

ETF Reporting Tools (Test Version)

Showcasing ETF PROGRESS Reporting Tool

**First Cross Regional Technical Workshop of the
Lusophone and Francophone Network**

on

*NDC Tracking for mitigation, adaptation and means of
implementation*

Istanbul, Türkiye– 17-20 Oct 2023



Lonava Tahreen, Transparency Division

United Nations
Climate Change Secretariat

Background

- Reporting requirements under the Paris Agreement
- Scope of the test version
- Development of the ETF Reporting Tools

Training with exercise

- Creating a version and specifying version settings
- Data Entry (Manual data entry, Excel export/import)
- Generation of reporting tables
- Work offline



Background



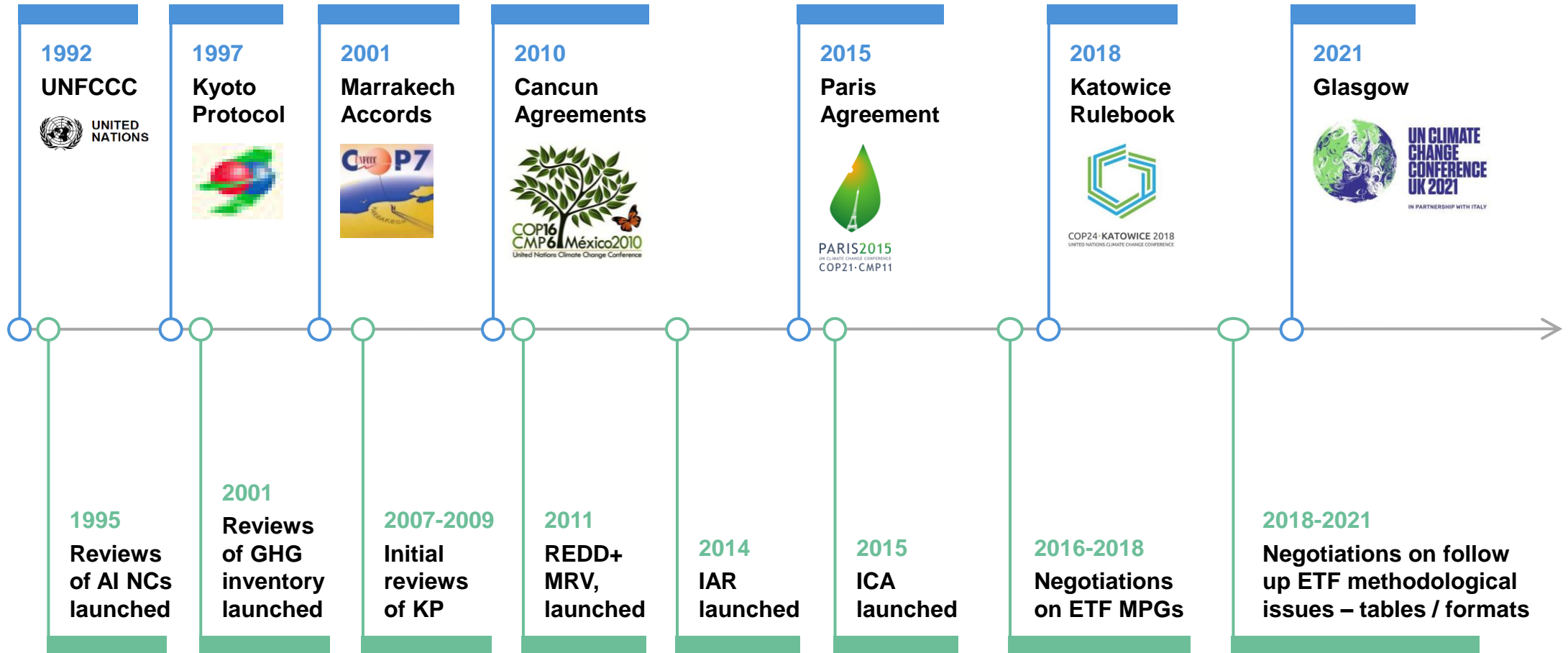
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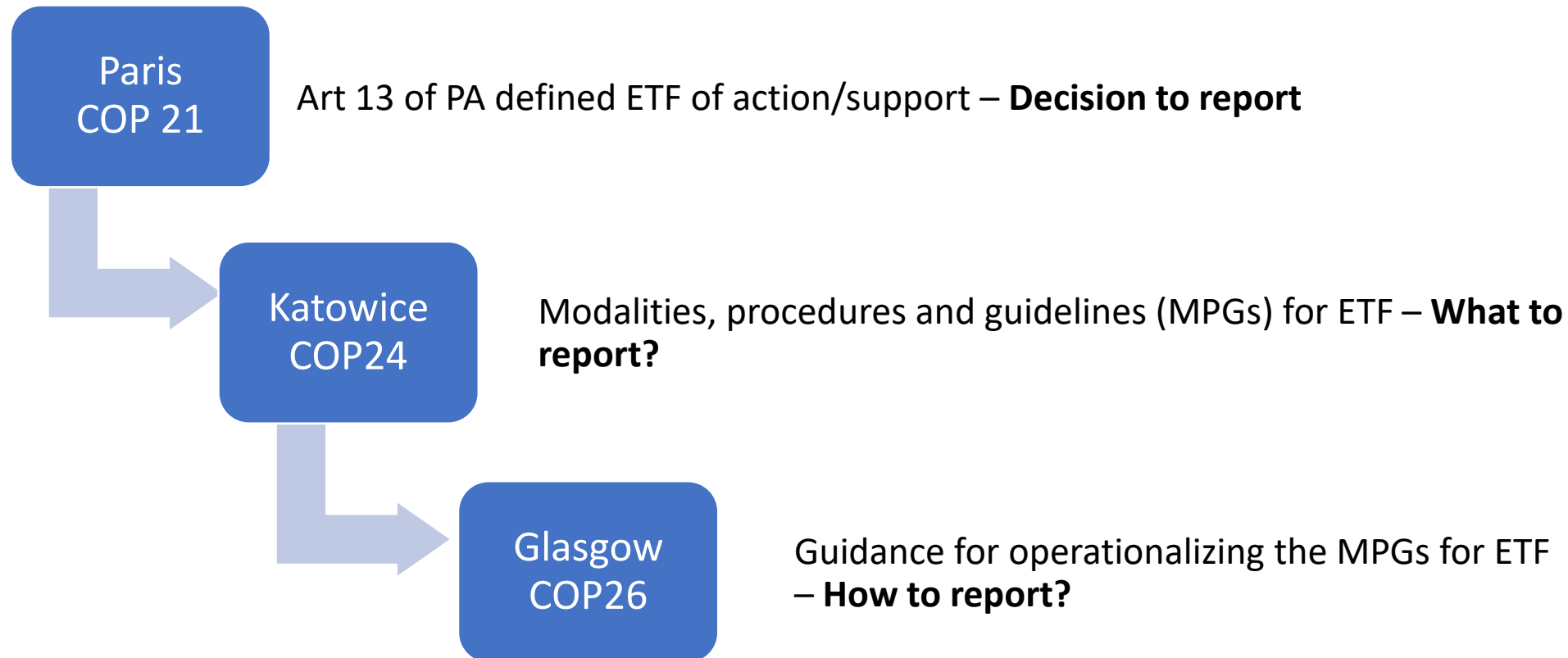


