
Introduction to ETF reporting requirements

with a focus on reporting information to track progress made in implementing and achieving NDCs

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Climate Change



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Enhanced Transparency Framework (ETF)

Paris Agreement, Article 13→ established the enhanced transparency framework for action and support;

- to build mutual trust and confidence
- to promote effective implementation
- with built-in flexibility which takes into account Parties' different capacities and builds upon the collective experience
- recognizes the special circumstances of the LDCs and SIDS

PURPOSE of transparency for action

- To provide a clear understanding of climate action including clarity and tracking of progress towards achieving Parties' **individual nationally determined contributions** and adaptation actions, to inform global stocktake.

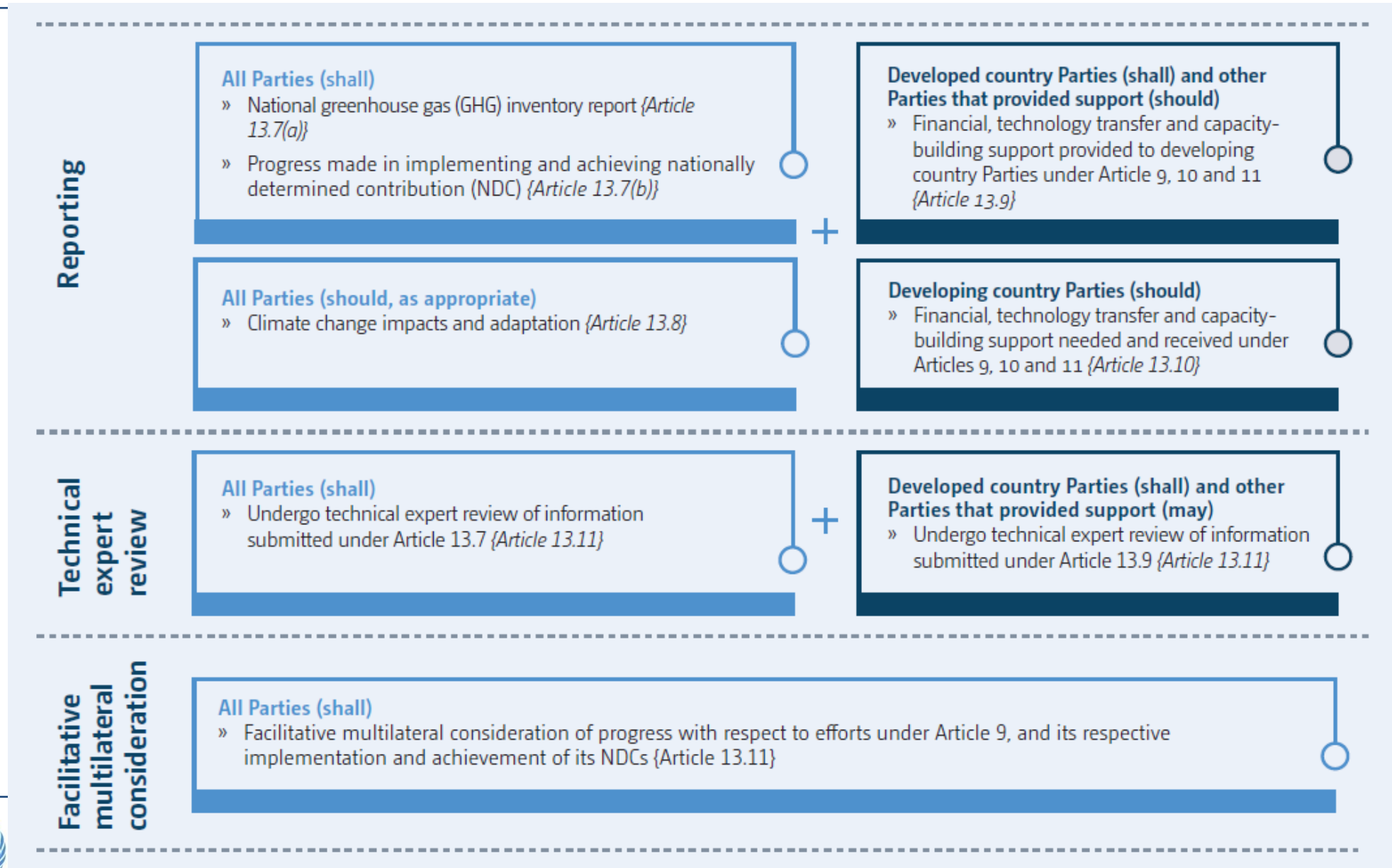
PURPOSE of transparency for support

- To provide clarity on support provided and received by individual Parties in the context of climate change actions and to provide a full overview of aggregate financial support provided, to inform global stocktake.



For further reading: [Technical handbook for developing country Parties on preparing for implementation of the enhanced transparency framework under the Paris Agreement, 2023, UNFCCC](#)

Overview of the ETF under the Paris Agreement



ETF building on existing MRV arrangements

Key areas of enhancement

