

Introduction of A6IP capacity building tools

(Key features, outputs and expected uses)



Paris Agreement Article 6
Implementation Partnership Center

A6IP Working Groups on Authorization, Tracking and Reporting

6 WGs have been organized in 2023

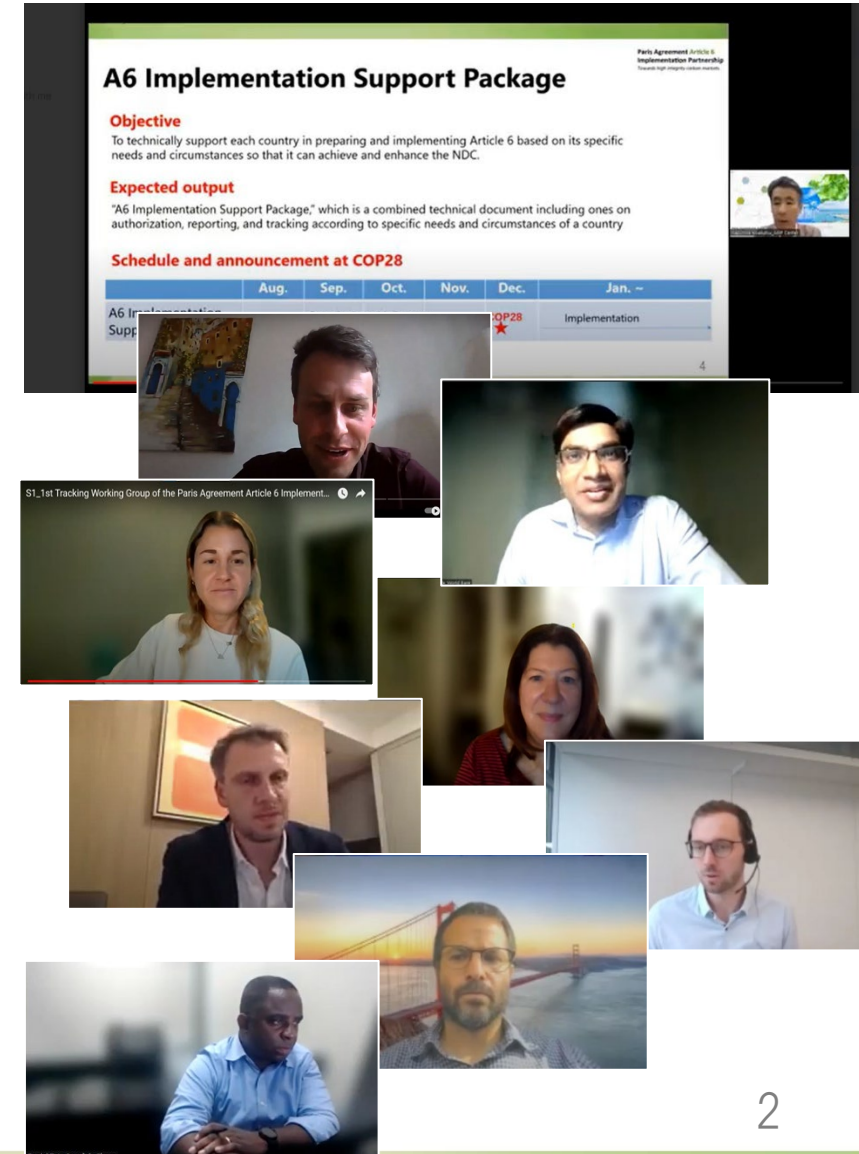
- Authorization – 1st WG (Mar 15th, 2023), 2nd WG (Sep 26th, 2023)
- Tracking – 1st WG (May 10th, 2023), 2nd WG (Nov 21st, 2023)
- Reporting – 1st WG (Apr 19th, 2023), 2nd WG (Oct 18th, 2023)

Objectives

- Exchange information from partner countries and organizations involved in authorization, tracking and reporting of Article 6
- Promote the development of tools for authorization, tracking and reporting

Participants

Broad participation from partner countries and organizations



Timeline of activities

A – Authorization
 T – Tracking
 R – Reporting
 J – Joint meeting

Activities		2023				2024				2025			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Working Groups	1 st meetings	A	R T										
	2 nd meetings			A	R T								
	Future meetings					J	← (2-3 WGs/y) →						
CB Tools	Develop 1 st draft		←→										
	Share & discuss			←→									
	Reflect on feedbacks				←→								
	Present 1 st output				COP28								
	Experts engagement					←→							
	Utilization – country support						←→						
	Continuous development						←→						

Overview of A6IP Capacity Building Tools

The A6IP CB Tools covers the following elements (non-sequential):

Key elements	What it covers	Regular updates
Introduction of Article 6 Rulebook	Background information on relevant CMA decisions, guidelines and formats.	Includes new decisions and emerging/broadly accepted concepts
How-to Guide (Step-by-step assistance)	Step-by-step assistance to set up/implement each component of Article 6 rules, with instructions and templates for consideration	Any revision/addition based on lessons learnt from deploying the materials to partner countries
Showcase (Practice on the ground)	Examples of practical implementation (case studies) of countries and cooperating partners	Additional/new case studies
Article 6 Library (Further reading)	Compilation of useful resources/tools/databases provided by partner organizations	Additional available resources

