



United Nations
Climate Change

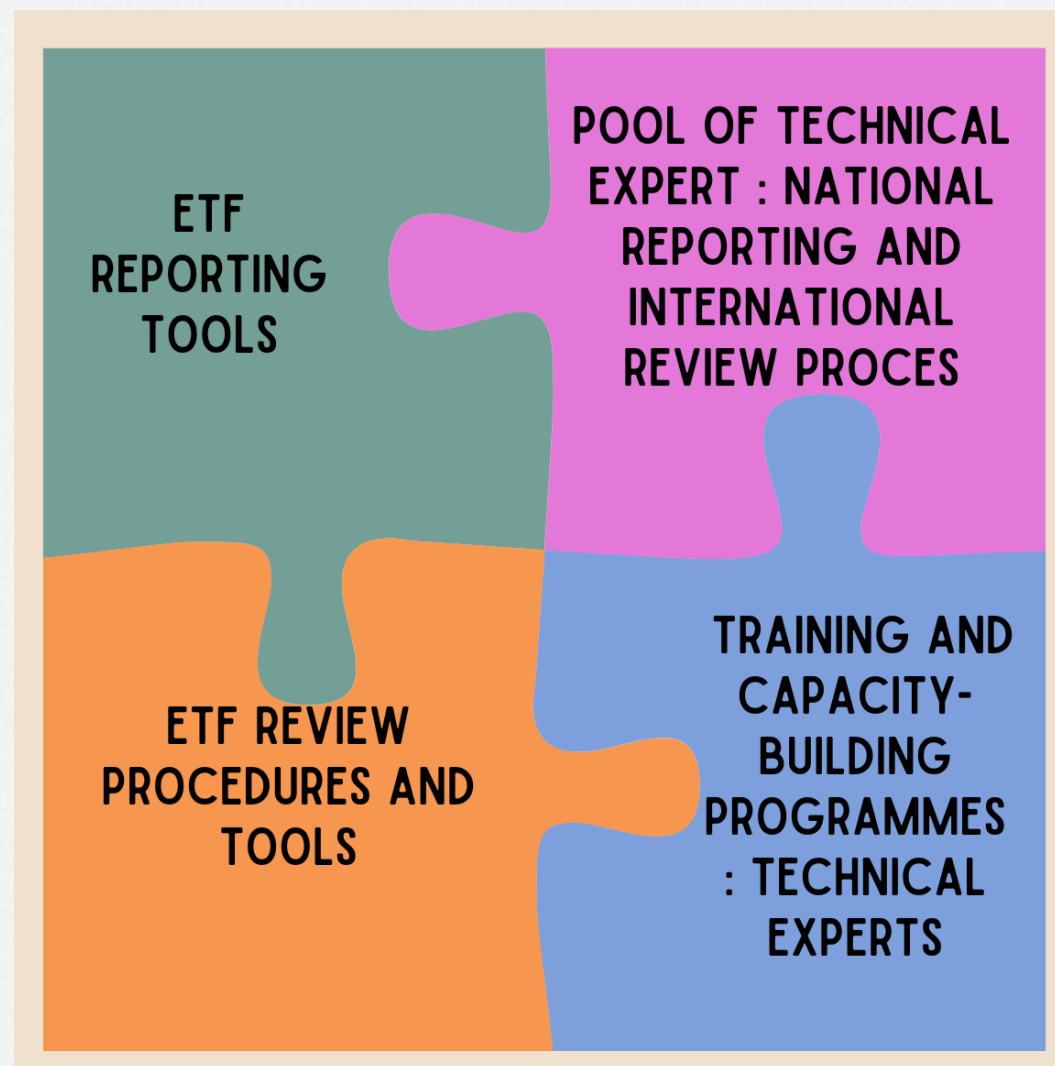
Overview of the ETF Reporting Tools

Gopal Raj Joshi
UNFCCC Secretariat
Transparency Division

Building blocks for ETF implementation

Facilitates the submission of information by Parties in a user-friendly and efficient manner

Facilitates the effective and efficient review of submitted information



Enhances sustainability, boosts effectiveness, and increases efficiency in both national reporting and the international review process

Enhance the skills and knowledge of technical experts to report and review information in a manner that is both efficient and effective

Mandates concerning the ETF reporting tools

Decision
1/CP.21

Adopted Paris Agreement (Article 13 for the enhanced transparency framework)