- Establishes **common modalities, procedures and guidelines (MPGs) applicable to all Parties** with **flexibility** to those developing countries that need it in the light of their capacities
- Parties need to (to the extent possible) identify, regularly update, and report on areas of improvement > **continuous improvement**
- Provisions/requirements - mostly mandatory (“**shall**”)
- NDCs, reporting, TER and FMCP, and their relationship to the Article 15 **Committee** (mechanism to facilitate implementation of and promote compliance)



Built-in flexibility

MPGs for ETF specify the flexibility provisions for those developing country parties that need it in the light of their capacities.

Specific flexibility provisions* are provided in relation to:

- Reporting anthropogenic emissions by sources and removals by sinks of GHG in the national inventory report
- Reporting information to track progress in implementing and achieving the nationally determined contribution
- Technical expert review
- Facilitative, multilateral consideration of progress

The application of the flexibility provided for in the provisions of the MPGs for those developing country Parties that need it in the light of their capacities is to be self-determined.



*For further reading: [Technical handbook for developing country Parties on preparing for implementation of the enhanced transparency framework under the Paris Agreement, 2023, UNFCCC](#)

Built-in flexibility

Flexibility provisions available to those developing country Parties that need it in the light of their capacities in relation to reporting progress in implementing and achieving the **nationally determined contribution**