Building on Experience

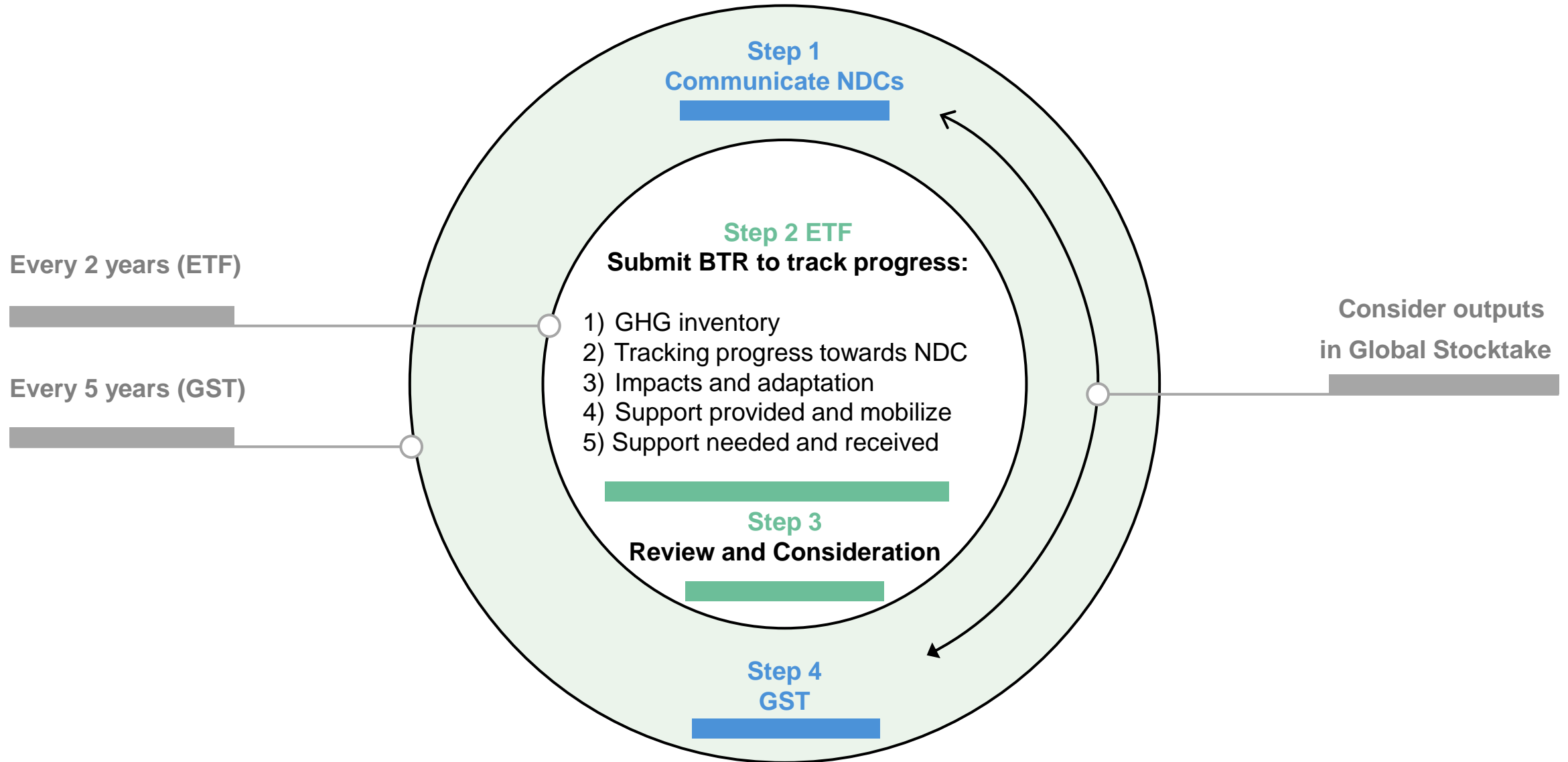


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Paris Agreement – Linking NDCs, ETF and GST





Plan

NDCs under Article 4 of the Paris Agreement

Adaptation communications

Ex-ante communication on finance

Implement

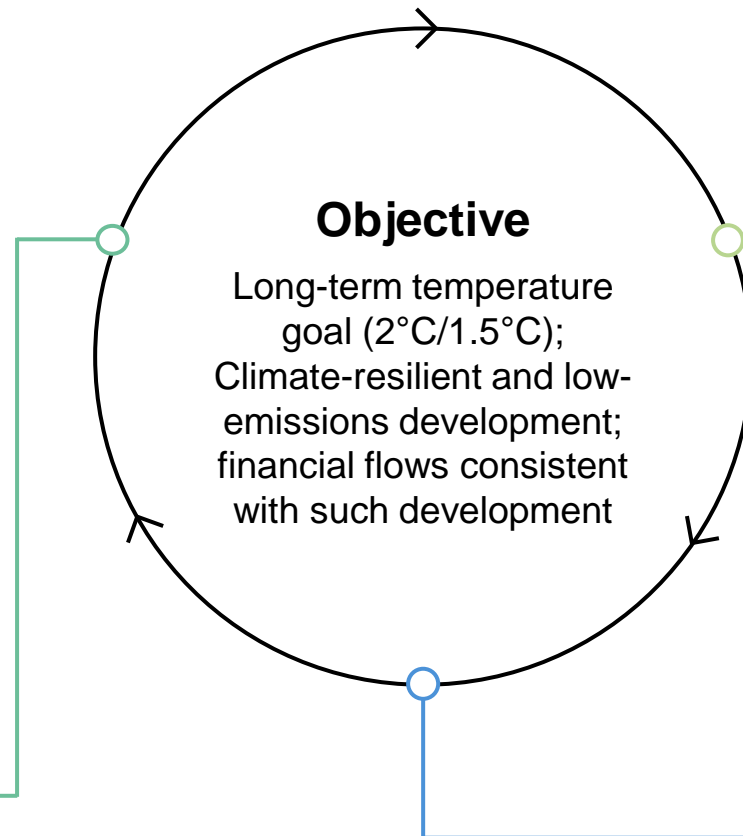
1. Mitigation and adaptation actions
2. Means of implementation

Review

Enhanced transparency framework

Compliance

Global stocktake





Reporting under the Paris Agreement



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Article 13 of the Paris Agreement

ETF- Progress(CTF NDC) Reporting

Each Party shall provide information necessary to track progress made in implementing and achieving nationally determined contributions under Article 13 of the Paris Agreement

Decision 5/CMA.3

The **common tabular formats** referred to in **chapter II of the annex to decision 18/CMA.1** for the electronic reporting of the information necessary to track progress made in implementing and achieving nationally determined contributions under Article 13 of the Paris Agreement

Requested SBSTA to develop, pursuant to the MPGs:

- **common reporting tables (CRT)** for the electronic reporting of info on **GHG emissions**
- **common tabular formats (CTFs)** for the electronic reporting of info on **tracking progress in achieving NDCs** and of info on **financial, technology development/transfer and capacity-building (FTC) support**

Decision 18/CMA.1

Adopted:

- **CRT** for the electronic reporting of the info in the national inventory reports of **GHG emissions**
- **CTF** for the electronic reporting of the info on **tracking progress in achieving NDCs**
- **CTF** for the electronic reporting of the info on **FTC support**

Decision 5/CMA.3

Requested the secretariat to:

- Develop the **reporting tools**, taking into account the **flexibility** provisions
- Make available a **test version by June 2023** and a **final version of the tools by June 2024** (*timely availability of sufficient financial resources*)
- **Inform Parties** on the progress at SBSTA sessions
- Organize **regular technical training workshops**
- **Prepare a report** on how the inputs of Parties on the test version have been considered
- Facilitate **interoperability** with the **IPCC inventory software** and invite IPCC to engage in the work incl. by completing a **mapping exercise** between 2006 IPCC GLs and CRT
- Establish an **interactive web portal by Dec. 2025** to facilitate the availability of FTC support info

Decision 5/CMA.3

Key outcomes on ETF at COP 26 (Glasgow) in 2021

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

Reporting
tools

First BTRs are due by 31 December 2024

CRT for Reporting GHG Inventories



TABLE 2(I) SECTORAL REPORT FOR INDUSTRIAL PROCESSES AND PRODUCT USE

(Sheet 1 of 1)

Year
Submission
Country

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GREENHOUSE GAS SOURCE AND SINK CATEGORY	CO ₂	CH ₄	N ₂ O	HFCs ⁽¹⁾	PFCs ⁽¹⁾	Unspecifie d mix of HFCs and PFCs ⁽¹⁾	SF ₆	NF ₃	NO _x	CO	NM VOC	SO _x	Total GHG emissions ⁽²⁾
	(kt)			CO ₂ equivalent (kt) ⁽³⁾			(kt)						CO ₂ equivalents (kt) ⁽³⁾
2. Total industrial processes													
2.A. Mineral industry													
2.A.1. Cement production													
2.A.2. Lime production													
2.A.3. Glass production													
2.A.4. Other process uses of carbonates													
2.B. Chemical industry													
2.B.1. Ammonia production													
2.B.2. Nitric acid production													
2.B.3. Adipic acid production													
2.B.4. Caprolactam, glyoxal and glyoxylic acid production													
2.B.5. Carbide production													
2.B.6. Titanium dioxide production													
2.B.7. Soda ash production													
2.B.8. Petrochemical and carbon black production													
2.B.9. Fluorochemical production													
2.B.10. Other													
2.C. Metal industry													
2.C.1. Iron and steel production													

► ... Table1.B.1 Table1.B.2 Table1.C Table1.D **Table2(I)** Table2(I).A-H

TABLE 3.A SECTORAL BACKGROUND DATA FOR AGRICULTURE

Enteric Fermentation

(Sheet 1 of 1)

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Year
Submission
Country

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	ACTIVITY DATA AND OTHER RELATED INFORMATION			IMPLIED EMISSION FACTORS	EMISSIONS
	Population size ⁽¹⁾ (1000s)	Average gross energy intake (GE) (MJ/head/day)	Average CH ₄ conversion rate (Y _m) ⁽²⁾ (%)	CH ₄ (kg CH ₄ /head/yr)	CH ₄ (kt)
3.A.1. Cattle					
<i>Option A:</i>					
3.A.1.a. Dairy cattle					
3.A.1.b. Non-dairy cattle					
<i>Option B (country-specific):⁽³⁾</i>					
3.A.1.a. Other					
<i>Drop-down list:</i>					
3.A.1.a.i. Mature dairy cattle					
3.A.1.a.ii. Other mature cattle					
3.A.1.a.iii. Growing cattle					
3.A.1.a.iv. Other (please specify)					
3.A.2. Sheep					
3.A.2.a. Other (please specify)					
3.A.3. Swine					
3.A.3.a. Other (please specify)					