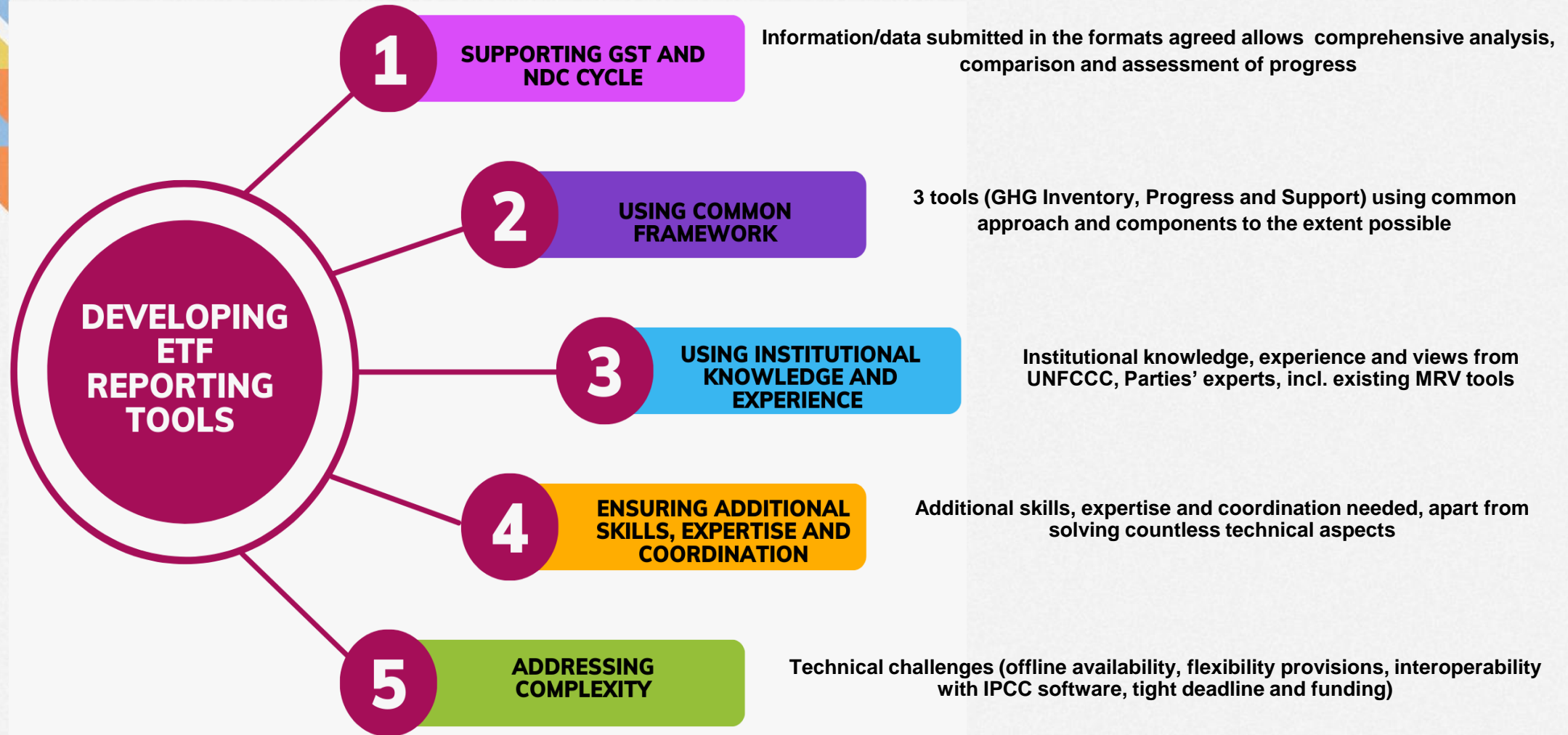
- **Adopted Modalities, Procedures and Guidelines for the enhanced transparency framework**
- **Mandated to develop Common Reporting Tables (CRT- GHG inventory), Common Tabular Formats (CTF-NDC information) and Common Tabular Formats (CTF-FTC support information)**