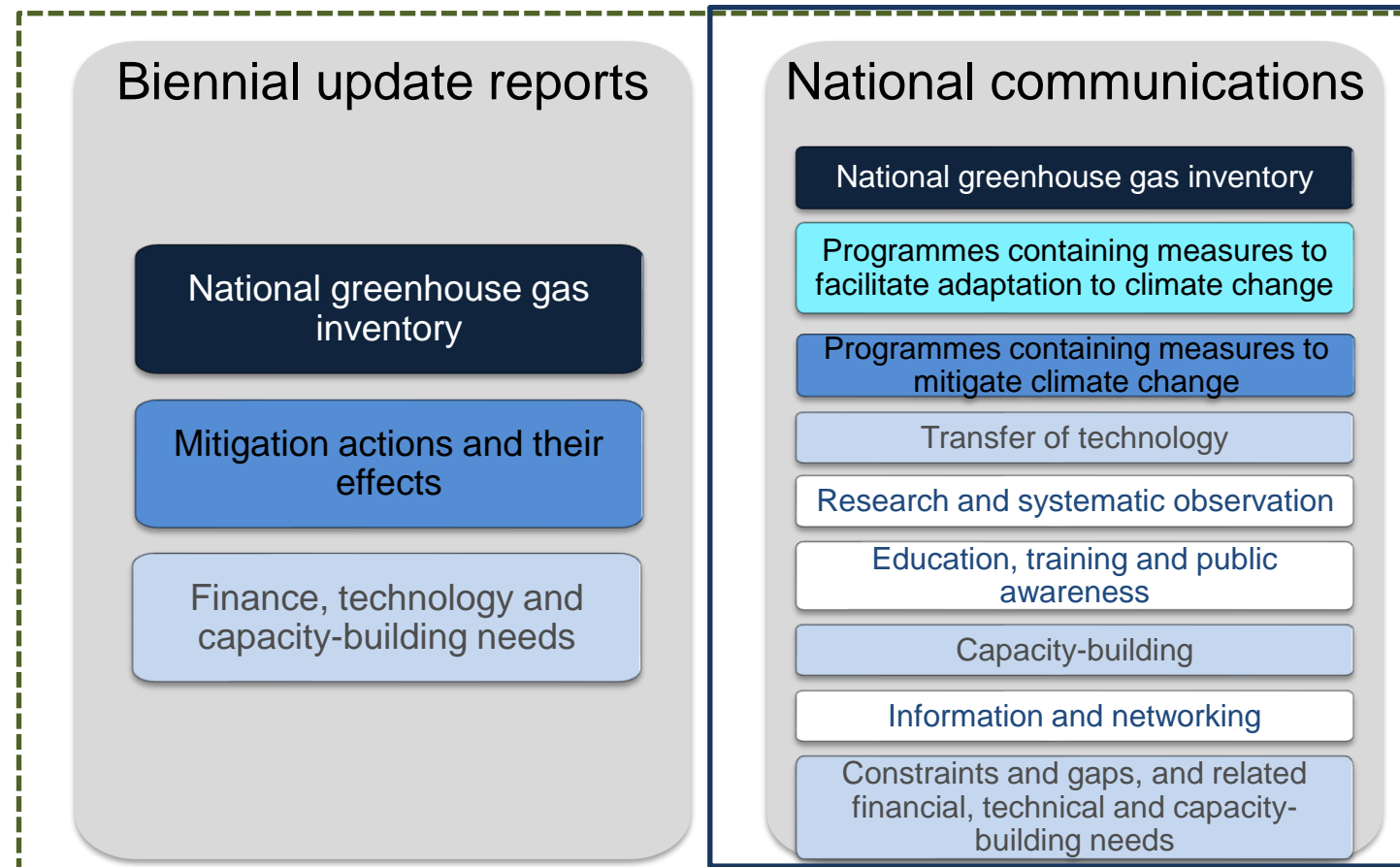
| REFERENCE IN THE MPGS (ANNEX TO DECISION 18/CMA.1) | PROVISION IN THE MPGS | FLEXIBILITY PROVISION FOR THOSE DEVELOPING COUNTRY PARTIES THAT NEED IT IN THE LIGHT OF THEIR CAPACITIES |
|--|---|--|
| Paragraph 85 <i>Expected and achieved GHG emission reductions for PAMs</i> | Each Party shall provide, to the extent possible, estimates of expected and achieved GHG emission reductions of its PAMs | Instead encouraged to report such information |
| Paragraph 92 <i>GHG emission and removals projections</i> | Each Party shall report projections | Instead encouraged to report such projections |
| Paragraph 95 <i>Projections extension</i> | Projections shall begin from the most recent year in the Party's national inventory report and extend at least 15 years beyond the next year ending in zero or five | May extend their projections at least to the end point of their NDC |
| Paragraph 102 <i>Projections methodology or coverage</i> | See paragraphs 93 through 101 of the annex to decision 18/CMA.1 | May report using a less detailed methodology or coverage |



*For further reading: [Technical handbook for developing country Parties on preparing for implementation of the enhanced transparency framework under the Paris Agreement, 2023, UNFCCC](#)