A6IP Capacity Building Support Tools: Authorization

Abdessalem Rabhi
Program Manager

Paris Agreement Article 6
Implementation Partnership Center

A6IP Capacity Building Support – for Authorization

Process	What to do	Target groups or works
Readiness	Provide supports to set strategies and policies	Designated National Authorities (DNAs) Government organizations
Institutional Arrangements	Identify relevant members and/or ministries Develop Article 6 policy frameworks	DNAs Government organizations
Authorization Arrangements	Know what to authorize Identify necessary information and procedures	Bilateral cooperation Article 6.4 mechanism Independent Standards
Authorization Arrangements	Changes in authorization status or contracts, where necessary	Development of procedures and rules (optional)

Overall Content

I. Introduction (Authorization in article 6 context)

- I.1. The Paris Agreement (PA) and the Article 6
- I.2. Article 6, paragraph 3: the use of ITMOs shall be authorized
- I.3. Authorization in Article 6 guidance: Annex, Decision 2/CMA.3

II. Authorization process: Step by Step guide

II.1. Participation requirements

- 1.1 Arrangements for authorizing the use of ITMOs

II.2. Authorization of ITMOs

- 2.1 Authorization of ITMOs for NDCs or OIMP
- 2.2 Definition of first transfer for OIMP
- 2.3 Authorization of entities

III. Authorization Examples: Practical cases

III. Authorization Examples: Practical cases

Authorization in Article 6 Rule

Authorization refers to **authorizing the use of ITMOs** for:

- ✓ Nationally Determined Contributions (NDCs)
- ✓ Other International Mitigation Purposes (OIMPs)

□ Authorization

- A host country authorizes:
 - ✓ ITMOs for use towards the achievement of an NDC,
 - ✓ ITMOs for use for other international mitigation purposes
- A host country needs to specify a **“first transfer”**:
 - ✓ For use towards the achievement of an NDC, **the first international transfer** of the mitigation outcome
 - ✓ For use for OIMPs, **(1) the authorization, (2) the issuance, or (3) the use or cancellation of the mitigation outcome**

□ Authorization for reporting

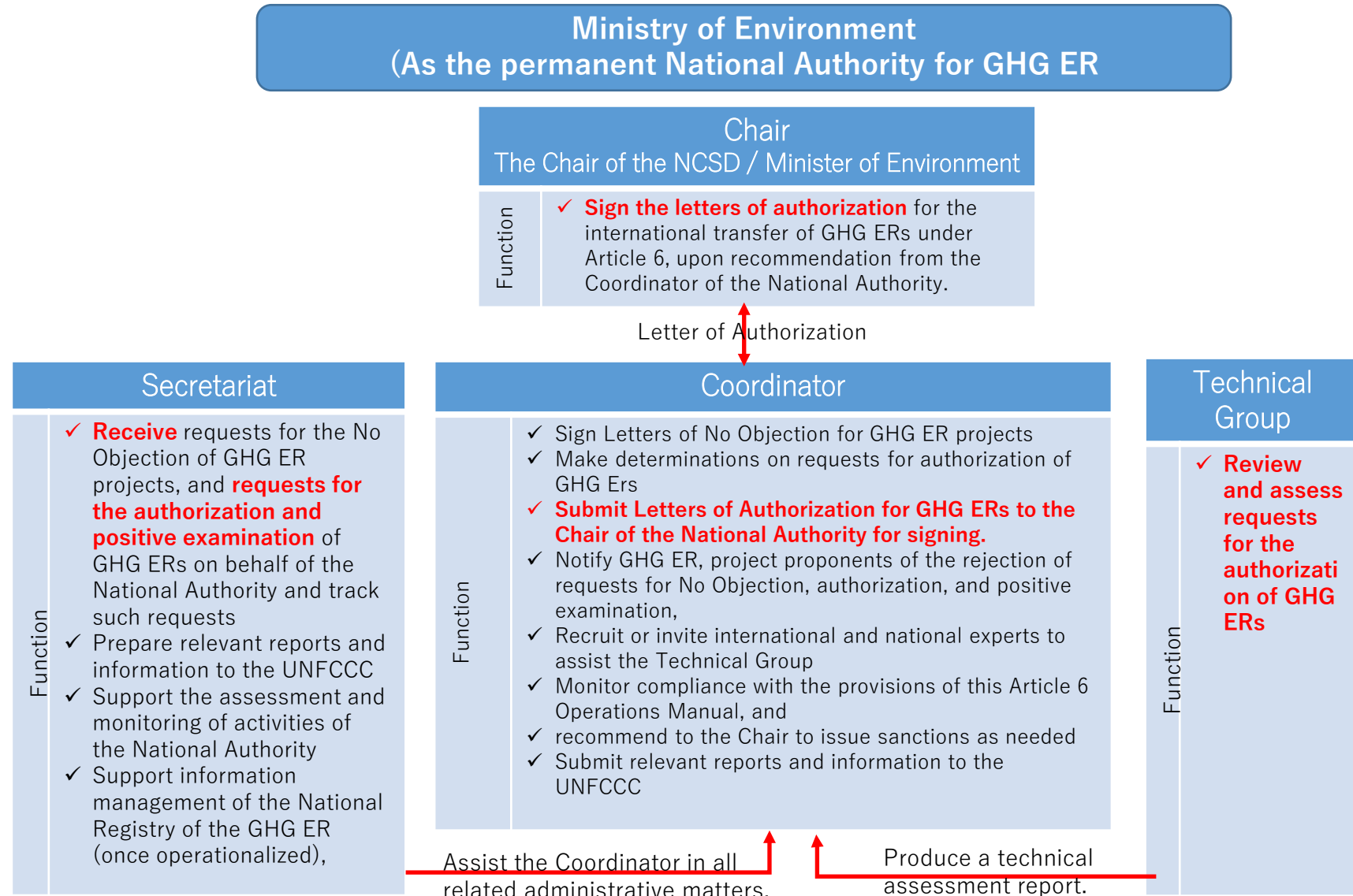
- Initial report
- Annual information
- Regular information