Decision
18/CMA.1

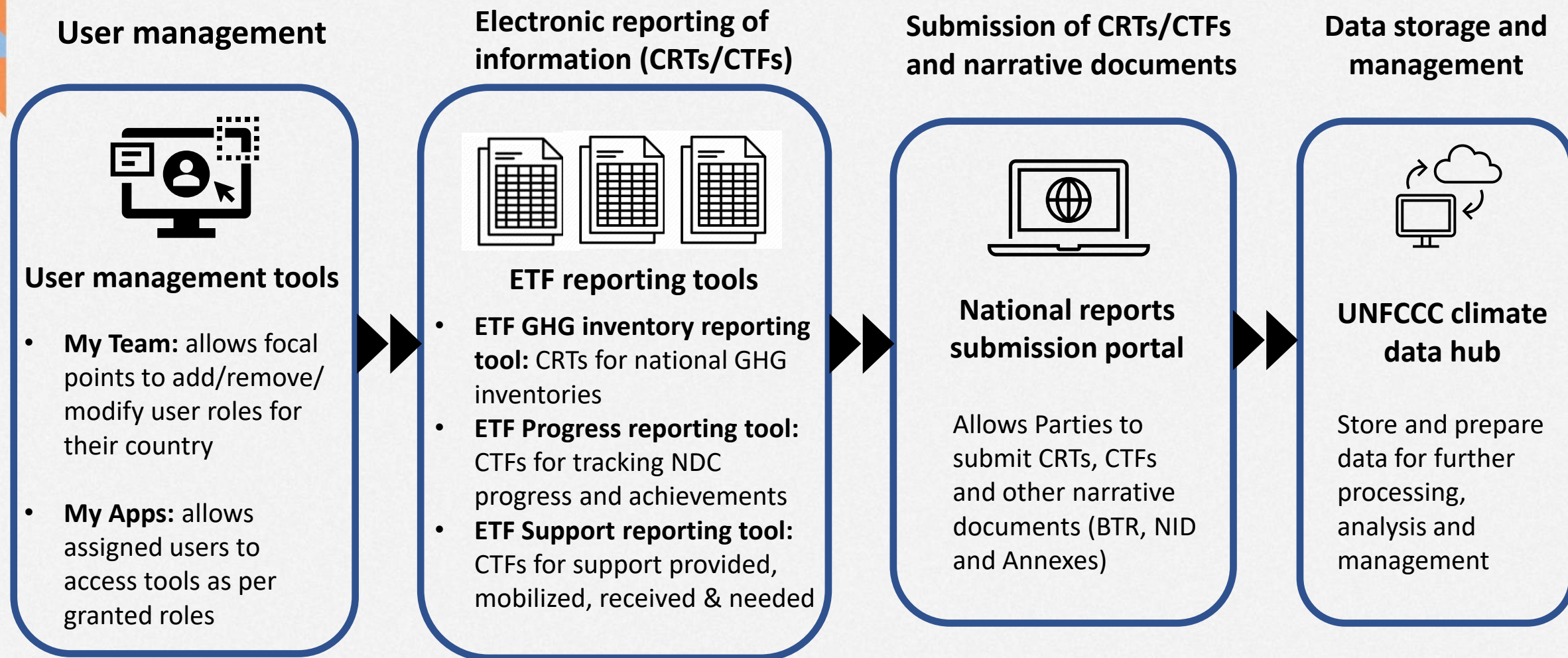
Decision
5/CMA.3

- **Adopted CRTs and CTFs**
- **Mandated to develop the reporting tools for electronic reporting of CRTs and CTFs**
- **Organize capacity-building events**