ETF vis-à-vis existing MRV arrangements: reporting themes

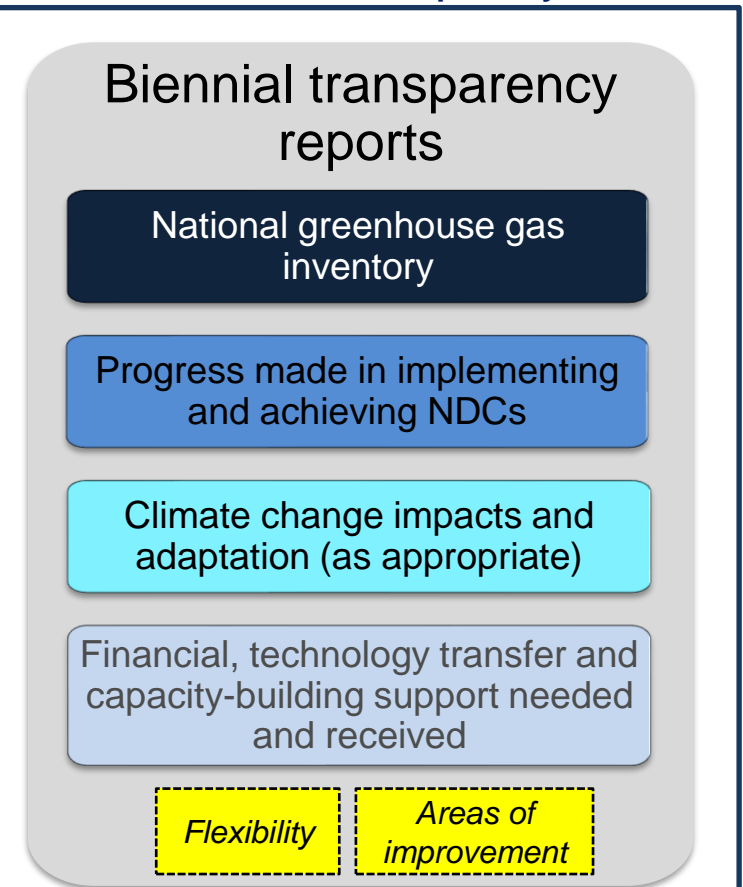
Existing MRV arrangements



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

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

Enhanced Transparency Framework

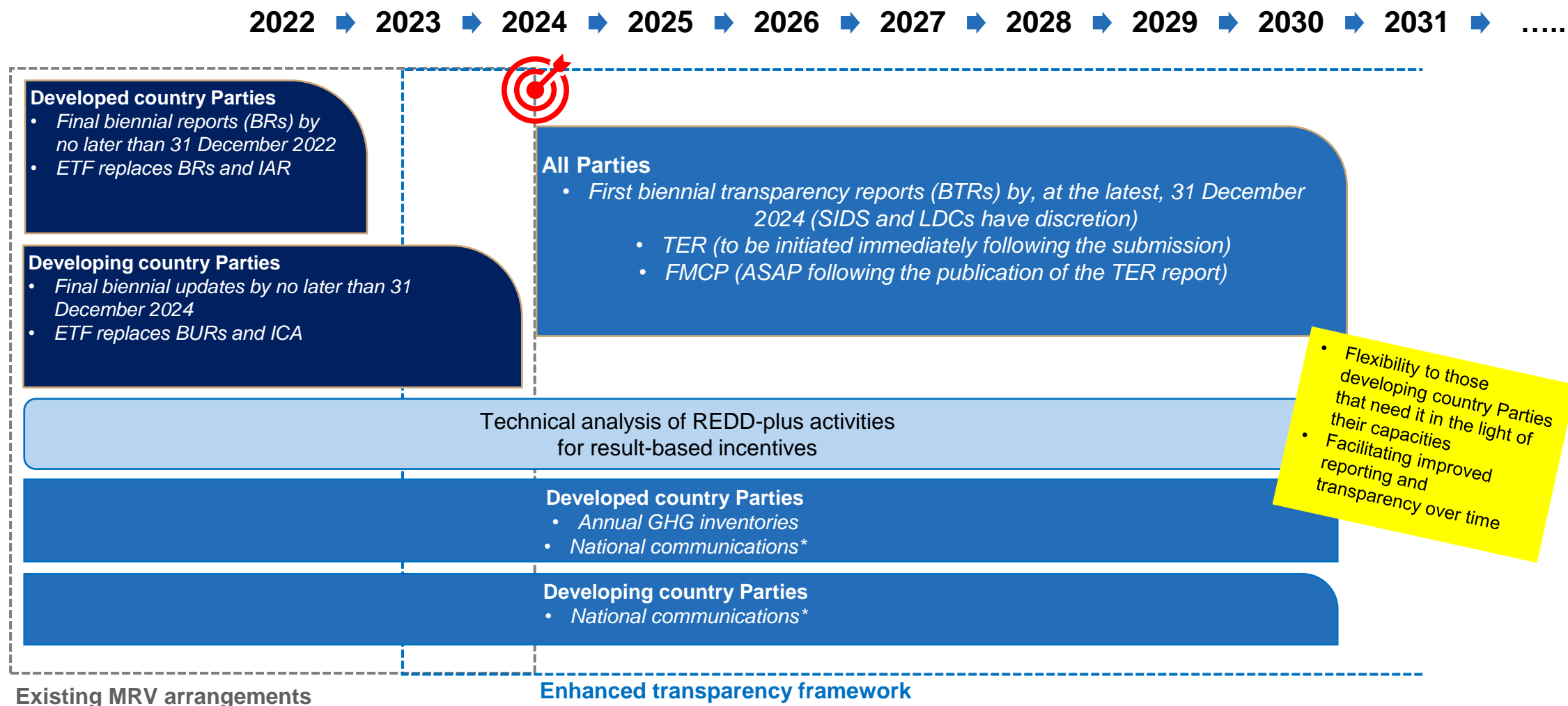


Article 13 of the Paris Agreement;
decisions 18/CMA.1, 5/CMA.3

It is important to note that the legal nature of these reporting themes differ across the reports



Timeline on transitioning from MRV to ETF...



• Flexibility to those developing country Parties that need it in the light of their capacities

• Facilitating improved reporting and transparency over time



*Parties may submit their NC and BTR as a single report
 TER: technical expert review; FMCP: Facilitative, multilateral consideration of progress

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

BTR

National GHG inventory*

Progress made in implementing and achieving NDCs*

Climate change impacts and adaptation (as appropriate)

Financial, technology transfer and capacity-building support needed and received

Additional information when NCs and BTRs submitted jointly

Flexibility

Improvements in reporting

ANNEXES

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) (*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