Example 1: Institutional and Administrative Framework: Cambodia

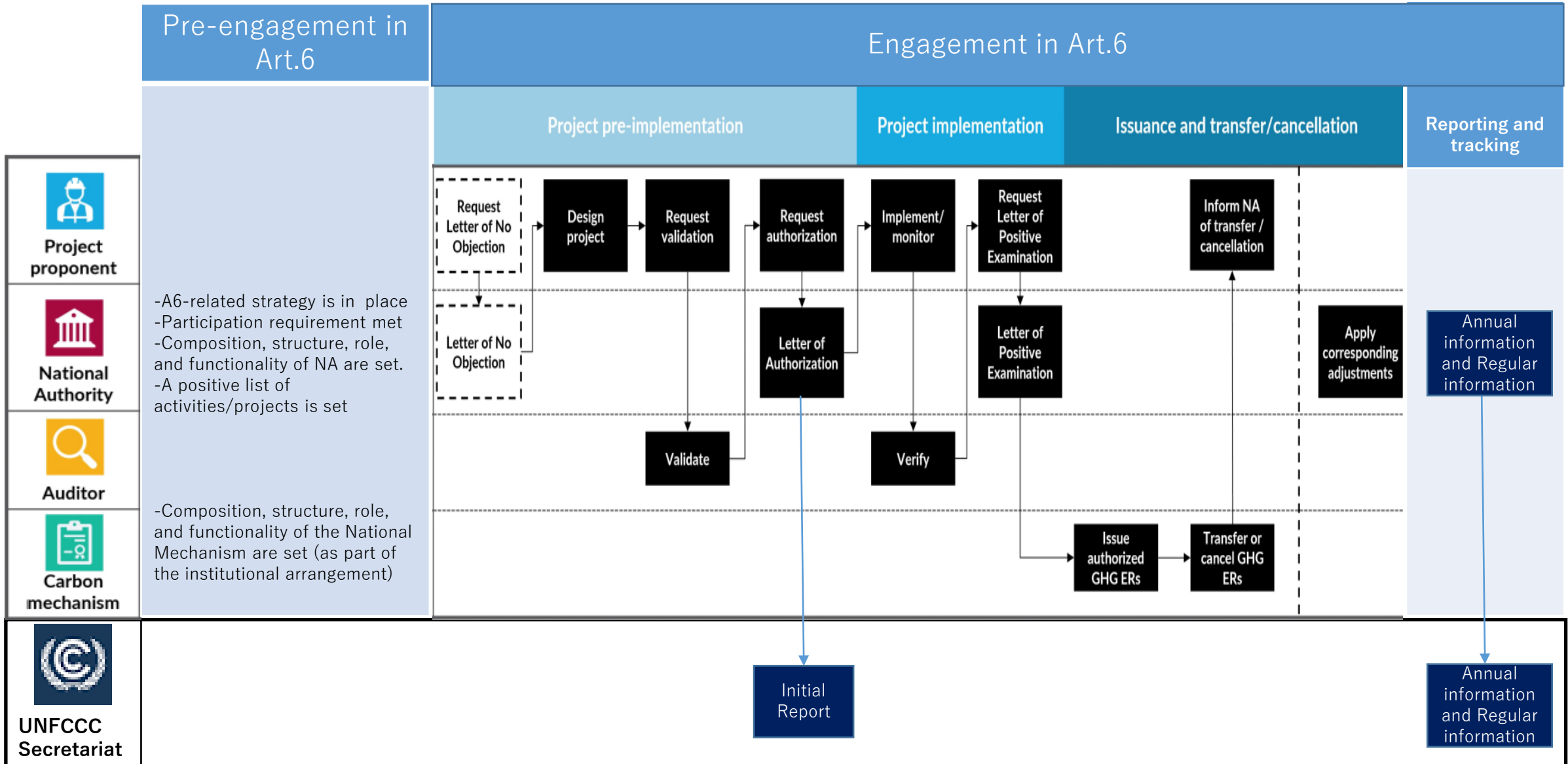
- Institutional Arrangements and Administrative Frameworks generally build upon countries' CDM structures and are developed further, if necessary, to meet the requirements of Art.6.

- **Institutional Arrangement:** It could be composed of an oversight Body and an Art.6 Unit.

- **Administrative frameworks** Address multiple issues, such as:
 - ✓ Processes for project developers to request project approval and authorization of credits,
 - ✓ Template documents,
 - ✓ Establishing and collecting fees for different activities
 - ✓ Procedures for registering activities with any national infrastructure.