► ... Table1.B.1 Table1.B.2 Table1.C Table1.D Table2(I) Table2(I).A-H Table2(II) Table2(II).B-Hs1 Table2(II).B-Hs2 Tab

CTF for Tracking Progress in Implementing NDCs



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 a nationally determined contribution under Article 4 of the Paris Agreement^{a, b}

Name ^c	Description ^{d, e, f}	Objectives	Type of instrument ^g	Status ^h	Sector(s) affected ⁱ	Gases affected	Start year of implementation	Implementing entity or entities	Estimates of GHG emission reductions (kt CO ₂ eq) ^k	
									Achieved	Expected

^a Each Party shall provide information on actions, policies and measures that support the implementation and achievement of its NDC under Article 4 of the Paris Agreement, focusing on those that have the most significant impact on GHG emissions or removals and those impacting key categories in the national GHG inventory. This information shall be presented in narrative and tabular format (para. 80 of the MPGs).

^b For each Party with an NDC under Article 4 of the Paris Agreement that consists of mitigation co-benefits resulting from Parties' adaptation actions and/or economic diversification plans consistent with Article 4, para. 7, information to be reported under paras. 80, 82 and 83 of the MPGs includes relevant information on policies and measures contributing to mitigation co-benefits resulting from adaptation actions or economic diversification plans (para. 84 of the MPGs).

^c Parties may indicate whether a measure is included in the 'with measures' projections.

^d Additional information may also be provided on the cost of the mitigation actions, non-GHG mitigation benefits, and how the mitigation action interacts with other mitigation actions, as appropriate (para. 83(a-c) of the MPGs).

^e Parties should identify actions, policies and measures that influence GHG emissions from international transport (para. 88 of the MPGs).

^f Parties should, to the extent possible, provide information about how actions, policies and measures are modifying longer-term trends in GHG emissions and removals (para. 89 of the MPGs).

^g Parties shall, to the extent possible, provide information on the types of instrument: regulatory, economic instrument or other (para. 82(d) of the MPGs).

^h Parties shall, to the extent possible, use the following descriptive terms to report on status of implementation: planned, adopted or implemented (para. 82(e) of the MPGs).

ⁱ Parties shall, to the extent possible, provide information on sector(s) affected: energy, transport, industrial processes and product use, agriculture, LULUCF, waste management or other (para. 81 and 82(f) of the MPGs).

^j Each Party shall provide, to the extent possible, information on the types of instrument: regulatory, economic instrument or other (para. 82(d) of the MPGs).

^k To the extent available, and where appropriate, Parties should provide information on the types of instrument: regulatory, economic instrument or other (para. 82(d) of the MPGs).

Custom footnotes:

Documentation box:

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

Indicator(s) selected to track progress of the NDC or portion of NDC under Article 4 of the Paris Agreement (paras. 65 and 77(a) of the MPGs):	Reference point(s), level(s), baseline(s), base year(s) or starting point(s), as appropriate (paras. 67 and 77(a)(i) of the MPGs)	Unit, as applicable	Implementation period of the NDC covering information for previous reporting years, as applicable, and the most recent year, including the end year or end of period (paras. 68 and 77(a)(ii-iii) of the MPGs)						Target level ^b	Target year or period	Progress made towards the NDC, as determined by comparing the most recent information for each selected indicator, including for the end year or end of period, with the reference point(s), level(s), baseline(s), base year(s) or starting point(s) (paras. 69-70 of the MPGs)
			Year 1	Year 2	End year			
{Indicator}											
{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.}											
Where applicable, total GHG emissions and removals consistent with the coverage of the NDC (para. 77(b) of the MPGs)											
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)											
Each Party that participates in cooperative approaches that involve the use of ITMOs towards an NDC under Article 4 of the Paris Agreement, or authorizes the use of mitigation outcomes for international mitigation purposes other than achievement of the NDC, shall provide (para. 77(d) of the MPGs):											
If applicable, an indicative multi-year emissions trajectory, trajectories or budget for its NDC implementation period (para. 77(e) of the MPGs)											

8. Information on projections of greenhouse gas emissions and removals under a 'with additional measures' scenario^{a, b}

Sector ^d	Most recent year in the Party's national inventory report (kt CO ₂ eq) ^f	Projections of GHG emissions and removals (kt CO ₂ eq) ^e		
	20XX	20X(0)(5)	20X(10)(5)	20X(15)(5)
Energy				
Transport				
Industrial processes and product use				
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				

CF

Projections pursuant to paras. 93-101 of the MPGs; those developing country Parties that need flexibility are instead encouraged to report such projections (para. 92 of the MPGs). Country Parties that need flexibility in the light of their capacities with respect paras. 93-101 of the MPGs can detailed methodology or coverage (para. 102 of the MPGs). Information from the most recent year in the Party's national report and extend at least 15 years beyond the next year for developing country Parties that need flexibility in the light of their capacities with respect to this flexibility to instead extend their projections at least to the end point of their NDC under Article 4 of the Paris Agreement (para. 82(f) of the MPGs).

CTF for FTC Support Provided and Mobilized



Table III.2
Information on financial support provided under Article 9 of the Paris Agreement in year 2XXX-3:^{a, b, c} multilateral channels

Exchange rate used: _____

Institution ^f	Amount ^{c, d}										Recipient, ^{c, e, g}	Title of the project, program, activity or other ^{c, e, g, h}	Status ^e	Channel ^f
	Inflows ^{c, e}					Outflows ^{c, e}								
	Core/general ^{c, e, f}				Climate-specific ^e		Climate-specific ^e							
	Face value		Grant equivalent		Face value		Grant equivalent		Face value					
Domestic currency	USD	Domestic currency	USD	Domestic currency	USD	Domestic currency	USD	Domestic currency	USD	Domestic currency	USD	Country	Disbursed	Multilateral
Adaptation Fund												Region ^j	Committed	Multi-
African Development Bank														
Asian Development Bank														
Capacity-building Initiative for Transparency														
Climate Technology Centre and Network														
European Bank for Reconstruction and Development														
Global Environment Facility														
Green Climate Fund														
Inter-American Development Bank														
International Finance Corporation														
Least Developed Country Fund														

Table III.7
Information on financial support received by developing country Parties under Article 9 of the Paris Agreement^{a, b}

Exchange rate used: _____

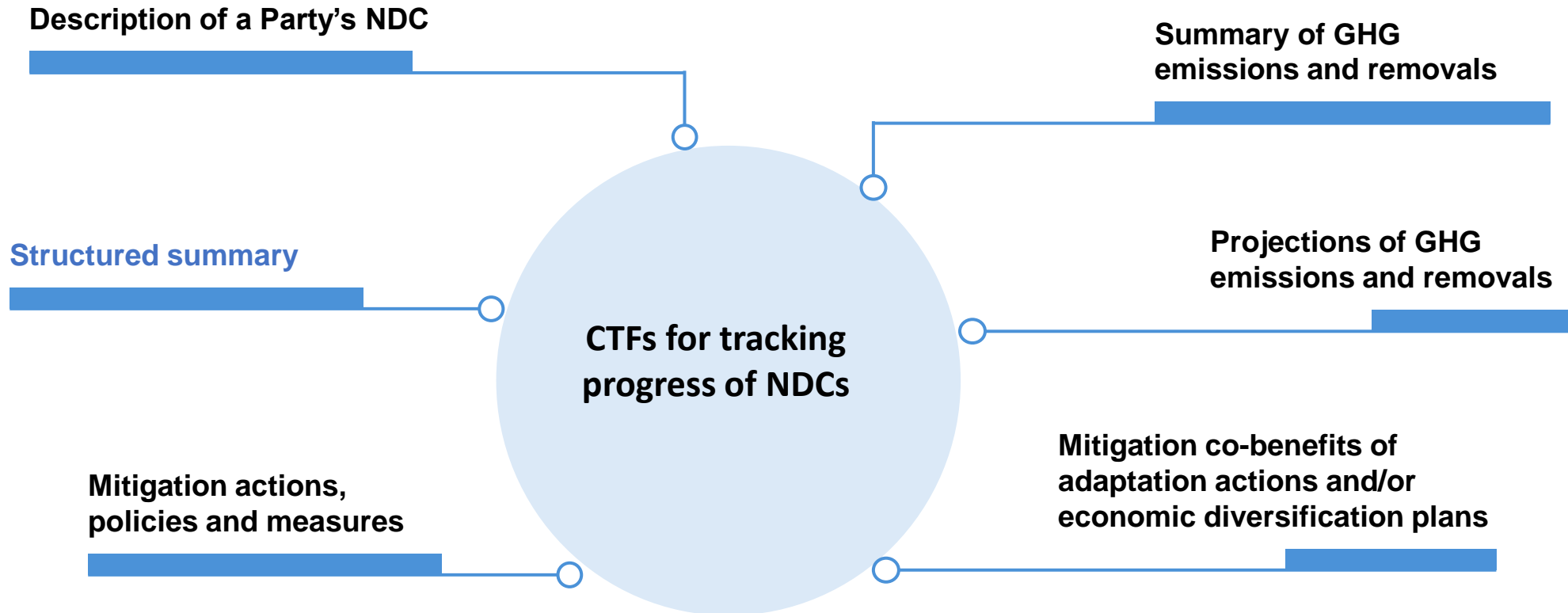
Title of activity, programme, project or other ^{c, d}	Programme/ project description ^c	Channel ^e	Recipient entity ^c	Implementing entity ^c	Amount received (climate-specific) ^c		Time frame ^c	Financial instrument ^e	Status ^c	Type of support ^e	Sector ^c
					Domestic currency	USD					
		Multilateral						Grant	Committed	Adaptation	Energy
		Bilateral						Concessional loan	Received	Mitigation	Transport
		Regional						Non-concessional loan		Cross-cutting ^e	Industry
		Other (specify) ^d						Equity			Forestry
								Guarantee			Water and sanitation
								Insurance			Cross-cutting
								Other (specify) ^d			Other (specify) ^d