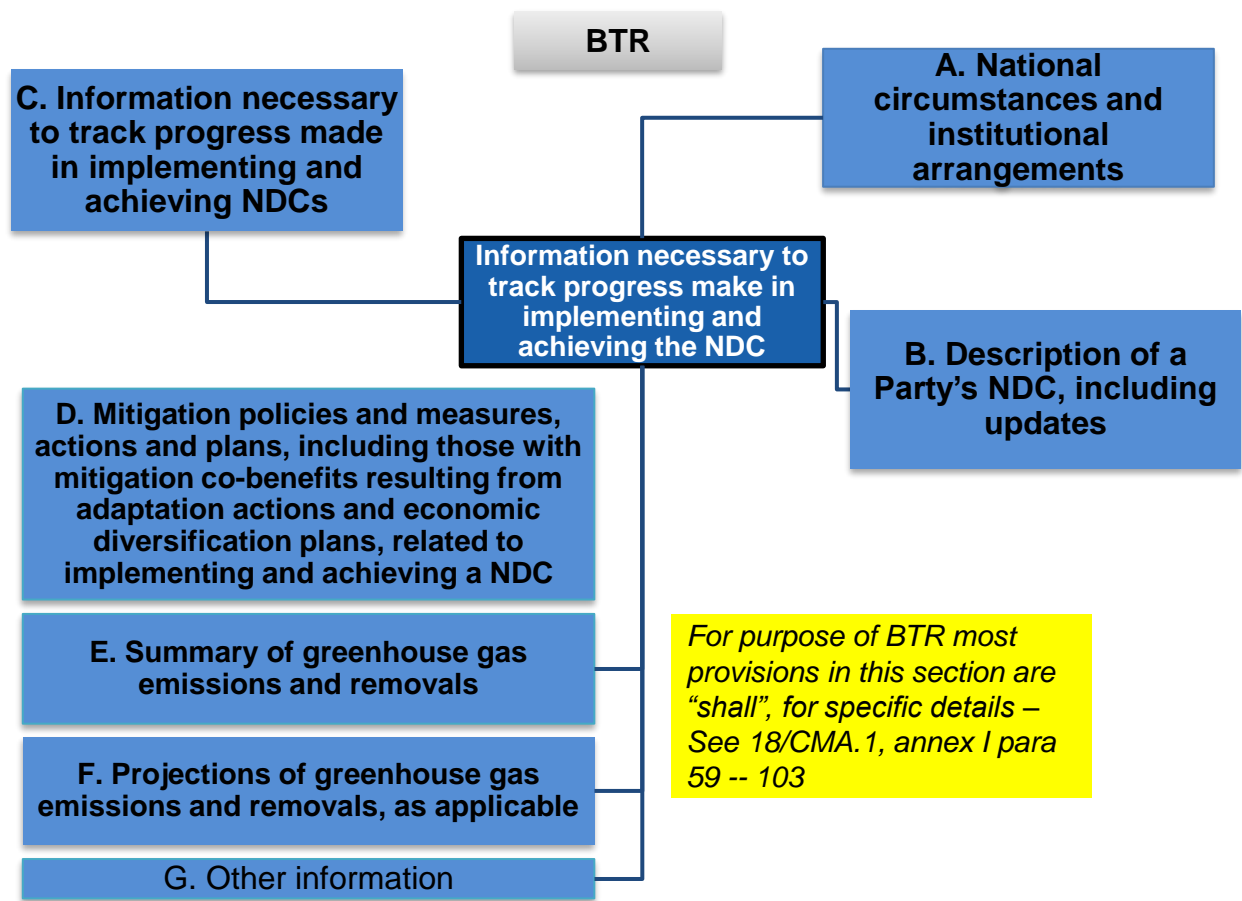
Annexes: (i) **Technical annexes for REDD+**, as applicable; (ii) **CRTs for electronic reporting of NIR**; (iii) **CTFs for electronic reporting of tracking progress in NDCs, FTC support** provided/mobilized and/or needed and received; (iv) Information in relation to the Party's **participation in cooperative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



Reporting information on tracking progress of NDCs

Progress made in implementing and achieving NDCs

Provide relevant information in a:
 + **structured summary**
 + **narrative**
 + **CTFs**

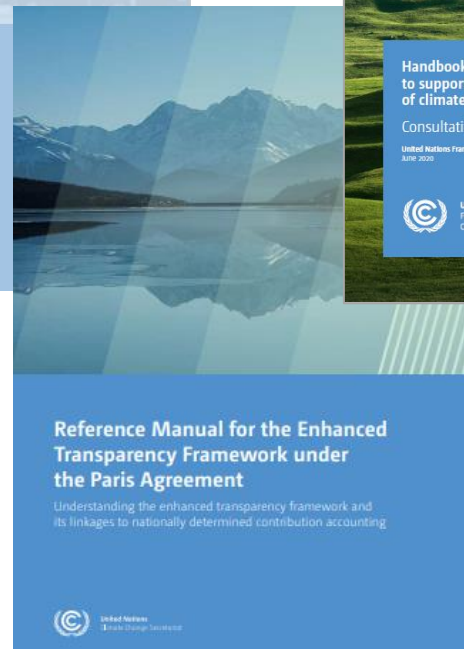
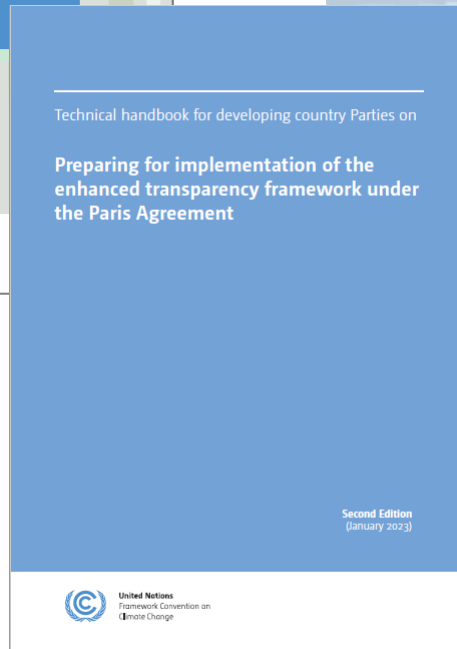