Example2. Arrangements for authorization: Cambodia



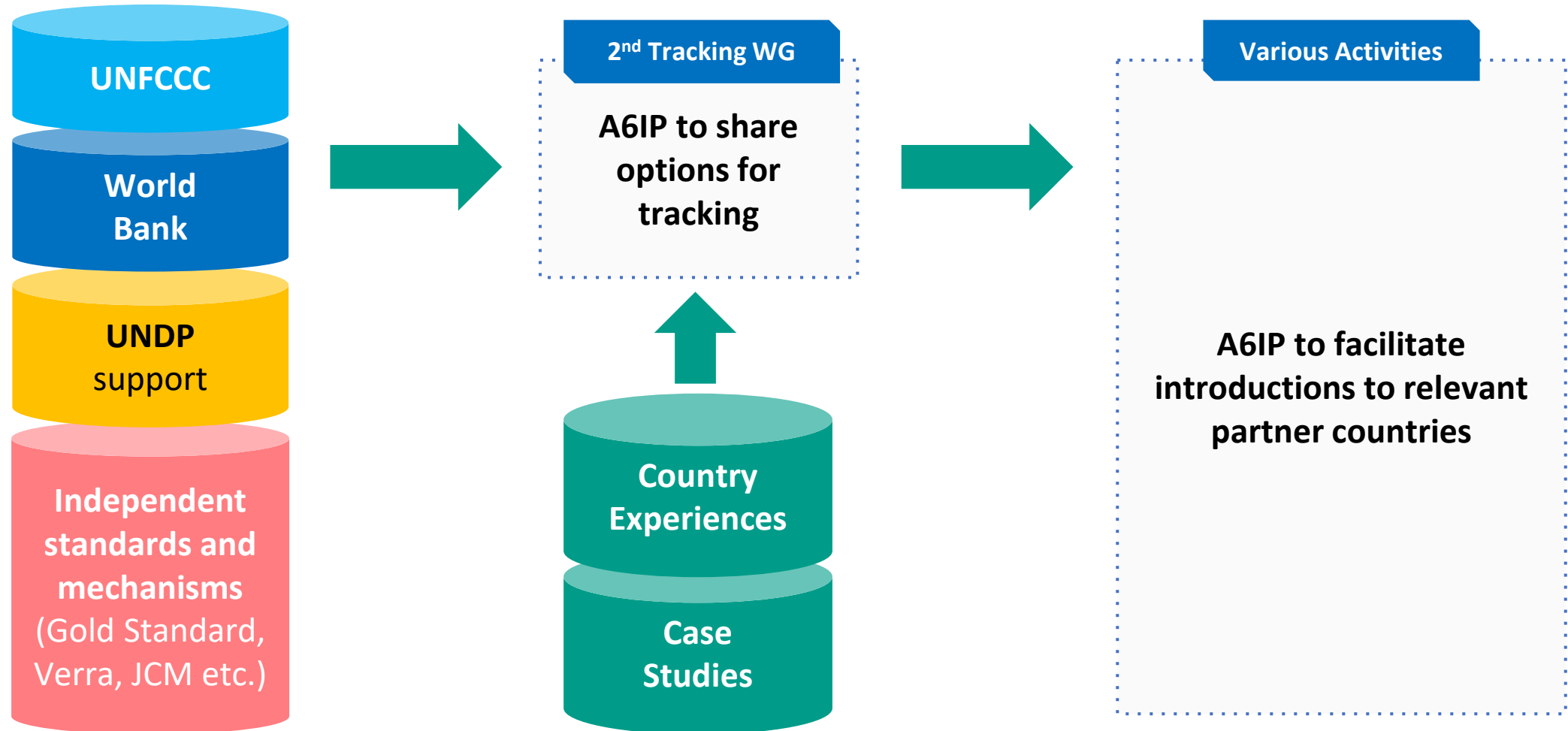
A6IP Capacity Building Support Tools: Tracking

Toshinori Hamaguchi
Program Manager

Paris Agreement Article 6
Implementation Partnership Center

A6IP Capacity Building Support – for Tracking

A6IP could compile information on different options available for tracking and introduce relevant options to partner countries.



2. Activities on Tracking WG by A6IP

Outline of Supporting Tool for Tracking:

1. Rulebook on Article 6.2 tracking

Guidance on tracking (Decision 2/CMA.3, paragraph 29-36)

- (1) Function of Tracking
- (2) Function of Article 6 database
- (3) Function of Centralized accounting and reporting platform

Guidance relating to registries (Decision 6/CMA.4, Annex I)

- i. Form, functions and processes
- ii. Tracking and recording methods
- iii. Actions and records
- iv. Interoperability

2. Activities on Tracking WG by A6IP

Outline of Supporting Tool for Tracking:

2. How-to Guide (Step-by-step guide)

Step 1: Determine the functionality needs for tracking in the country

Step 2: Consider possible options for tracking and recording

Step 3: Use of tracking system for A6 reporting arrangements

(Optional: Connect the registry with Article 6.4 registry)

(Optional: Connect the registry with open database for enhanced transparency)

3. Showcases (Practice on the ground)

1) Countries having the registry operational

2) Major international projects on development of the registry system

2. Activities on Tracking WG by A6IP

Development of A6 Tracking and recording Factsheets

Objectives: To share information and better understand on tracking and recording arrangement for Article 6 implementation among partner countries and institutions.

Collaborators: A6IP partner countries having the national registries and international organizations implementing projects on development of the registries to implement the Article 6.

Production period: Current to throughout 2024.

2. Activities on Tracking WG by A6IP

Registry Factsheets (2-3 slides per registry):

Slide 1: General information

Registry name					
Administrator					
Registry type	[National registry] / [International registry] / [Third party registry] / [Independent crediting registry]				
Using countries					
General description	(no more than 100 words)				
Credit types					
Mandatory Article 6.2 functions	Assign unique identifiers	Record authorization	Track ITMOs data	Accounts for ITMOs	
Additional functions	Support domestic CPIs	Enable transactions	Allow customization	Claim disclosure	AEF auto-prefilling
Interoperability method(s)					
Governing rules, guidelines					
Public access link					

2. Activities on Tracking WG by A6IP

Registry Factsheets (2-3 slides per registry):

Slide 2: Operation flowcharts/photos (with textual description as necessary)

--

Slide 3: Development aspects (if applicable)

Brief description of registry development process			
IT service provider (if applicable)			
Development cost (estimates)		Operational cost (estimates)	
Key consideration/ lessons learned (if any)			