Notation keys: NA = not applicable; UA = information not available at the time of reporting. NR = not reported (to indicate the voluntary character of the support)

CTFs for electronic reporting of information to track progress



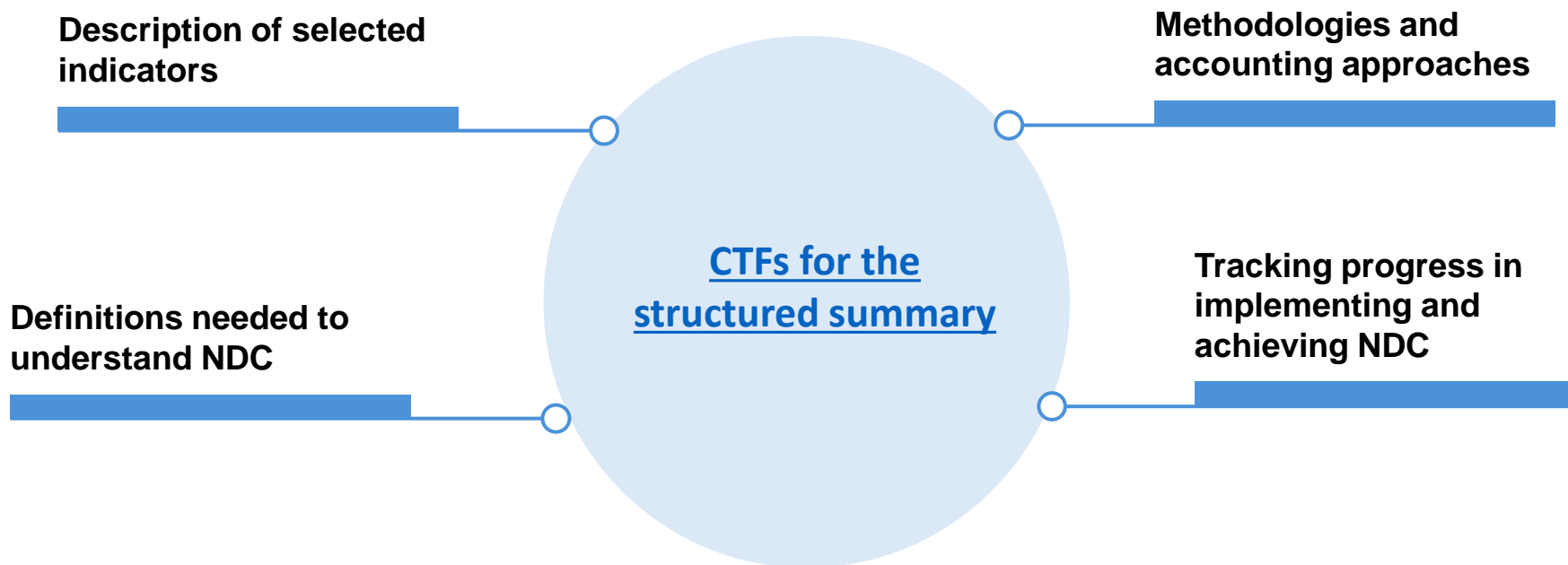
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CTFs for electronic reporting of information to track progress



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Tracking Progress in Implementing NDCs



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Party communicates NDC

- NDC is self-determined; Party to provide ICTU (information to facilitate clarity, transparency and understanding) to describe its 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 on its progress, on a biennial basis in BTR
- BTR is subject to review and multilateral consideration



- **Building on and enhancing** the transparency arrangements
- Recognizing the importance **of facilitating improved reporting and transparency** over time
- Providing **flexibility** to those developing country Parties that need it in the light of their capacities
- Promoting **transparency, accuracy, completeness, consistency and comparability;**
- Avoiding **duplication of work** and undue burden on Parties and the secretariat;
- Maintain **the frequency and quality of reporting in accordance** with respective obligations under the Convention
- Ensure **double counting is avoided;**
- Ensuring **environmental integrity**



Information necessary to track progress made in implementing and achieving NDCs under Art. 4 of the Paris Agreement

A- National circumstances and institutional arrangements

B - Description of a Party's NDC under Art. 4, including updates

C - Information necessary to track progress made in implementing and achieving its NDC under Art. 4

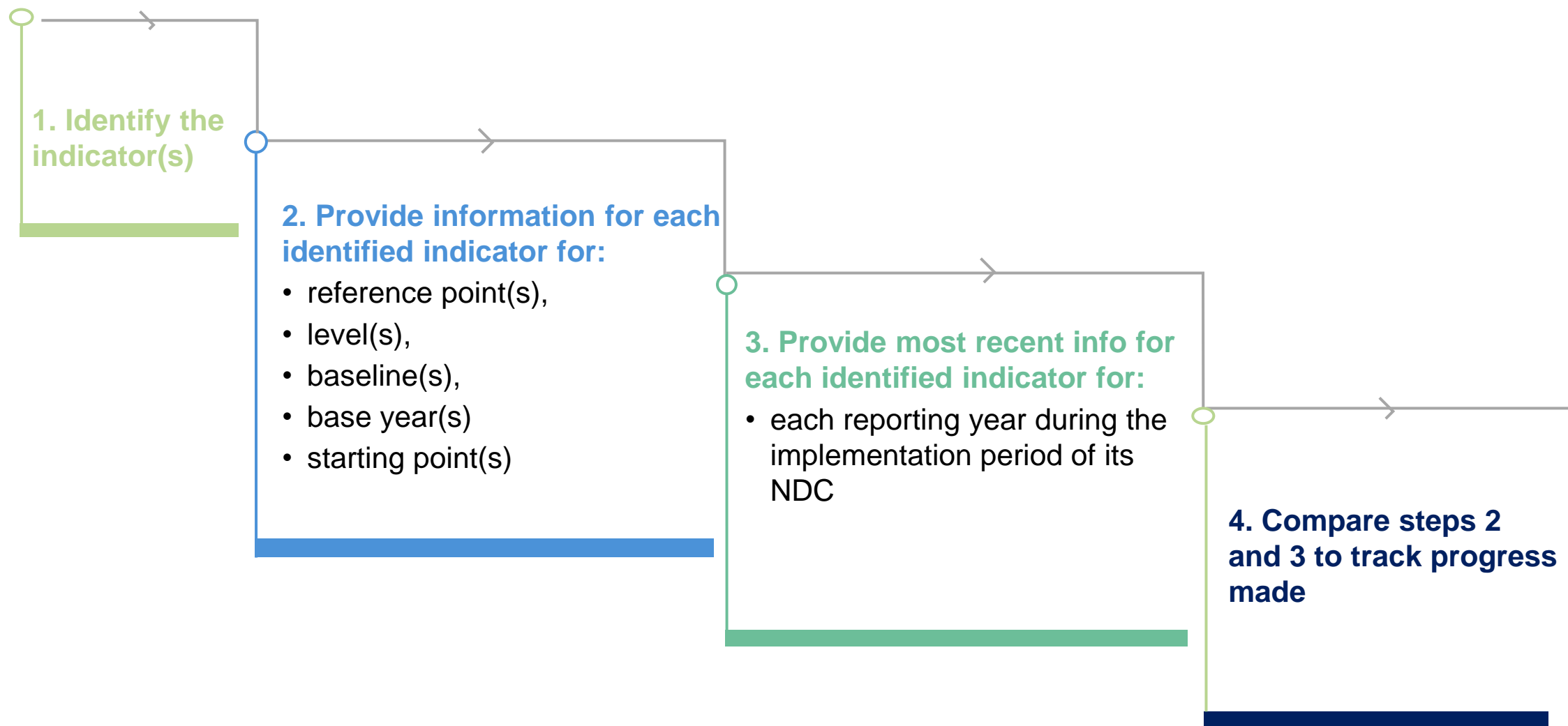
D - Mitigation policies and measures, actions and plans, including those with mitigation co-benefits resulting from adaptation actions and economic diversification plans, related to implementing and achieving a nationally determined contribution under Art. 4