BUR

- Name and description of the mitigation action
- Methodologies and assumptions
- Objectives of the action and steps taken or envisaged to achieve that action
- Progress of implementation and the underlying steps taken or envisaged, and the results achieved, such as estimated outcomes (metrics depending on type of action) and estimated emission reductions, to the extent possible
- International market mechanisms
- Description of domestic MRV arrangements



THANK YOU FOR YOUR ATTENTION!



[CGE \(Consultative
Group of Experts\)](https://unfccc.int/CGE)

<https://unfccc.int/CGE>



ETFsupport@unfccc.int



More information on reporting information on tracking progress of NDCs



Reporting information on tracking progress of NDCs

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

Reporting information on tracking 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

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



* *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.

Reporting information on tracking progress of NDCs

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

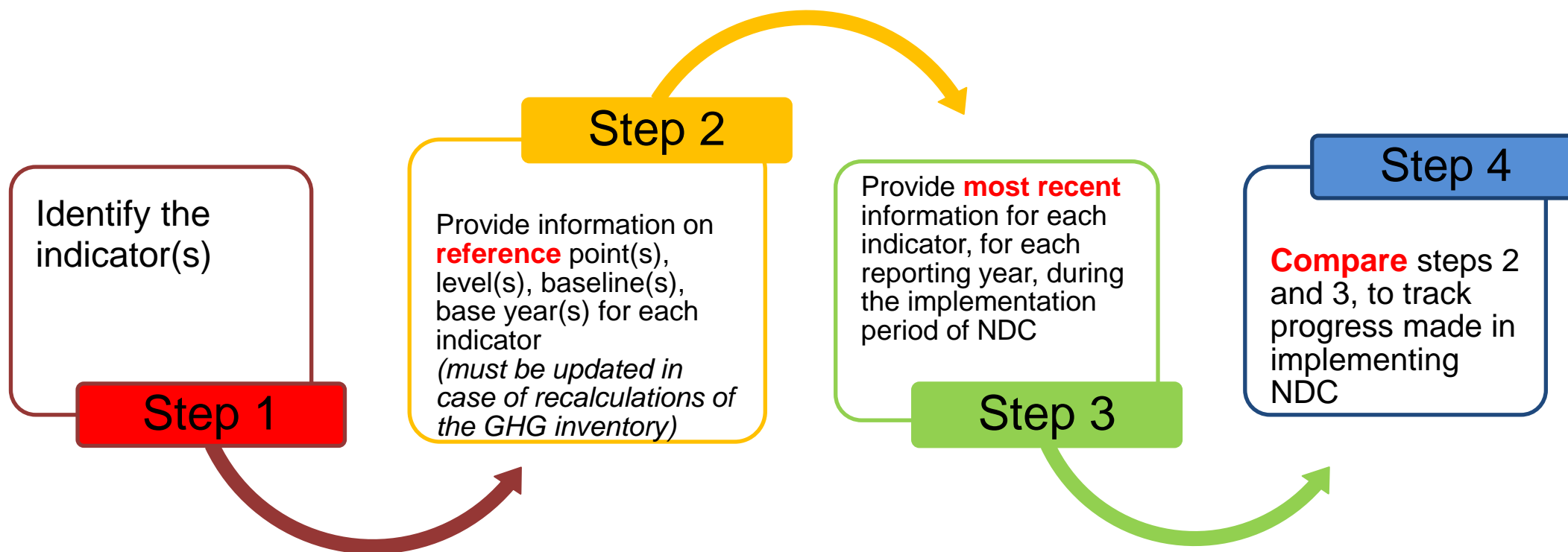
- Each Party **shall** identify **indicator(s)** (*quantitative or qualitative; relevant to the NDC*) to track progress towards implementation and achievement of its NDC
- Each Party **shall** provide:
 - the information for each selected indicator for the **reference point(s)**, level(s), baseline(s), 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, IPCC 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.