2. Activities on Tracking WG by A6IP

Example of a Registry Factsheet

Registry name	Thailand Carbon Credit Registry				
Administrator	Thailand Greenhouse Gas Management Organization (Public Organization)				
Registry type	National registry				
Using countries	Thailand				
General description	The Thailand Carbon Credit Registry was established to record issuance and transactions of carbon credits from Thailand Voluntary Emission Reduction (T-VER) Program which was launched in 2014. The registry was designed based on the data exchange standards of the UNFCCC. From 2016, the registry also serves as the Thai registry from the Joint Crediting Mechanism (JCM) between Thailand and Japan. In 2023, the registry system underwent an upgrade to enable execution of Article 6.2 transactions in Thailand as well as to comply with CORSIA requirements.				
Credit types	TVERs, JCM credits				
Mandatory Article 6.2 functions	Assign unique identifiers	Record authorization	Track ITMOs data	Accounts for ITMOs	
	✓	✓	✓	✓	

2. Activities on Tracking WG by A6IP

Example of a Registry Factsheet

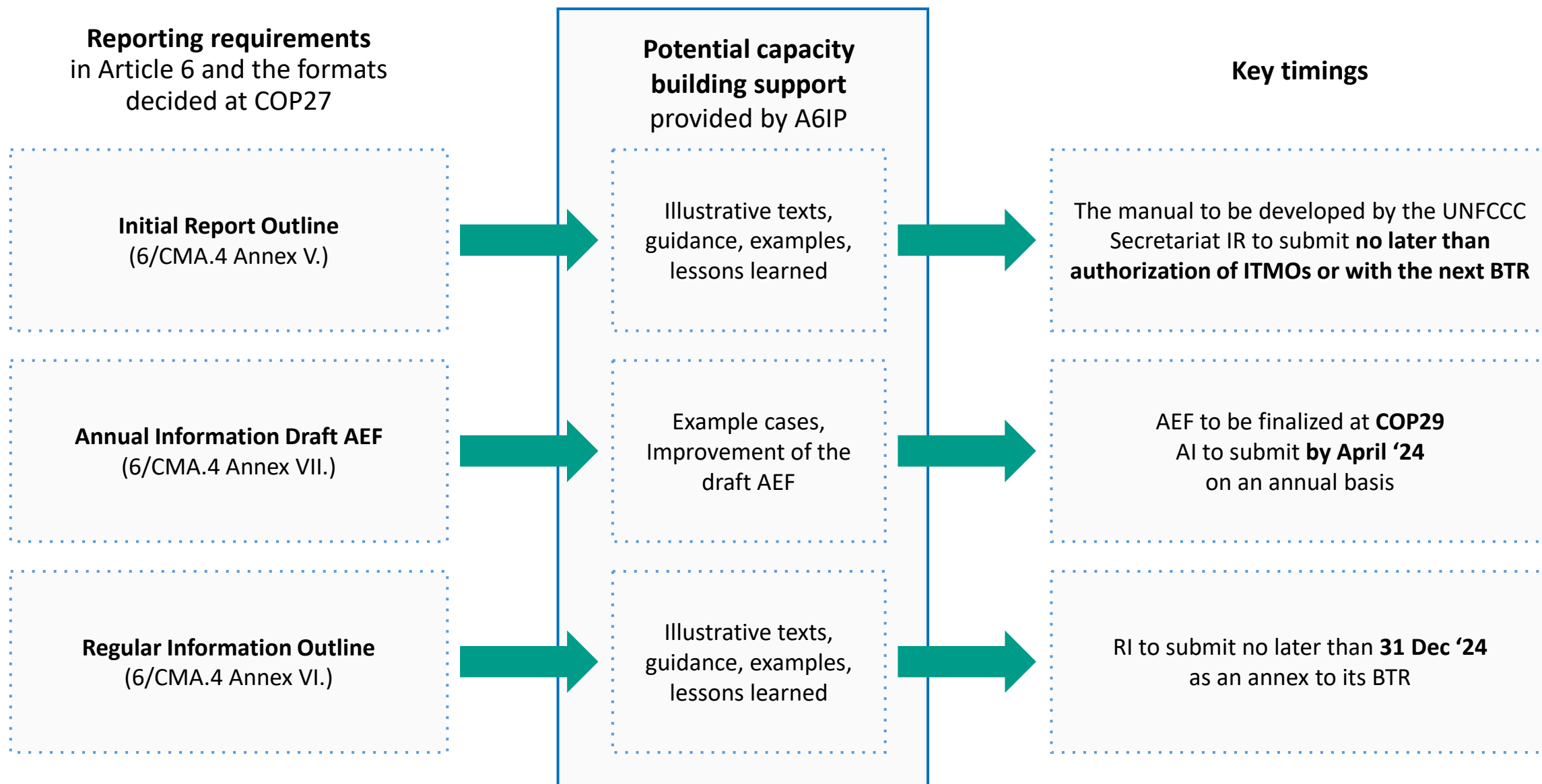
Additional functions	Support domestic CPIs	Enable transactions	Allow customization	Claim disclosure	AEF auto-prefilling
	✓	✓	✓	Partly	Not in place
Interoperability method(s)	The “first international transfer” is executed in the registry by applying a cancellation-to-recreation method. The transferred credits will be cancelled into a dedicated ITMO cancellation account.				
Governing rules, guidelines	<ul style="list-style-type: none"> - Regulation of the Board of Directors of Thailand Greenhouse Gas Management Organization re: rules on registration of sale, purchase and transfer of carbon credit, and any relevant orders and notifications. - The user manual is available on the registry public page. 				
Public access link	https://registry.tgo.or.th/en				