E - Summary of GHG emissions and removals

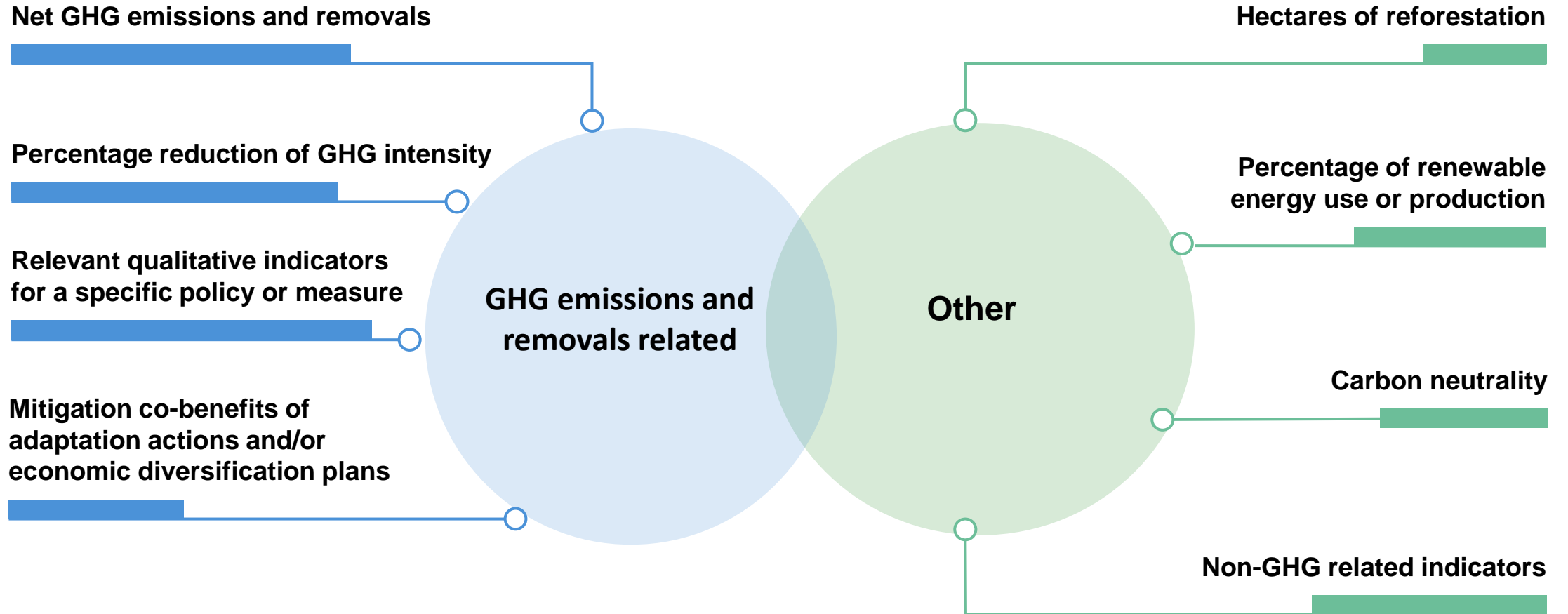
F - Projections of GHG emissions and removals, as applicable

G- Other information

Indicators for Tracking Progress in Implementing NDCs



Examples of Indicators for Tracking Progress



Implementation Approach - IT Project



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- Parties **submit the mandatory information and data in the formats agreed** - comprehensive analysis, comparison, and assessment of progress - **feed info into the GST and NDC cycles**
- Complex IT project covering the development of **3 new reporting tools** using a common framework:
 - **ETF GHG Inventory Reporting Tool** = CRT (Common Reporting Tables for GHG emissions)
 - **ETF Progress Reporting Tool** = CTF NDC (Common Tabular Format for tracking progress in achieving NDC)
 - **ETF Support Reporting Tool** = CTF FTC (Common Tabular Format on finance, tech. and CB support)
- UNFCCC institutional **knowledge and experience** (CRF Reporter, BR CTF, etc.) & **Parties/experts views**
- New tools require **additional skills, expertise and coordination**, apart from solving countless technical aspects
- **Complexity:**
 - All Parties, incl. ~150 developing countries; 3,000+ users
 - Online/offline; flexibility provisions
 - Interoperability with IPCC software
 - Timing & Funding

ETF reporting tools - meeting all requirements from Parties - advanced functionalities & a compliance platform working in both developed and developing countries **by building on:**

- **Totally new technical framework** designed for reliability, security, and durability
- **Open standards and open-source technologies** viable on long-term like HTML, JavaScript and .NET.
- **Native Azure cloud platform** providing enterprise grade information security, scalability, and resiliency
- Intuitive, accessible, discoverable **User Interface design** using UN Disability Inclusion Strategy
- Progressive web apps (PWAs) **working in offline mode** (operate in absence of an internet connection) and automatically synchronise data when connection is restored
- Real-time collaborative editing - **multiple users within a Party can work concurrently** on the same submission and see live changes to the data

Elevated level of complexity - dependencies among the modular building blocks

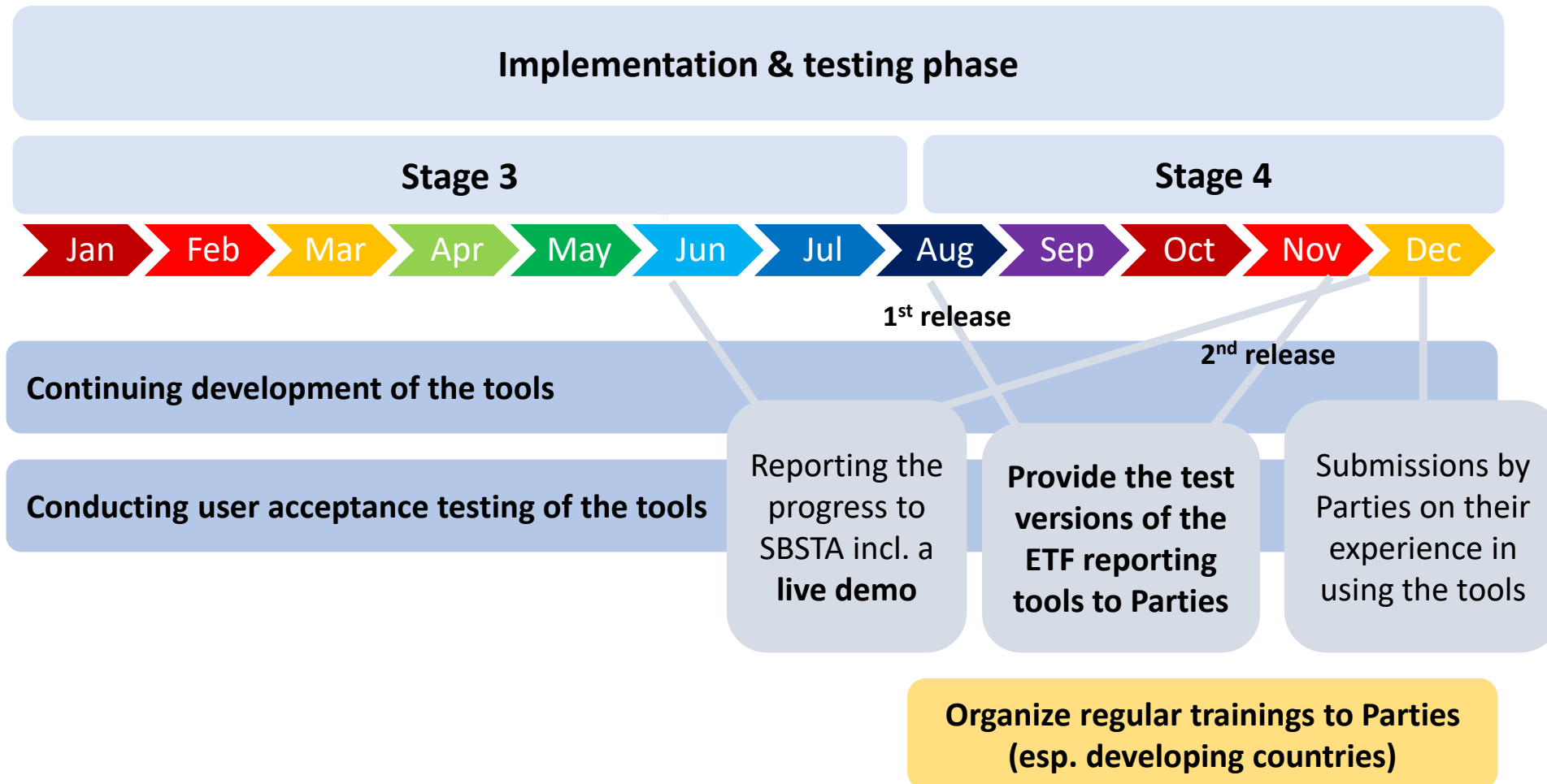
IT architecture - **interconnected and inter-dependent technical engines:**

