Policy and statistics: updates from COP26 in Glasgow

Side event UNSC 53 - Global Set of Climate Change Statistics and Indicators – 22 Feb. 2022
## Understanding the Paris Agreement

**Objective**
Strengthen the global response to the CLIMATE CHANGE CRISIS

<table>
<thead>
<tr>
<th>Long-term temperature goal (2°C/1.5°C)</th>
<th>Climate resilient and low emissions development</th>
<th>Financial flows</th>
</tr>
</thead>
</table>

**Action**
- Adaptation
- Mitigation

**Means of implementation**
- Finance
- Tech dev. & transfer
- Capacity-building

**Accountability**
- Transparency of action and support
- Global stocktake (ambition mechanism)
- Facilitating implementation and promoting compliance
Enhancing Ambition

Plan
NDCs under Article 4 of the Paris Agreement
Adaptation communications
Ex-ante communication on finance

Objective
Long-term temperature goal (2°C/1.5°C);
Climate-resilient and low-emissions development;
financial flows consistent with such development

Implement
1. Mitigation and adaptation actions
2. Means of implementation

Review
Enhanced transparency framework (ETF)
Compliance
Global stocktake
Paris Agreement - linking ETF, NDC and GST

Step 1
Communicate NDC

Step 2
Submit BTR to track progress. Information on:
1) GHG inventory*
2) Tracking progress towards NDC*
3) Impacts and adaptation
4) Support provided & mobilized (d’ed)
5) Support needed & received (d’ing)

Step 3
Review and FMCP

Step 4
GST

Consider outputs in GST

ETF
Every 2 years (Compliance)

Every 5 years

United Nations
Climate Change Secretariat
Architecture of the ETF

**Reporting**

*Biennial Transparency Report*
- GHG inventory *(all shall)*
- Progress in NDCs *(all shall)*
- Support provided / mobilized *(developed shall)*
- Support needed / received *(developing should)*
- Adaptation *(all should)*

**Review**

*Technical Expert Review*
- Consistency of information reported
- Consideration of progress with and achievement of NDC
- Support provided *(developed shall, and other Parties at their discretion)*
- Identification of improvements
- Identification of capacity building needs

**Consideration**

*FMCP*
- Online Q&A
- In session presentation and Q&A *(all shall)*
Benefits of Transparency

Nationally
- Access to support improved
- Capacity built
- Awareness raised
- Policy planning informed
- Political acceptance gained

Internationally
- Trust built
- Support prioritized
- International obligations met
- Ambition enhancement supported

Internationally obligations met
Fundamentals of the ETF

- Building on and enhancement
- Continuous improvement
- Different starting points

- Flexibility
- Support
Building Transparency

- 1992: UNFCCC Kyoto Protocol
- 1997: Kyoto Protocol
- 2001: Marrakech Accords
- 2005-2007: Initial reviews of KP launched
- 2009: REDD+ MRV launched
- 2010: Cancun Agreements
- 2014: IAR launched
- 2015: PARIS Agreement
- 2015: ICA launched
- 2016-2018: True up period review of KP launched
- 2018: Katowice Rulebook
- 2018-2021: Negotiations on transparency methodological issues
- 2021: Glasgow
Transparency (ETF) from Paris to Glasgow

**Article 13 of PA defined the ETF of action and support**

- Modalities, procedures and guidelines (MPGs) for ETF – what to report?

- Guidance for operationalizing the MPGs for ETF – how to report?
Key outcomes on ETF

Finalized discussions on the MPGs for ETF (decision 5/CMA.3) and adoption of:

- Common reporting tables (CRT) for reporting the GHG inventories
- Common tabular formats (CTF1) for tracking progress in implementing NDCs
- Common tabular formats (CTF2) for FTC support provided and mobilized
- Outlines of the Biennial Transparency Report (BTR) & national inventory document (NID)
- Training programme for technical experts participating in reviews

First BTRs are due by 31 December 2024 (poss. earlier)
## Table 2(i) Sectoral Report for Industrial Processes and Product Use

### Greenhouse Gas Source and Sink Categories

<table>
<thead>
<tr>
<th>CO₂</th>
<th>CH₄</th>
<th>N₂O</th>
<th>HFCs (1)</th>
<th>PFCs (1)</th>
<th>Unspecified mix of HFCs and PFCs (2)</th>
<th>SF₆</th>
<th>NF₃</th>
<th>NOₓ</th>
<th>CO</th>
<th>NMVOC</th>
<th>SO₂</th>
<th>Total GHG emissions (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(kt)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2. Total industrial processes

#### 2.A. Mineral industry

- 2.4.1. Cement production
- 2.4.2. Lime production
- 2.4.3. Glass production
- 2.4.4. Other processes using carbonates

#### 2.B. Chemical industry

- 2.6.1. Ammonia production
- 2.6.2. Nitric acid production
- 2.6.3. Adipic acid production
- 2.6.4. Caprolactam, glycolal and glyoxalic acid production
- 2.6.5. Carbide production
- 2.6.6. Titanium dioxide production
- 2.6.7. Soda ash production
- 2.6.8. Petrochemical and carbon black production
- 2.6.9. Fluorochromic production
- 2.6.10. Other