A6IP Capacity Building Support Tools: Reporting

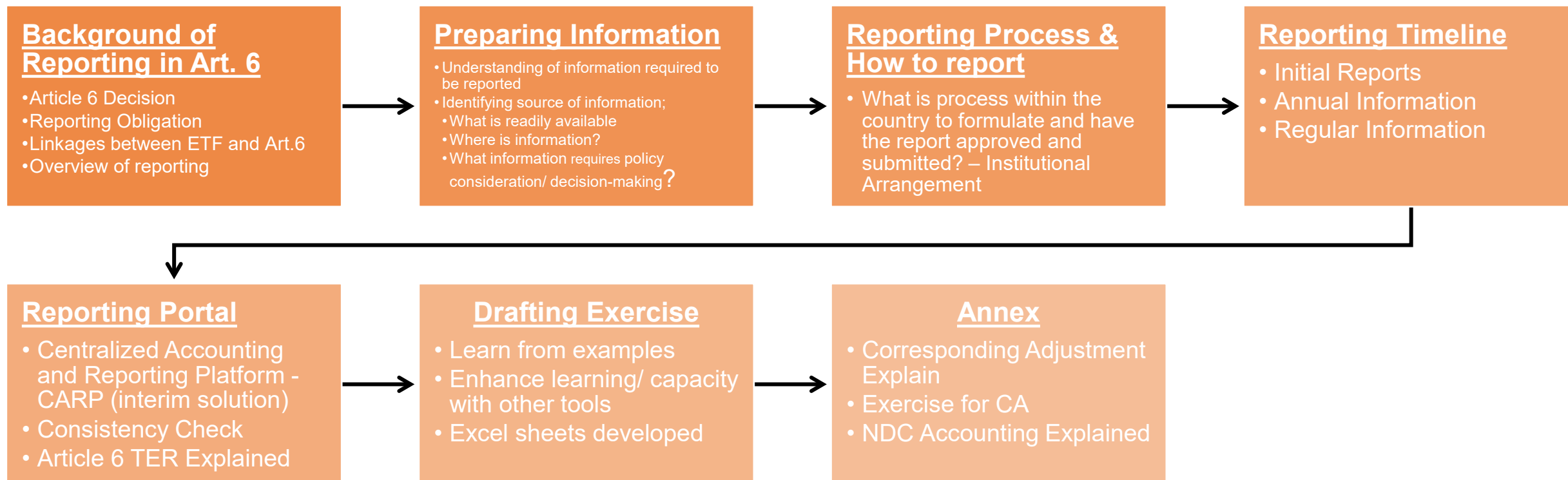
Chatthep Chanyam
Technical Officer

Paris Agreement Article 6
Implementation Partnership Center

A6IP Capacity Building Support Tools – for Reporting



Material Outline for Reporting CB Tools



Principle → Transparency, Accuracy, Completeness, Consistency, and Comparability (TACCC)

Article 6.2 Initial Report

What?

I. Participation responsibilities	II. Description of the Party's NDC	III. [Accounting information]	IV. Cooperative approach
Party to PA	Target and description	ITMO metrics	A copy of authorization
Communicate NDC	Target year/period	CA method	Description, duration, parties
Authorization arrangements	Reference point/level/baseline	Quantification of NDC	Expected mitigation
Tracking arrangements	Time frame		Authorized entities
Most recent GHG inventory	Scope and coverage		Environmental integrity
NDC, LT-LEDS, Paris goals	...		Additional description

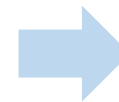
When?

No later than authorization of ITMOs or where practical in conjunction with the next due BTR

How / Where?



Initial report template
Available on CARP



CARP (Interim solution)

Annual information

What?

Authorization for NDCs

Holdings

Authorization for OIMPs

Cancellation

First transfer

Voluntary cancellation
(OMGE)

Transfer

Use towards NDC

Acquisition

Accompanying information

The cooperative approach

Sector(s) and activity type(s)

The OIMPs authorized by the Party

Vintage year

The first transferring
Party

The unique identifiers

The using Party or authorized entity(ies)

When?

No later than 15 April of the following year

How / Where?



**Draft agreed electronic
format (AEF)**

Decision 6/CMA.4, annex VII



For record in Article 6
Database (in development)

Regular information

What?

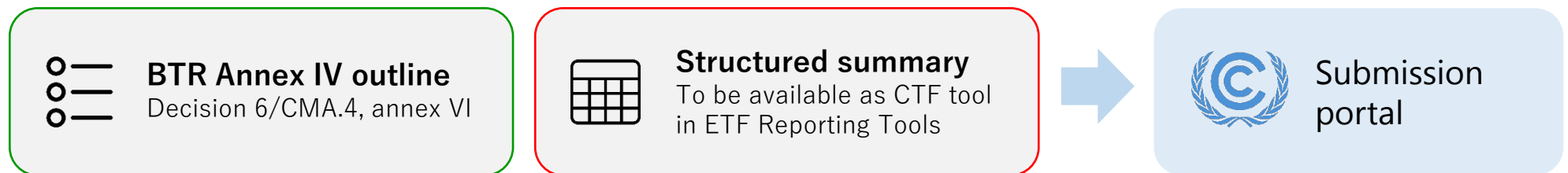
Participation in cooperative approach	Information on each cooperative approach	Annual information
Participation responsibilities	Contribute to mitigation/NDC	Annual emissions and removals
Updates to previously provided information	Environmental integrity	Annual quantity of ITMOs
Information on authorizations	Measurement of mitigation outcomes	Total quantitative CAs
Information on CAs	Avoid negative impacts, Human rights	An annual emissions balance
Information on avoiding double use	Sustainable development	...