- **Rendering engine**: render and input data, providing an accessible, user friendly, streamlined interface
- **Validation engine**: validation services (defined by metadata) in browser and server-side
- **Calculation engine**: data calculation services (defined by metadata) in browser and server-side
- **Metadata engine**: dynamically structure and validate data following a metadata schema (CMA decisions)
- **Import/export engine**: import/export data drafts across client and server, including a compatibility layer with the IPCC Inventory software
- **Reporting engine**: generate the agreed reporting tables in Excel based on the data entered
- **Storage engine**: offline structured storage for applications using browser Web Storage facilities

User management and authentication **reuse standard UNFCCC services**

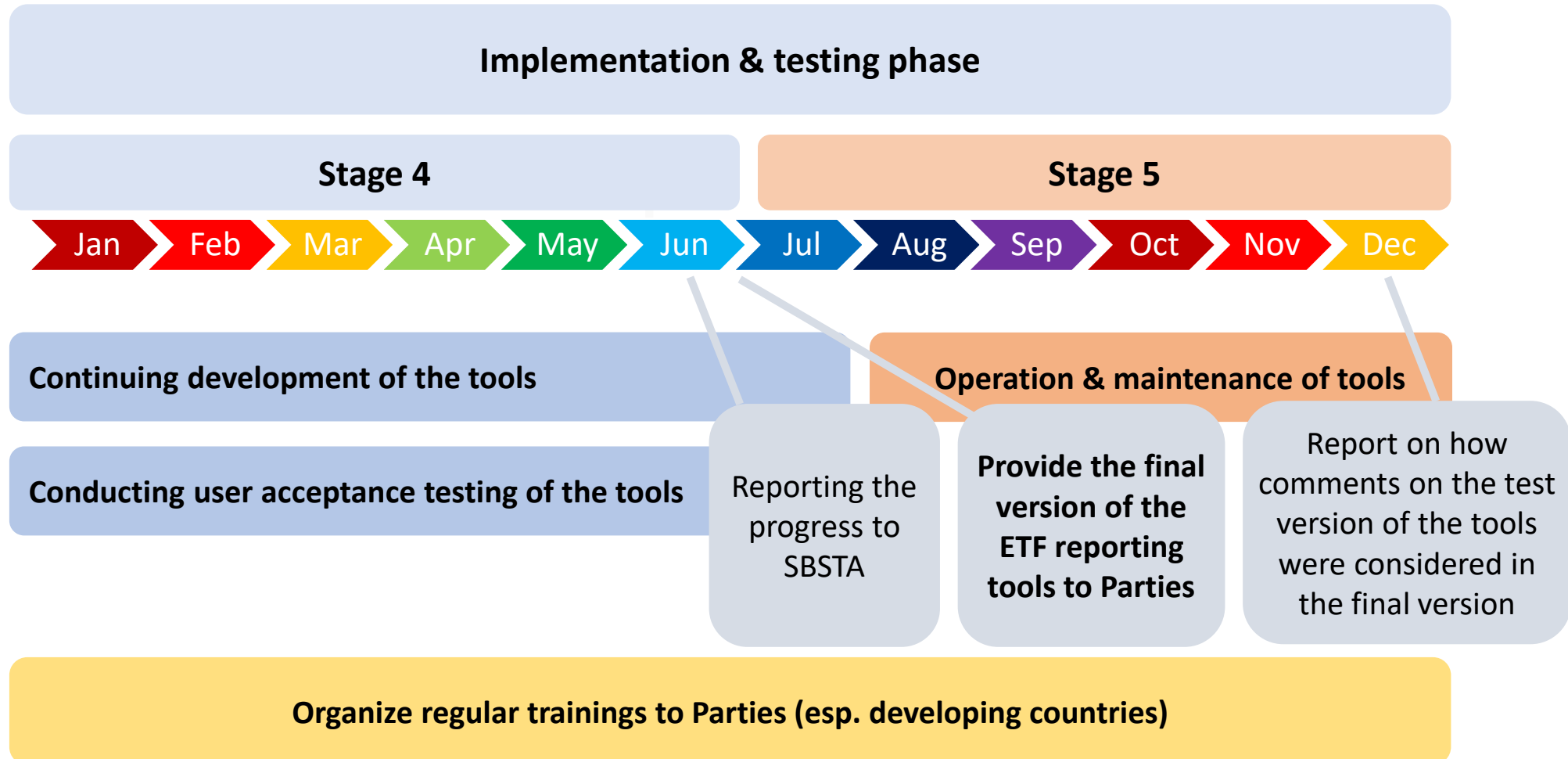


2023





2024



Scope of the Test version of the new ETF reporting tools



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GHG Inventory:

- Energy sector – all tables (12)
- Waste sector – all tables (5)
- Interoperability with IPCC Inventory Software

ETF Progress:

- Mitigation policies and measures, actions and plans – Table 5
- Information on projections of greenhouse gas emissions and removals:
 - Table 7 (with measures)
 - Table 8 (with additional measures)
 - Table 9 (without measures)
- Key underlying assumptions and parameters used for projections – Table 11

ETF Support:

- Financial support mobilized through public interventions – Table III.3
- Support needed: Financial – Table III.6
- Support received: Financial – Table III.7

Hands-on Training



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- The test version is for Parties to try the tools and provide feedback (via submission portal) to the secretariat.
- Please **DO NOT** initiate work on an official submission with the current test version of the ETF Reporting tool as there could be data losses due to multiple releases and version deployments



1. For this training session, **access is provided** for the test version of the Reporting tool.
2. The secretariat will demonstrate the features of the Progress Reporting tool. During the demonstration, please refrain from using the tool.
3. Please start working on the exercise only when you are asked to do so. Sufficient time will be allotted to perform exercises.
4. Please feel free to ask questions while performing the exercises.





This icon denotes that the box contains useful information.



This icon signifies that there will be a hands-on exercise on a particular feature of the GHG Inventory Reporting Tool. Each exercise is associated with a number. e.g., **E1**



The slide with this icon is for information. The particular feature will be demonstrated during the training, but there will not be any corresponding exercise.

Overview



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Exercises



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Exercise 1: Create new version, specify version settings

Exercise 2: View and access all versions created

Exercise 3: View and move through navigation tree and grids

Exercise 4: Add, modify data

Exercise 5: Export import functions

Exercise 6: Generate/Download reporting tables

Exercise 7: Work offline



ETF Reporting Tools login



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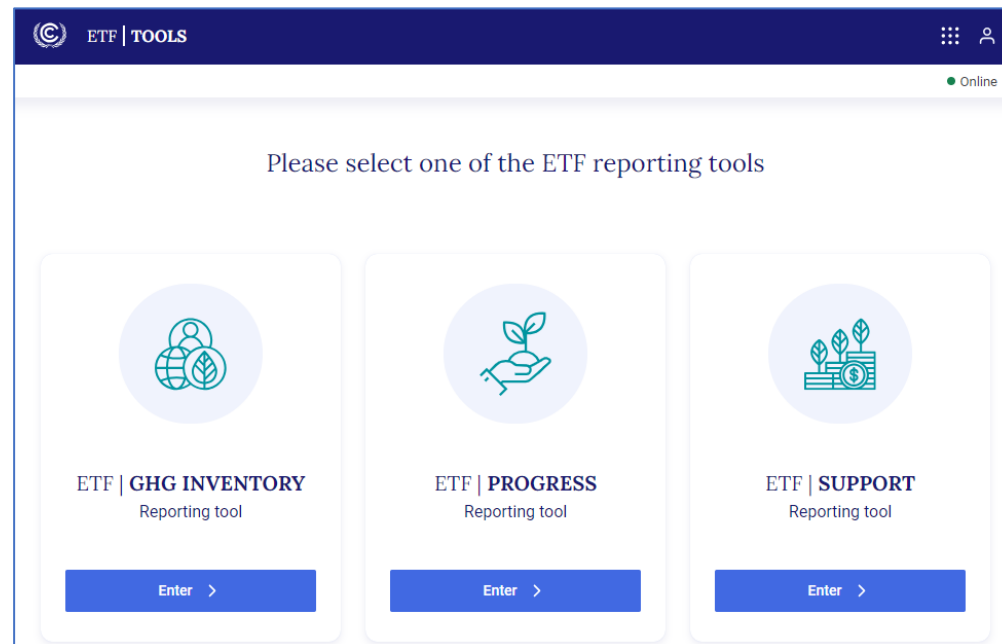
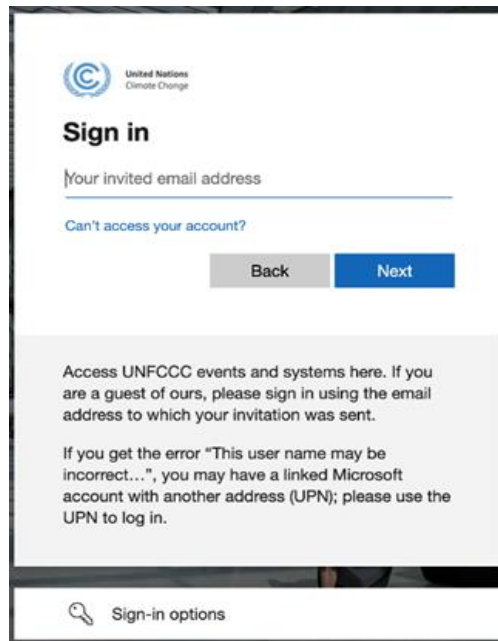
- ❑ Weblink to access the ETF Reporting Tools