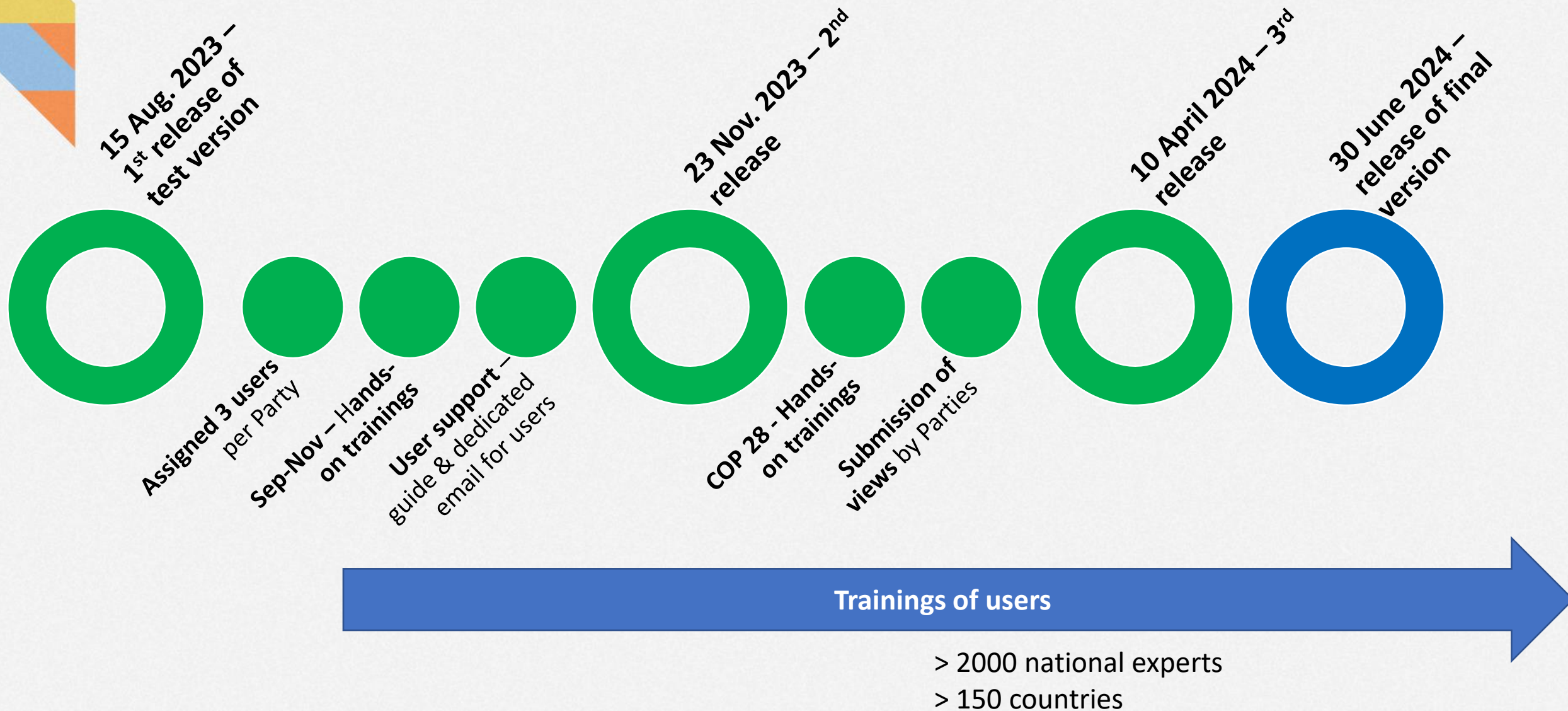
Approach



Framework for electronic reporting under the ETF



Deliverables



Release on 28 June 2024

ETF reporting tools

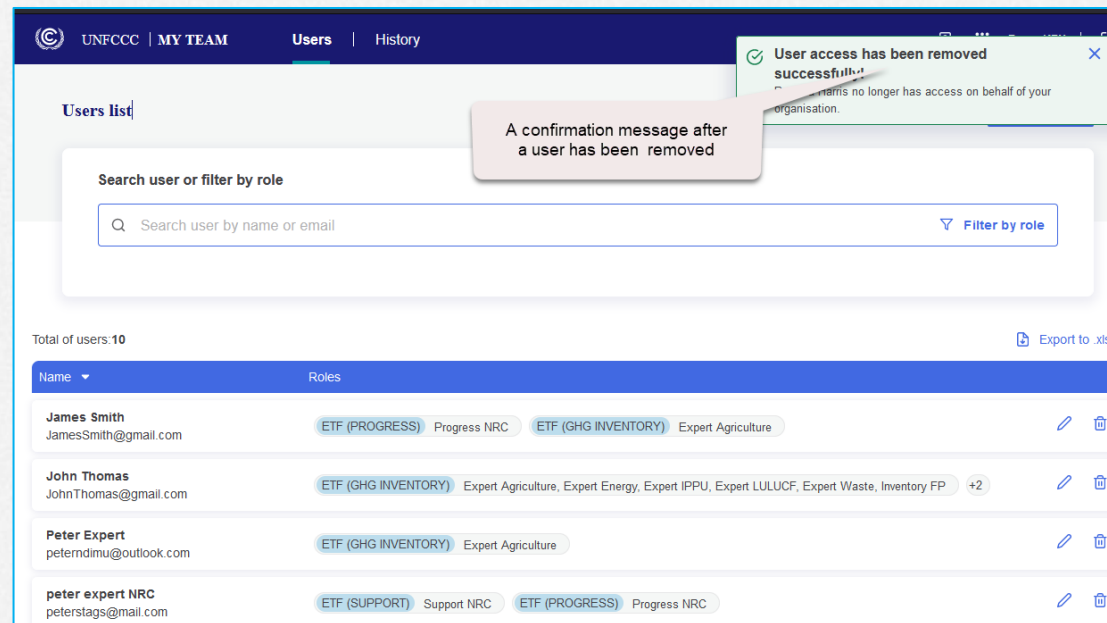
GHG inventory



Progress



Support



User management tool

USER
MANUAL

1. ETF GHG inventory reporting tool
2. ETF Progress reporting tool
3. ETF Support reporting tool
4. User management tool

User manuals and Technical documentation

Overall scope of the final version (June 2024)