Included in the structured summary

When?

No later than 31 December of the relevant year (2024, 2026, 2028, ...)

How / Where?



Preparing Information for Initial Report

Outline for the initial report and updated initial report referred to in decision 2/CMA.3, annex, chapter IV.A (Initial report)^{1, 2, 3}

[English only]

Party	Party name
NDC period	2022 - 2022
Report number for the NDC period ⁴	1
Report type	
Initial report	<input type="checkbox"/>
Updated initial report	<input type="checkbox"/>
Updated initial report number	1
Version ⁵	1.0
Date	dd/mm/yyyy
Name(s) of cooperative approach(es) included in this report <i>(Include a line for each additional cooperative approach)</i>	Cooperative approach 1 Cooperative approach 2

⁴ Ascribe sequential number for updated initial reports. The number '1' is reserved for the initial report.

⁵ Ascribe version number as follows: decimal increase for minor revisions (typos, corrections) and digit increase for content changes.

Note: For updated initial report fill in only section IV. Information on each cooperative approach (para. 18(g-i), para. 19 of the annex to decision 2/CMA.3).

I. Participation responsibilities (para. 18(a))

A. Information on how the Party ensures that it is a Party to the Paris Agreement (para. 18(a), para. 4(a), to be updated by para. 21(a))

B. Information on how the Party ensures that it has prepared, communicated and is maintaining an NDC in accordance with Article 4, paragraph 2 (para. 18(a), para. 4(b), to be updated by para. 21(a))

C. Information on how the Party ensures it has arrangements in place for authorizing the use of ITMOs towards achievement of NDCs pursuant to Article 6, paragraph 3 (para. 18(a), para. 4(c), to be updated by para. 21(a))

¹ This template is for voluntary use to facilitate the preparation and submission of the initial reports and updated initial reports referred to in decision 2/CMA.3, annex, chapter IV.A (Initial report).

² The list of the acronyms and abbreviations used in this template are available in decision 6/CMA.4: <https://unfccc.int/documents/624474>.

³ References to chapters and paragraphs in the outline are to chapters and paragraphs in the annex to decision 2/CMA.3, unless stated otherwise. "Article" refers to an Article of the Paris Agreement.

Initial/ Updated Initial Report contains of 4 sections;

The **first section** includes participating country compliance of the participation requirements).

The **second section** contains information about the NDC (target, types of targets, reference levels, scope, and coverage, implementation periods, intention to use cooperative approaches, etc).

The **third section** concerns the accounting of ITMOs and accounting of the NDC, contains information on ITMO metrics, the method for applying **corresponding adjustments**, the **method for quantification** of the NDC.

The **fourth section** includes information specific to the cooperative approach:

- Authorization by the participating country.
- Description and duration of the cooperative approach.
- Expected mitigation per year of the cooperative approach.
- Countries involved in the cooperative approach.
- Authorized entities.
- Description of how the cooperative approach ensures environmental integrity.

