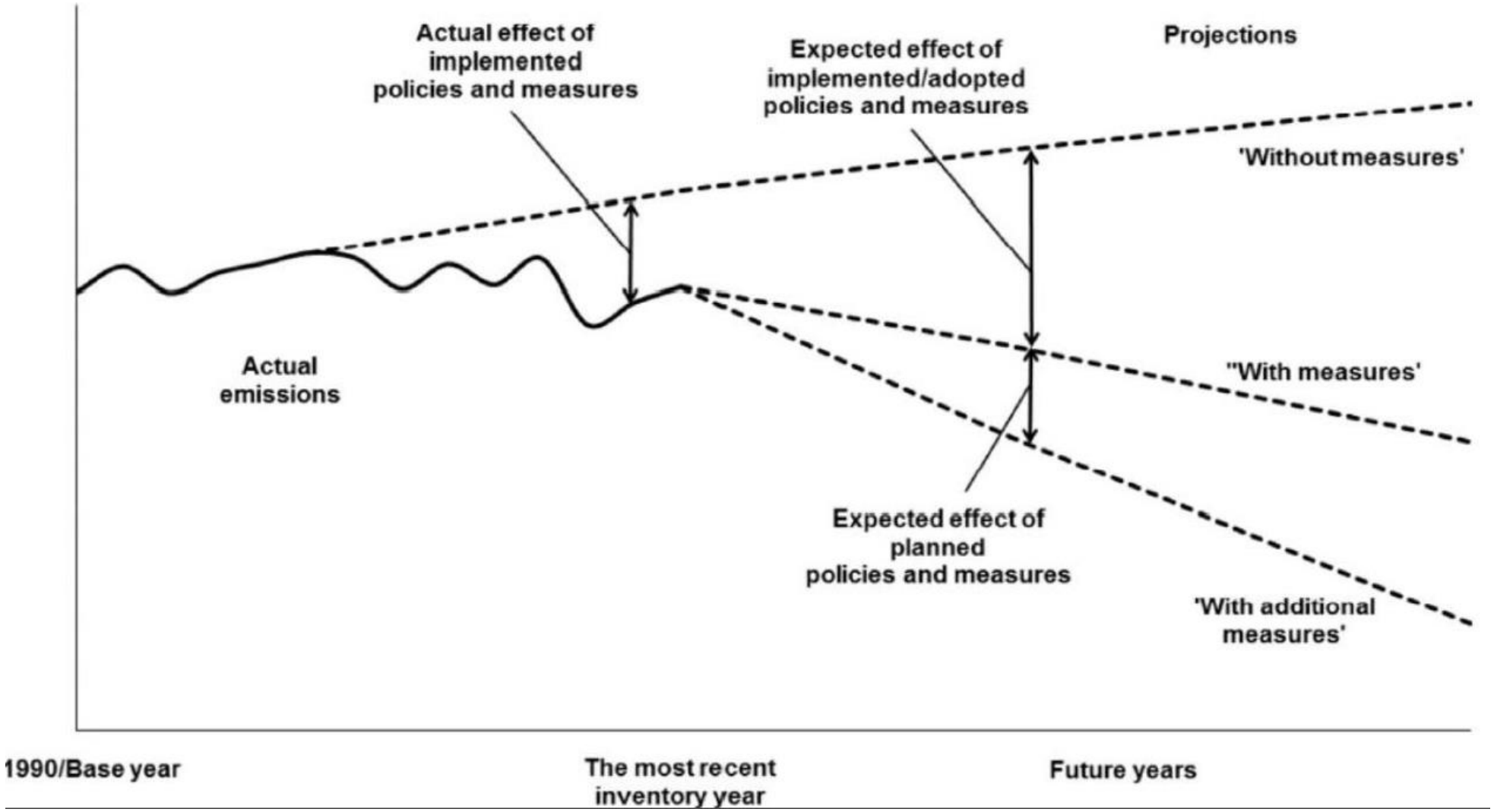
- Each Party **shall** report **projections for emissions and removals [Flexibility: encouraged]**
- Projections will be indicative on future trends and will not be used to assess progress towards NDC, unless a Party identified the reported projection as its baseline.

| "with measures" (shall) | "with additional measures" (may) | "without measures" (may) |
|---|---|---|

- 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 **[Flexibility: 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

**Source: 2023-2024 CGE's workshop training materials**

# Reporting projections of greenhouse gas emissions and removals




Source: 2023-2024 CGE's workshop training materials

## Additional points

- Parties with both unconditional and conditional targets in their NDC may add a row to the relevant tables to describe conditional targets.
- Information needs to match with **NDC/ ICTU**, ensure consistency or explain changes/updates.
- Each Party **with an NDC that consists of 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.
- Some of the **information areas may not be relevant to your NDC** or sometimes there are additional matters to consider. i.e. coverage of GHGs and sectors in your NDC, use or not use of ITMOs, etc. → In those cases, some areas in relevant tables will not be applicable to report progress of your NDC.
- **Flexibility provisions** are specified in MPGs, for those developing country Parties that need it in the light of their capacities (application of flexibility is **self-determined)**
- Where a flexibility is applied, notation **FX** will be used in the tables. Where this applies, information on flexibilities and improvements in reporting need to be elaborated in the BTR.

Source: 2023-2024 CGE's workshop training materials



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