<https://apps.unfccc.int/home>

- ❑ Login in details

Username: [Email that you were nominated with]

Password: [Password associated with the account]



UNFCCC will provide username and password if you do not have one yet. It can be only used during the training.



Create a new CTF version

E1



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Please select an option to start working on a CTF version

Create blank version

Please select this option to create a new blank version and start working on it.

Start

Select an existing version

Please select this option if you would like to work on or make a copy of an existing version.

Start

Upload a file

Please select this option if you would like to create a new version by uploading a JSON file.

Start

Click to create a new CTF

Click to upload and create a new CTF



Create a new CTF version

E1



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Please select year and version type to start working on a CTF version

Select the submission year

The submission year will be reflected in the version name.
You may edit the submission year later

Set as default version

Please select this option to make this the default working version for all users within your Party. You may change the default version later.

 Default version

Cancel

Create CTF Version >



Exercise 1a. Access, create a new CTF version

E1



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Exercise 1a:

- Login through the link
- Create a new CTF version for submission year 2024
- Toggle button to use the version as a Default version
- Observe your version number details on the top left-hand corner of your screen
- You will see the Version settings page to specify further



Flexibility provisions

Para. 85 of Annex to decision 18/CMA.1

Each Party shall provide, to the extent possible, estimates of expected and achieved GHG emission reductions for its actions, policies and measures in the tabular format referred to in paragraph 82 above; those developing country Parties that need flexibility in the light of their capacities with respect to this provision are instead encouraged to report this information

Para. 92 of Annex to decision 18/CMA.1

Each Party shall report projections pursuant to paragraphs 93–101 below; those developing country Parties that need flexibility in the light of their capacities are instead encouraged to report these projections.

Para. 95 of Annex to decision 18/CMA.1

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; those developing country Parties that need flexibility in the light of their capacities with respect to this provision have the flexibility to instead extend their projections at least to the end point of their NDC under Article 4 of the Paris Agreement.

Para. 102 of Annex to decision 18/CMA.1

Those developing country Parties that need flexibility in the light of their capacities with respect to paragraphs 93–101 above can instead report using a less detailed methodology or coverage.



Specify version settings, flexibility provisions

E1



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Specify version settings, applicable flexibility provisions

Specify YES/No to Flexibility

Application of flexibility options as applicable

Specify projection settings

Version Settings

- 1 Flexibility provisions
- 2 NDC and targets
- 3 Projections

1 Flexibility provisions

Please specify if any flexibility provisions in light of national capacities will be used.

Yes No

Select the specific flexibility provisions to be used

Para 85 (Enables the use of the notation key FX in the estimates of GHG reductions for PaMs)

Para 92 (Use when no projections data will be reported)

Para 95 (Allows an earlier year for the endpoint of projections)

Para 102 (Enables the use of the notation key FX in all areas of projections reporting)

Specify and select flexibility provisions

Version Settings

- Flexibility provisions Complete
- 2 NDC and targets
- 3 Projections

2 NDC and targets

Does this submission contain information for the end year or end period of an NDC and therefore an assessment of achievement of the target(s) for the NDC?

Yes No

Select the parameters for NDC and targets

Exit version settings

Continue to next step

Exit version settings

Back

Continue to next step



Specify version settings, projections

E1



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Version Settings

- Flexibility provisions Complete
- NDC and targets Complete
- 3 Projections**

3 Projections

Specify additional projection scenarios to be reported

Table 8 (with additional measures)

Table 9 (without measures)

Please specify the end year for projections

Year: 2040

Please specify the interim year(s) for which projections are reported

Years: 2025, 2030, 2035

Use toggle keys to generate grids for Table 8 or Table 9

[Exit version settings](#)

[< Back](#)

[Continue to next step >](#)



Exercise 1b- Specify version settings, flexibility provisions

E1



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Exercise 1b:

- Choose YES or NO in Flexibility provisions in version settings as applicable

Flexibility NO:

- For the submission created above, select “No” to flexibility provisions
- Move to Projection settings
- OR

Flexibility YES:

- For the submission created above or create a new CTF version for the submission year 2024 or any other year of choice
- Select “Yes” to flexibility provisions
- Select any of the flexibility provisions as applicable
- Toggle On for Para 95 flexibility provisions
- Try for other scenarios- Para 85, Para 92 or Para 102 and notice the impact on grids as you move ahead into the application



Exercise 1c- Specify projection settings

E1



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Exercise 1c: Projection settings:

- To generate With additional measures (Table 8), use the toggle key to generate the grid
- Likewise, to report Without measures (Table 9), use the toggle key to generate the grid
- Select the end year of projections from the dropdown menu
- Specify interim years
- Continue to next step to create the version



View and access all CTF versions

E2



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© ETF | PROGRESS | **CTF versions** | Data entry | Reporting tables | QA/QC

Version: DEU-CTF-NDC-2027-V0.6 | Status: Started | © DEFAULT ● Online

CTF versions

The list below contains all CTF versions and their status. + Create Version

Year Status Import .json file

Year	Version name	Status	Version	Created date	Updated
<input checked="" type="radio"/> 2027	DEU-CTF-NDC-2027-V0.6	Started	© DEFAULT	2023-08-10	<input type="button" value="Open"/>
<input type="radio"/> 2027	DEU-CTF-NDC-2027-V0.8	Started	-	2023-08-16	<input type="button" value="Open"/>
<input type="radio"/> 2027	DEU-CTF-NDC-2027-V0.7	Started	-	2023-08-12	<input type="button" value="Open"/>

Indication for the common working version for all users within the Party

Indication for last working version



Exercise: View and access all CTF versions

E2



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Exercise 2:

- You can also find the version you are working and all previous versions
- Go to CTF versions tab
- Check the year you are working on
- Search for the CTF Version you are working on, click Open
- To work on the Data Entry, click the Data Entry tab
- Select the grid to work on from the Navigation Tree



View and move through navigation tree

E3



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ETP | PROGRESS | CTF versions | Data entry | Reporting tables | QA/QC

Version: DEU-CTF-NDC-2024-V1.59 | Status: Started | DEFAULT | Online

Navigation tree

- 1. Targets and indicators
- 2. Mitigation policies and measures
- 3. GHG Emissions from CRT
- 4. Projection of GHG emissions and removals
 - 4.1. With measures
 - 4.2. With additional measures
 - 4.3. Without measures
 - 4.4. Projections of key indicators
 - 4.5. Key underlying assumptions and parameters

4.1. With measures

Expand all | Export

	Historical year	Projections			
	2020	2025	2030	2035	2040
Sectors					
Energy					
Transport					
Industry					
Agriculture					
LULUCF					
Waste					
Other (specify)					
Total with LULUCF					
Gases					
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					



E3

View and move through navigation tree



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Exercise 3a:

- Switch and view different grids generated as specified in version settings- Check for the grids With measures, With additional measures, Without measures, Key underlying assumptions and parameters grids generated according to specified settings

Exercise 3b:

- In the Mitigation Policies and Measures (Table 5) node, add new user-specified policy or measure.
- Notice the grid generated on the right side



Add and modify data in data entry grids

E4



ETF | PROGRESS | CTF versions | **Data entry** | Reporting tables | QA/QC

Version: DEU-CTF-NDC-2024-V1.59 | Status: Started | DEFAULT | Online

Navigation tree : Options

- 1. Targets and Indicators
- 2. Mitigation policies and measures
 - 2.1. Measure1**
- 3. GHG Emissions from CRT
- 4. Projection of GHG emissions and removals
 - 4.1. With measures
 - 4.2. With additional measures
 - 4.3. Without measures
 - 4.4. Projections of key indicators
 - 4.5. Key underlying assumptions and parameters

2.1. Measure1 Expand all Export

Measure1	WM	Description
		Additional information +
		Objectives
		Type of Instrument
		Status
		Sectors affected
		Gases Affected
		Start year
		Implementing entity
		GHG Emissions
		Achieved
		Exp...