Sample of Guidance for Preparing IR

	Reporting Items	Guidance	Reference	Illustrative Texts	Sample
I.			Participation responsibilities (para. 21(a))		
A.	Information on how the Party ensures that it is a Party to the Paris Agreement (para. 18(a), para. 4(a), to be updated by para. 21(a))	Briefly state your country's status as a Party to the Paris Agreement, including the date of ratification/accession.	Paris Agreement - Status of Ratification:	[Country A] ratified the Paris Agreement on [Day/Month/Year] and continues to be a Party to the Paris Agreement.	Ghana ratified the Paris Agreement in September 2016 and is a Party to the Paris Agreement thereupon.
B.	Information on how the Party ensures that it has prepared, communicated and is maintaining an NDC in accordance with Article 4, paragraph 2 (para. 18(a), para. 4(b), to be updated by para. 21(a))	Provide a summary of your country's Nationally Determined Contribution (NDC), including its target, type (e.g., absolute, intensity-based), reference level, scope, coverage, implementation period, and intention to use Article 6 mechanisms.	NDC Registry: https://unfccc.int/NDCREG	[Country A] communicated its [updated] NDC on [Day/Month/Year] and continues to implement the [updated] NDC [in accordance with national plans and policies].	Switzerland has submitted the latest version of its updated NDC on December 17th 2021.1 Switzerland's national CO2 Acts (2022-24 in force; 2025-20302 under Parliamentary debate) anchor Switzerland's emission reduction targets and define domestic measures.
C.	Information on how the Party ensures it has arrangements in place for authorizing the use of ITMOs towards achievement of NDCs pursuant to Article 6, paragraph 3 (para. 18(a), para. 4(c), to be updated by para. 21(a))	Explain your country's process for authorizing the use of Internationally Transferred Mitigation Outcomes (ITMOs) towards NDC achievement. This includes details on eligible activities, authorization criteria, and responsible entities.	Subject to Country	[Country A] established/mandated [the competent authority/body] to consider/provide/approve authorization of the use of mitigation outcomes generated from mitigation activities implemented in the context of Article 6 of the Paris Agreement between [Country A] and cooperating partner countries. - The authorization is provided in accordance with [reference to law/regulations/policy documents], based on [criteria established by ...]. - Authorization statements are made publicly available and can be found on <link to website>.	Switzerland's competent authority for authorizing the use of ITMOs is the Federal Department of Environment, Transport, Energy and Communications acting through the Federal Office for the Environment (FOEN). The competence is delegated to the FOEN through the bilateral agreements as well as Switzerland's national CO2 Act. The bilateral agreements and the national CO2 legislation include eligibility requirements for the authorizations
D.	Information on how the Party ensures it has arrangements in place that are consistent with the Article 6, paragraph 2, guidance and relevant decisions of the CMA for tracking ITMOs (para. 18(a), para. 4(d), to be updated by para. 21(a))	Describe your country's system for tracking ITMOs, ensuring consistency with Article 6.2 guidance and CMA decisions. Explain how ITMOs are issued, transferred, cancelled, and avoided double counting.	Subject to country	[Country A] established/uses [a registry title] to track mitigation outcomes generated from mitigation activities implemented in the context of Article 6 of the Paris Agreement. [The registry] performs the functions of recording [issuances and] transactions, including transfers, acquisitions, cancellations, [retirements] and use of mitigation outcomes, each assigned with a unique identifier. [The authorization status is recorded through ...] - [The registry] is operated in accordance with [reference to law, regulations, or relevant registry specification documents] and can be accessed from <link to	Thailand uses the Thailand Carbon Credit Registry administered by Thailand Greenhouse Gas Management Organization (Public Organization) for the purpose of tracking and recording of ITMOs. The Thailand Carbon Credit Registry records issuance of mitigation outcomes in a form of carbon credits (in blocks) with unique identifiers and records transactions relating to carbon credits, including any transfer, acquisition, cancellation, and use. The authorization status is recorded and tracked through the unique identifiers of the carbon credits. The first transfer is executed by applying a cancellation-to-creation method for use towards NDC and a cancellation for OIMPs. The Thailand Carbon Credit Registry operates in accordance with the regulation of the Board of Directors of Thailand Greenhouse Gas Management Organization re: rules on registration of sale, purchase and transfer of carbon credit and any relevant orders and notifications. Further information can be found on https://registry.tgo.or.th/en/ .
E.	Information on whether the most recent national inventory report required in accordance with decision 18/CMA.1 has been provided (para. 18(a), para. 4(e), to be updated by para. 21(a))	Provide the link to your most recent national inventory report submitted under decision 18/CMA.1. Briefly summarize the key findings and their relevance to your participation in Article 6 mechanisms.	UNFCCC, National Inventory Submissions. UNFCCC, National Communication submissions from non-Annex I Parties https://unfccc.int/non-annex-I-NCs UNFCCC Biennial Update Report submissions from non-Annex I Parties https://unfccc.int/BURs "	[Country A] provided its most recent national inventory report in [the [Xth] National Communication/[Xth] Biennial Update Report] submitted on [Day/Month/Year], covering national greenhouse gas inventories from [Year] until [Year].	Thailand provides its most recent national inventory in the Fourth Biennial Update Report (BUR4) communicated to the UNFCCC secretariat on 28 December 2022 which provides a national inventory of anthropogenic emissions by sources and removals by sinks of GHGs from 2000 – 2019.
F.	Information on how the Party ensures participation contributes to the implementation of its NDC and long-term low-emission development strategy, if it has submitted one, and the long-term goals of the Paris Agreement (para. 18(a), para. 4(f), to be updated by para. 21(a))	Explain how your participation in Article 6 mechanisms contributes to achieving your NDC targets and, if applicable, your Long-Term Low Emissions Development Strategy (LT-LEDS). Highlight specific projects, outcomes, and their estimated emission reductions.	Country's NDC	[Country A] intends to use Article 6 to promote implementation of mitigation activities in addition to its domestic efforts which generates emission reductions in [Country A], part of which are maintained in the country and contribute to the implementation of its NDC. - The scope of activities implemented/authorized by [Country A] under Article 6 of the Paris Agreement aligns with the national priorities and climate policies of [Country A] and support [Country A] to strengthen its NDC implementation in sectors covered by its NDC, as well as and transfer of advanced technologies and innovation and provides access to financial resources that support Thailand's achievement of NDC and LT-LEDS [Thailand's 2nd Updated NDC]. Thailand's LTLEDS provides Thailand's long-term mitigation actions and pathway towards Carbon Neutrality in 2050 and Net Zero GHG Emission in 2065, contributing to the achievement of the long-term temperature goals of the Paris Agreement. The CMGM further sets a requirement for the project eligible for authorization to be a project that supports mitigation in order to achieve the goals of NDC and Thailand's LT-LEDS.	Thailand intends to achieve the unconditional mitigation under the NDC through domestic efforts, while recognizing the important role of international market-based cooperation in contributing to the mitigation of greenhouse gas emissions and promoting sustainable development. Thailand welcomes discussion to explore international market-based cooperation in the context of Article 6 of the Paris Agreement, that promotes development and transfer of advanced technologies and innovation and provides access to financial resources that support Thailand's achievement of NDC and LT-LEDS [Thailand's 2nd Updated NDC]. Thailand's LTLEDS provides Thailand's long-term mitigation actions and pathway towards Carbon Neutrality in 2050 and Net Zero GHG Emission in 2065, contributing to the achievement of the long-term temperature goals of the Paris Agreement. The CMGM further sets a requirement for the project eligible for authorization to be a project that supports mitigation in order to achieve the goals of NDC and Thailand's LT-LEDS.

Discussion session

Discussion

Guiding questions

- What types of tools could be further developed to close the capacity gaps in implementing Article 6?
- What tools have your organizations/countries developed/are developing? How may they be utilized and how may countries in need of support access them?
- How should partner countries and organizations collaborate under the Article 6 Implementation Partnership to promote development of common tools that can benefit various cooperations and support programs?

Thank you for your attention

Any questions

Contact: a6_partnership@iges.or.jp

Website: <https://a6partnership.org>