GHG inventory



- All sectors, data entry grids
- All flexibility provisions and version settings
- Key category analysis
- Interoperability with IPCC software

Progress



- All data entry grids
- All flexibility provisions and version settings
- Interconnection with CRT

Support



- All data entry grids
- All version settings
- Detailed explanation of each decision step

- Generating reporting tables
- Importing and exporting (Excel and JSON)
- Working in offline mode
- Data validation in the data entry grids
- Providing comments/custom footnotes/doc boxes

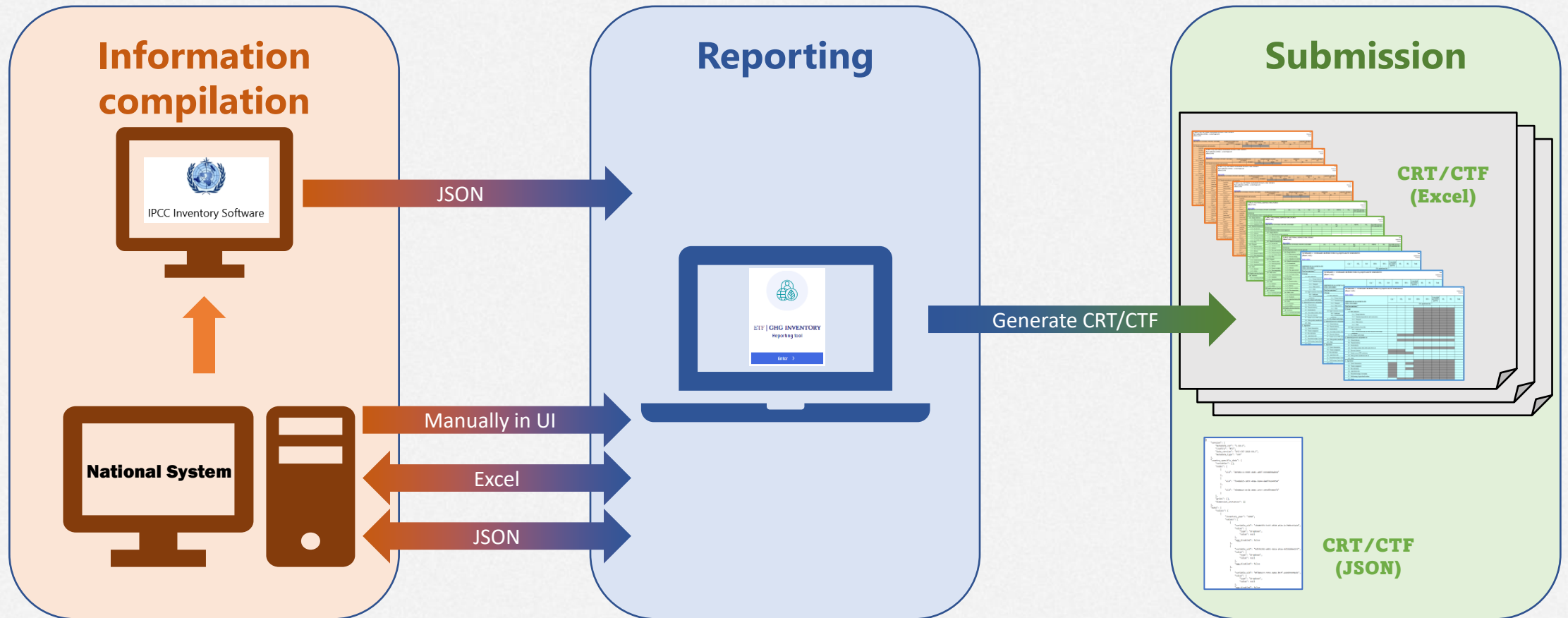
ETF Reporting Tools released at the end of June allow Parties to compile data and generate reporting tables for submission

Enhancements to be developed (after June 2024)

- Submission lifecycle and workflow
- Quick QC on the submission
- Completeness check
- Tooltips/info buttons
- Recalculation table and Flex_Summary table (GHG Inventory)