Create new records/measures using '+', edit the measure name, delete measure

Enter data using the various dropdown and customizable options

Select all
 cost (currency)
 non-GHG benefits
 interaction with other mit...
 measure that influences ...
 information about how th...
 Apply



E4

Exercise 4a: Entering data for Mitigation Policies and Measures (Table 5)

- Using the '+' sign, create a record (or more records), notice the grid created on the right
- Enter information into the grid created using the various dropdown and input options
- Export the grid using the option in the top right corner, or using one of the options in the navigation tree **E5**
- Edit data in the exported file **E5**
- Import back to the grid using the options under the navigation tree **E5**
- Notice the change

Exercise 4b: Entering data in Projections Table 7, 8 or 9

- Open 'With measures' in the navigation tree
- Enter data in the white cells
- Add new sector in 'Other'. You can also delete a custom sector created
- The green cells are calculated cells which automatically calculates the totals
- Export the excel file, edit data in excel file, import it back as in Exercise 4a. **E5**

Exercise 4c: Entering data in Table 11- Key underlying assumptions and parameters

- Follow the same steps as in 4a **E5**



Export and import of data entry grids to Excel

E5

ETF | PROGRESS | CTF versions | Data entry | Reporting tables | QA/QC

Version: DEU-CTF-NDC-2024-V1.59 | Status: Started | DEFAULT | Online

Navigation tree

- 1. Targets and indicators
- 2. Mitigation policies and measures
 - 2.1. Measure1
- 3. GHG Emissions from CRT
- 4. Projection of GHG emissions and removals
 - 4.1. With measures
 - 4.2. With additional measures
 - 4.3. Without measures
 - 4.4. Projections of key indicators
 - 4.5. Key underlying assumptions and parameters

Options

- Edit Navigation Tree
- Show completeness check
- Show translation
- Import .xlsx file
- Export all data entry grids as .xlsx
- Export all data entry grids as .json

	Historical year	Projections			
	2020	2025	2030	2035	2040
Transport					
Industry					
Agriculture					
LULUCF					
Waste					
Other (specify) +					
Total with LULUCF	23,367.00	6,723.45			
Gases					
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					

Import/Export options can be found here



Export and import of data entry grids to Excel

E5

Exercise 5a: Exporting data for Mitigation Policies and Measures (Table 5)

- To export data created in Exercise 4a, export the grid using the option in the top right corner, or using one of the options in the navigation tree
- Edit data in the exported file
- Import back to the grid using the options under the navigation tree
- Notice the change

Exercise 5b: Exporting data in Projections Table 7, 8 or 9

- To export data created in Exercise 4b, Open 'With measures' in the navigation tree
- Export the excel file, edit data in excel file, import it back

Exercise 5c: Exporting data in Table 11- Key underlying assumptions and parameters

- Follow the same steps as in 4a



Export and import of data entry grids to JSON file

E5

1. From initial version creation

ETF | PROGRESS CTF versions | Data entry | Reporting tables | QA/QC

Please select an option to start working on a CTF version

Create blank version
Please select this option to create a new blank version and start working on it. [Start](#)

Select an existing version
Please select this option if you would like to work on or make a copy of an existing version. [Start](#)

Upload a file
Please select this option if you would like to create a new version by uploading a .JSON file. [Start](#)

2. From the CTF versions tab

ETF | PROGRESS CTF versions | Data entry | Reporting tables | QA/QC

Version: DEU-CTF-NDC-2027-V0.6 | Status: Started | DEFAULT Online

CTF versions

The list below contains all CTF versions and their status. [+ Create Version](#)

Year Status [Import .json file](#)

Year	Version name	Status	Version	Created date	Updated
2027	DEU-CTF-NDC-2027-V0.6	Started	DEFAULT	2023-08-10	Open
2027	DEU-CTF-NDC-2027-V0.8	Started	-	2023-08-16	Open



Export and import of data entry grids to JSON file

E5

Exercise 5d: Exporting data and importing data for grids to JSON

For Export: Use the options in the navigation tree to export

- Check the log file for JSON created immediately from your downloads folder to see the updates

For Import:

- Import data grids from navigation tree or from the CTF versions tab or from the initial version creation or from the CTF versions tab as seen below

1. From initial version creation

The screenshot shows the 'Create blank version' option in the CTF versions tab. The page title is 'Please select an option to start working on a CTF version'. There are three main options: 'Create blank version', 'Select an existing version', and 'Upload a file'. Each option has a 'Start' button. The 'Create blank version' option includes the text: 'Please select this option to create a new blank version and start working on it.'

2. From the CTF versions tab

The screenshot shows the 'CTF versions' tab in the application. The page title is 'CTF versions' and the subtitle is 'The list below contains all CTF versions and their status.' There is a '+ Create Version' button. Below the title, there are filters for 'Year' and 'Status'. An 'Import .json file' button is also visible. The table below shows the following data:

Year	Version name	Status	Version	Created date	Updated
2027	DEU-CTF-NDC-2027-V0.6	Started	DEFAULT	2023-08-10	
2027	DEU-CTF-NDC-2027-V0.8	Started	-	2023-08-16	



Create a new CTF version using a JSON file

E1

Please select an option to start working on a CTF version

Create blank version

Please select this option to create a new blank version and start working on it.

Start

Select an existing version

Please select this option if you would like to work on or make a copy of an existing version.

Start

Upload a file

Please select this option if you would like to create a new version by uploading a JSON file.

Start

Click to upload
and create a new
CTF



Generate/download the reporting tables

E6

ETF | PROGRESS | CTF versions | Data entry | **Reporting tables** | QA/QC |

Version: DEU-CTF-NDC-2027-V0.6 | Status: Started | DEFAULT Online

Common Tabular Formats

Select reporting tables to download

Select tables

Check all **Download as .xlsx**

Mitigation policies and measures

- Table 5 - Mitigation policies and measures, actions and plans

Projections of GHG emissions and removals

- Table 7 - With measures
- Table 8 - With additional measures
- Table 9 - Without measures
- Table 11 - Key underlying assumptions and parameters

Select the Reporting tables here



Exercise 6:

- On the Reporting Tables tab, click on the table that you have worked on to download
- Click the button 'Download as .xlsx'
- The table will be downloaded in excel format in your download folder
- Please note, the output of these tables are still in development

Work offline

E7



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ETF | PROGRESS | CTF versions | Data entry | Reporting tables | QA/QC

Version: DEU-CTF-NDC-2024-V1.59 | Status: Started | DEFAULT

Offline

Navigation tree

- 1. Targets and indicators
- 2. Mitigation policies and measures
 - 2.1. Measure1
- 3. GHG Emissions from CRT
- 4. Projection of GHG emissions and removals
 - 4.1. With measures
 - 4.2. With additional measures
 - 4.3. Without measures
 - 4.4. Projections of key indicators
 - 4.5. Key underlying assumptions and parameters

4.1. With measures

Expand all

Sectors	Historical year	Projections			
	2020	2025	2030	2035	2040
Energy	23,367.00	6,723.45			
Transport					
Industry					
Agriculture					
LULUCF					
Waste					
Other (specify)					
Total with LULUCF	23,367.00	6,723.45			
Gases					
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					

The offline button indicates you are disconnected from the internet

You can continue to work on the application offline

In Data Entry

Disconnected from internet (Offline button)

Reconnected



Exercise 7:

- On the Data Entry tab, edit some data in With measures (or any other grid)
- Disconnect from the internet- Notice the online button turn red (offline)
- Reconnect back
- Export data from the grid to work offline and import back
- Check the seamless experience in both online and offline mode

How to request access to the ETF Reporting tools?



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Climate Change Secretariat

Following the mandate from decision 5/CMA.3, the secretariat has released the test version of the tool at

<https://apps.unfccc.int/home>

In order to request access for testing the ETF Reporting Tools

- ✓ Request your NFP to nominate you for accessing ETF Reporting Tools
- ✓ Secretariat will provide access to the users
- ✓ Users can start testing the ETF Reporting Tools

For the technical issues during testing, please contact us at

Tools.Support@unfccc.int

Thank you!



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Find out more at:

<https://unfccc.int/Transparency>

Join our LinkedIn group at:

<https://www.linkedin.com/groups/13910606/>



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