Reporting information on tracking progress of NDCs

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.



Reporting information on tracking progress of NDCs

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

STRUCTURED SUMMARY: 1. Description of selected indicators

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

Custom footnotes:

Documentation box:



Reporting information on tracking progress of NDCs

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

STRUCTURED SUMMARY: 2. Definitions needed to understand NDC

| | <i>Description</i> |
|--|--------------------|
| <i>Definition needed to understand each indicator:</i> | |
| {indicator} | |
| <i>Any sector or category defined differently than in the NIR:</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> | |
| {...} | |

Custom footnotes:

Documentation box:



Reporting information on tracking progress of 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: ^a | 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: ^c | Accounting for anthropogenic emissions and removals in accordance with methodologies and common metrics assessed by the Paris Agreement |
| 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 methodologies IPCC and (para. 1(a)) | Each methodology 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 accounting Article 13, applicable | Each methodology for the possible (If the methodology the indicator assess the describe used to generate indicator MPGs) Explain how Party is striving to include all categories of anthropogenic emissions and removals in its 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 been avoided used for ac 4/CMA.1) | If the methodology assess the describe used to generate indicator MPGs) 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 of its NDC | 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



Reporting information on tracking progress of NDCs

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



Reporting information on tracking progress of NDCs

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



Reporting information on tracking progress of NDCs

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.e. regulatory, economic instrument or other) | Status (i.e. planned, adopted or implemented) | Sectors affected [^] | Gasses affected | Start year of implementation | Implementing entity or entities | Estimates of GHG emissions reductions (kt CO ₂ 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.

[^] 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

| Sectors and activities associated with the response measures | Social and economic consequences of the response measures | Challenges in and barriers to addressing the consequences | Actions to address the consequences |
|--|---|---|-------------------------------------|
| | | | |



Reporting information on tracking progress of NDCs

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 ₂ O emissions without N ₂ O from LULUCF | | | | | | | | | | |
| N ₂ O emissions with N ₂ O 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) ⁽⁶⁾ | | | | | | | | | | |



Reporting information on tracking progress of NDCs

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.

“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 **[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



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

Reporting information on tracking progress of NDCs

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

| | Most recent year in the NIR (kt CO ₂ eq) | Projections of GHG emissions and removals (kt CO ₂ eq) | | |
|---|---|---|-----------|-----------|
| | 20XX | 20X(0)(5) | 20X(0)(5) | 20X(0)(5) |
| Sector | | | | |
| Energy | | | | |
| Transport | | | | |
| IPPU | | | | |
| Agriculture | | | | |
| LULUCF | | | | |
| Waste | | | | |
| Other (specify) | | | | |
| Gas | | | | |
| CO ₂ emissions including net CO ₂ from LULUCF | | | | |
| CO ₂ emissions excluding net CO ₂ from LULUCF | | | | |
| CH ₄ emissions including CH ₄ from LULUCF | | | | |
| CH ₄ emissions excluding CH ₄ from LULUCF | | | | |
| N ₂ O emissions including N ₂ O from LULUCF | | | | |
| N ₂ O emissions excluding N ₂ O from LULUCF | | | | |
| HFCs | | | | |
| PFCs | | | | |
| SF ₆ | | | | |
| NF ₃ | | | | |
| 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) |
| | | | | | |