Basics in using the ETF reporting tools



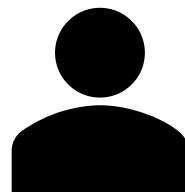
Suggested approach for users set up



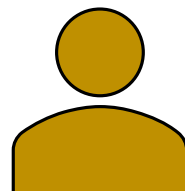
National focal points:
nominate and communicate focal point for ETF to the secretariat



ETF focal point and Alternate:
the secretariat registers them to My Team app and they add IFP focal point and alternate and NRC and alternate



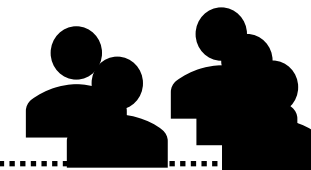
Inventory focal point or Alternate for GHG inventory reporting tool creates expert users



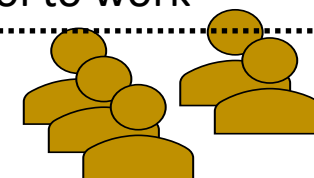
National report compiler or Alternate for Progress reporting tool creates expert users



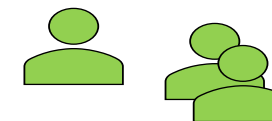
National report compiler or Alternate for Support reporting tool creates expert users



Energy, IPPU, Agriculture, LULUCF Waste experts access the tool to work



Tracking progress, PaMs, Projection experts access the tool to work



Support experts access the tool to work

Support for the tool : ETF reporting tools help page

User manuals
and training
materials

Technical
documentation

Frequently
asked
questions

Report issues
and incidents

Title	Links	Description
ETF Reporting Tool Manual	<ul style="list-style-type: none">ETF GHG inventory reporting tool manualETF Progress reporting tool manualETF Support reporting tool manualETF User management tool manual	
ETF User Management Tool Video	<ul style="list-style-type: none">User management tool video ↗	
Live Demonstration of the ETF Reporting Tools	<ul style="list-style-type: none">Live Demonstration of the ETF Reporting Tools – Video Recording ↗	<p>Total duration of the video: 1 hour 22 minutes.</p> <p><i>GHG Inventory:</i> starts at 00:00:03</p> <p><i>Progress:</i> starts at 00:35:46</p> <p><i>Support:</i> starts at 1:00:23</p>

- [Q&A session on Monday, 29 April ↗](#)
- [Q&A session on Tuesday, 30 April ↗](#)

This page provides the unique identifier (UID), structure of metadata and data exchange standards in the JSON format, together with the description documents for the ETF Reporting Tools. These documents provide a general understanding of the metadata and data exchange standard structure.

It should be noted that these documents are not final and are subject to change during the development of the ETF Reporting Tools. Revised versions will be published as soon as they are available.

ETF GHG Inventory Reporting Tool

CRT UIDs

The UID is associated with each cell (variables) in the reporting tables, which can be used, e.g., to map the variables to the national system. The UIDs for the Energy,IPPU, Agriculture,LULUCF and Waste sector (based on CRT version 2.83) can be accessed using the links below.