#### 2.C. Metal industry

- 2.6.1. Iron and steel production

---

## Table 3.i Sectoral Background Data for Agriculture

### Greenhouse Gas Source and Sink Categories

<table>
<thead>
<tr>
<th>CO₂</th>
<th>CH₄</th>
<th>N₂O</th>
<th>HFCs (1)</th>
<th>PFCs (1)</th>
<th>Unspecified mix of HFCs and PFCs (2)</th>
<th>SF₆</th>
<th>NF₃</th>
<th>NOₓ</th>
<th>CO</th>
<th>NMVOC</th>
<th>SO₂</th>
<th>Total GHG emissions (3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(kt)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 3. Agricultural sector

#### 3.A. Cattle

- **Option A**: Dairy cattle
- **Option B**: Non-dairy cattle

#### 3.B. Sheep

- **Option A**: Per (please specify)

---

### Notes:

1. GHG inventory reporting standards and methodologies may vary between countries.
2. Data entry should follow national guidelines and standards for accurate reporting.
3. Total GHG emissions are calculated based on the sum of all relevant categories.
### CTF for tracking progress in implementing NDCs

4. Structured summary: Tracking progress made in implementing and achieving the NDC under Article 4 of the Paris Agreement

<table>
<thead>
<tr>
<th>Indicator(s) selected to track progress of the NDC or portion of NDC under Article 4 of the Paris Agreement (pars. 65 and 77(a) of the MPGs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Parties can add rows for each additional indicator and supporting information for each indicator, e.g. baseline values, baseline for the portion of NDC, target values, mitigation effects of policies and measures, etc.)</td>
</tr>
<tr>
<td>Where applicable, total GHG emissions and removals consistent with the coverage of the NDC (para. 77(b) of the MPGs)</td>
</tr>
<tr>
<td>Contribution from the LULUCF sector for each year of the target period or target year, if not included in the inventory time series of total net GHG emissions and removals, as applicable (para. 77(c) of the MPGs)</td>
</tr>
<tr>
<td>Each Party that participates in cooperative approaches that involve the use of ITMOs towards an NDC under Article 4 of the Paris Agreement, or determines the use of mitigation outcomes for international mitigation purposes other than achievement of the NDC, shall provide (para. 77(d) of the MPGs):</td>
</tr>
<tr>
<td>If applicable, an indicative multi-year emissions trajectory, trajectories or budget for its NDC implementation period (para. 77(e) of the MPGs)</td>
</tr>
</tbody>
</table>

#### 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.

<table>
<thead>
<tr>
<th>Indicator(s) selected to track progress of the NDC or portion of NDC under Article 4 of the Paris Agreement (pars. 65 and 77(a) of the MPGs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information for the reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate</td>
</tr>
<tr>
<td>Updates in accordance with any recalculation of the GHG inventory, as appropriate</td>
</tr>
<tr>
<td>Relation to NDC</td>
</tr>
</tbody>
</table>

---

CTF: Climate Tracking Framework
NDC: Nationally Determined Contribution
MPGs: Munich Policy Group
Tracking progress in implementing and achieving NDCs

**Party communicates NDC**
- NDC is self-determined; Party to provide ICTU (mandatory as of NDC2) to describe NDC

**Implements NDC**
- Party implements its NDC (e.g. develops necessary policies, collects data, tracks its progress)

**Reports on its tracking in BTR**
- Reports the information contained in paras. 59-103 of the MPGs, as appropriate to its NDC, on a biennial basis
- BTR is subject to review and FMCP
1. Identify the indicator(s)

2. Provide information for each identified indicator for:
   - reference point(s),
   - level(s),
   - baseline(s),
   - base year(s)
   - starting point(s)

3. Provide most recent info for each identified indicator for:
   - each reporting year during the implementation period of its NDC

4. Compare steps 2 and 3 to track progress made
Examples of indicators for tracking progress

**GHG emissions and removals related**

- Net GHG emissions and removals
- Percentage reduction of GHG intensity
- Relevant qualitative indicators for a specific policy or measure
- Mitigation co-benefits of adaptation actions and/or economic diversification plans

**Other**

- Hectares of reforestation
- Percentage of renewable energy use or production
- Carbon neutrality
- Non-GHG related indicators
Cooperation with UNSD
Increased cooperation UNFCCC - UNSD

- Active participation and joint reports to Statistical Commission
- 49th Statistical Commission mandated UNSD and UNFCCC to strengthen the link between statistics and policy and promote collaboration between NSOs and national authorities responsible for climate change reporting to UNFCCC

- **Global Set of Climate Change Statistics and Indicators**

- Joint events and participation to UNFCCC or UNSD events (EGES; Consultative Group of Experts regional events; regional UNSD workshops; stakeholders dialogues; side-events; online expert sessions; webinars; etc.)