Energy
IPPU
Agriculture
LULUCF
Waste

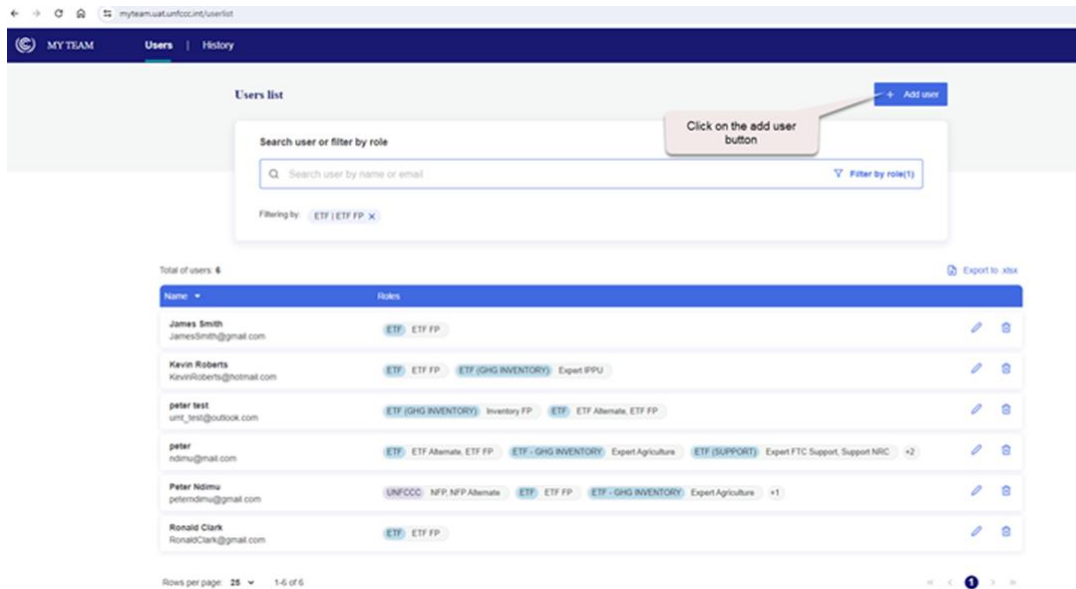
Metadata and Data exchange JSON

CRT Metadata JSON Description Document
CRT Metadata JSON
CRT Data Exchange JSON Description Document
CRT Data Exchange Sample JSON
CRT Data Exchange Sample with description JSON

Email at:

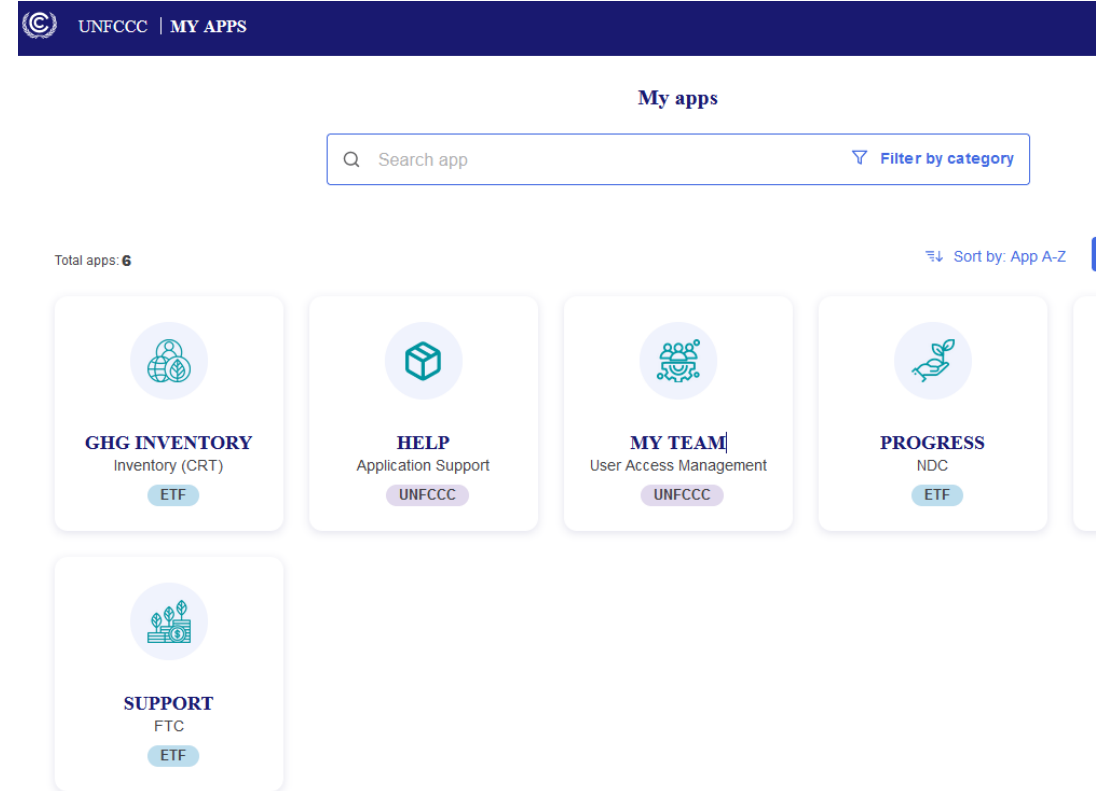
tools.support@unfccc.int

User management tool



The screenshot shows a web application for user management. At the top, there's a navigation bar with "MY TEAM" and "Users | History". Below this, a "Users list" section features a search bar labeled "Search user or filter by role" and a "+ Add user" button. A callout box points to the button with the text "Click on the add user button". Below the search bar, there's a filter section showing "Filtering by: ETF (ETF FP) X". The main part of the interface is a table with 6 users, each with a "Name" column and a "Roles" column. The roles are listed as tags next to each user's name. At the bottom, there's a "Rows per page" dropdown set to 25 and a "1-6 of 6" indicator.

Name	Roles
James Smith james.smith@gmail.com	ETF, ETF FP
Kevin Roberts KevinRoberts@hotmail.com	ETF, ETF FP, ETF (GHG INVENTORY), Expert IPPU
peter test unit_test@outlook.com	ETF (GHG INVENTORY), Inventory FP, ETF, ETF Alternate, ETF FP
peter peter@gmail.com	ETF, ETF Alternate, ETF FP, ETF (GHG INVENTORY), Expert Agriculture, ETF (SUPPORT), Expert FTC Support, Support NRC, +2
Peter Ndumu peterndumu@gmail.com	UNFCCC, NFP, NFP Alternate, ETF, ETF FP, ETF (GHG INVENTORY), Expert Agriculture, +1
Ronald Clark RonaldClark@gmail.com	ETF, ETF FP



The screenshot shows a "My apps" interface. At the top, there's a dark blue header with the UNFCCC logo and "MY APPS". Below this, a search bar labeled "Search app" and a "Filter by category" dropdown are visible. The main area displays a grid of application tiles. Each tile has an icon, a title, a subtitle, and a category tag. The tiles are: "GHG INVENTORY" (Inventory (CRT), ETF), "HELP" (Application Support, UNFCCC), "MY TEAM" (User Access Management, UNFCCC), "PROGRESS" (NDC, ETF), and "SUPPORT" (FTC, ETF). A "Total apps: 6" label is on the left, and a "Sort by: App A-Z" dropdown is on the right.

Total apps: 6

Sort by: App A-Z

- GHG INVENTORY**
Inventory (CRT)
ETF
- HELP**
Application Support
UNFCCC
- MY TEAM**
User Access Management
UNFCCC
- PROGRESS**
NDC
ETF
- SUPPORT**
FTC
ETF

Managing users of the tool : My Team



Users | History

Users list

+ Add user

Search user or filter by role

Q Search user by name or email

Filter by role

Total of users: -

Export to .xlsx

Name Roles

Add user

* Required fields

Email for users to login*
Please do not use shared email addresses.

Email

Add first name*

Add last name*

First name

Last name

☐ The user doesn't have a last name

Assign role to the user

Select role(s)

Attention: The user will be created and added to the system, but won't be activated instantly on the application(s). The user will be informed by email once this process has been completed.


Cancel

Confirm



Name	Roles		
Test Two test2@hotmail.com	UNFCCC NFP Alternate		
Test One test1@gmail.com	ETF ETF FP		
Rows per page: 25 1-25 of -			

Accessing the reporting tool : My Apps

 UNFCCC | MY APPS

Party: NPL | [\[→\]](#)

My apps


[Filter by category](#)

Total apps: 5


Sort by: App A-Z

Grid View


List View




GHG INVENTORY
Inventory (CRT)
ETF




HELP
Application Support



MY TEAM
User Access Management
UNFCCC



PROGRESS
NDC
ETF



SUPPORT
FTC
ETF

Version: XYZ-CRT-2026-V0.3 | Status: Started | © DEFAULT

Navigation tree

Options

Sectors/Totals

1. Energy

1.A. Fuel combustion activities (sectoral approach)

1.A(b). CO₂ from fuel combustion activities (reference approach)1.A(c). Comparison of CO₂ emissions from fuel combustion

1.A(d). Feedstocks, reductants and other non-energy use of fuels

1.B. Fugitive emissions from fuels

1.C. CO₂ transport and storage

1.D. Memo items

2. Industrial processes and product use

3. Agriculture

4. Land use, land-use change and forestry

5. Waste

6. Other (please specify)

1.A. Fuel combustion activities (sectoral approach)^{8, 9, 10}

Expand all

...	Description	Unit	1990
01	▼ Fuel consumption	TJ	40.00
02	└ Liquid fuels	TJ	40.00
03	└ Solid fuels	TJ	
04	└ Gaseous fuels	TJ	
05	└ Other fossil fuels	TJ	
06	└ Peat	TJ	
07	└ Biomass	TJ	
08	▼ Calorific value ⁷		NCV
09	└ Liquid fuels ⁷		NCV
10	└ Solid fuels ⁷		
11	└ Gaseous fuels ⁷		
12	└ Other fossil fuels ⁷		
13	└ Peat ⁷		

Thank you for attending!

Let's keep this conversation going.

Join the **Transparency LinkedIn Group** to stay informed with our latest updates, upcoming events and more at:

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

Let's work **#Together4Transparency**
Find out more at:

<https://unfccc.int/Transparency>

Contact us at:

Tools.Support@unfccc.int

