

# Art 6.2: Options for implementing the infrastructure requirements

## - Focusing on A6DB-

21 March 2022

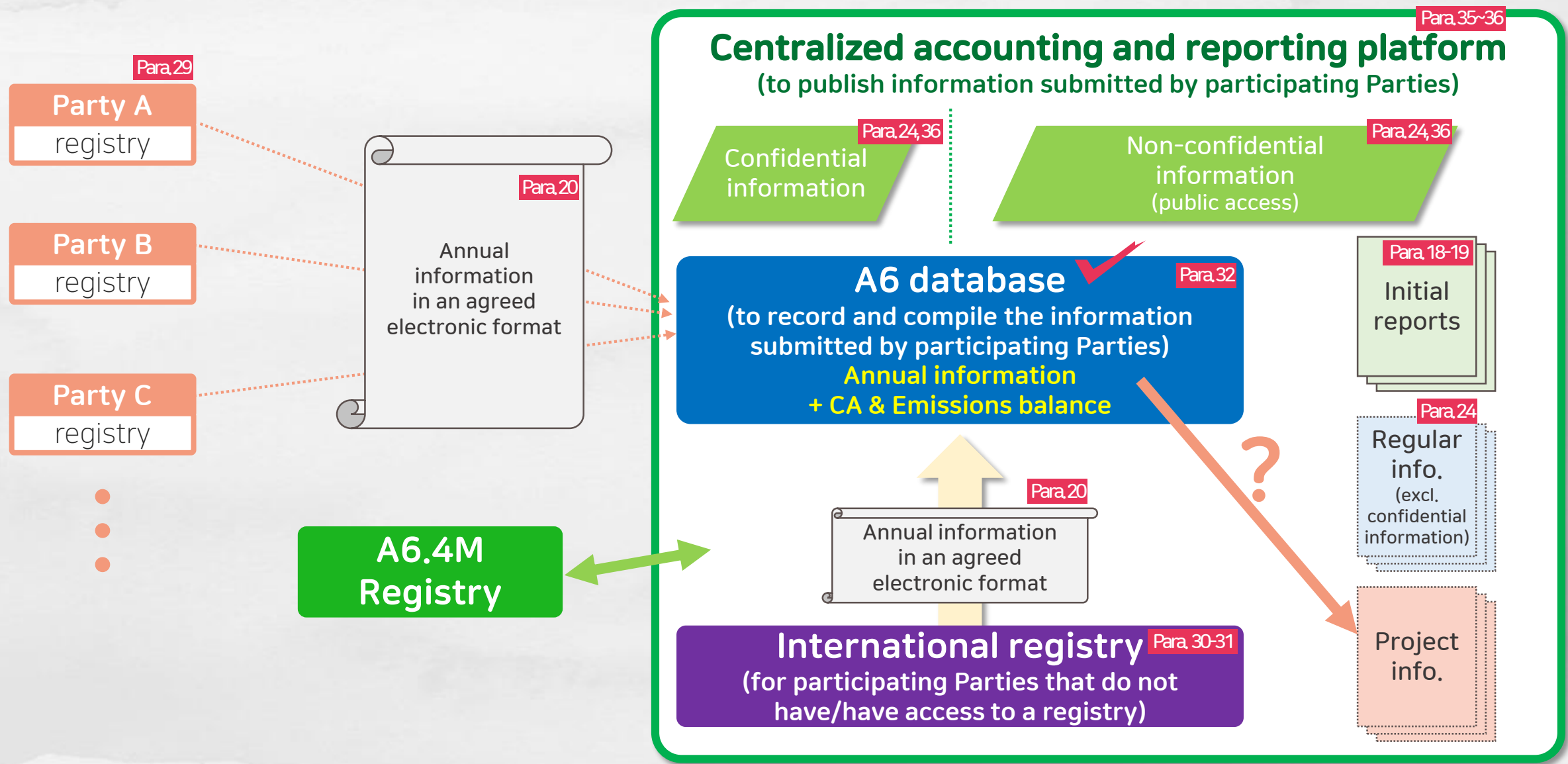


Eco Harmonist  
Korea Environment  
Corporation

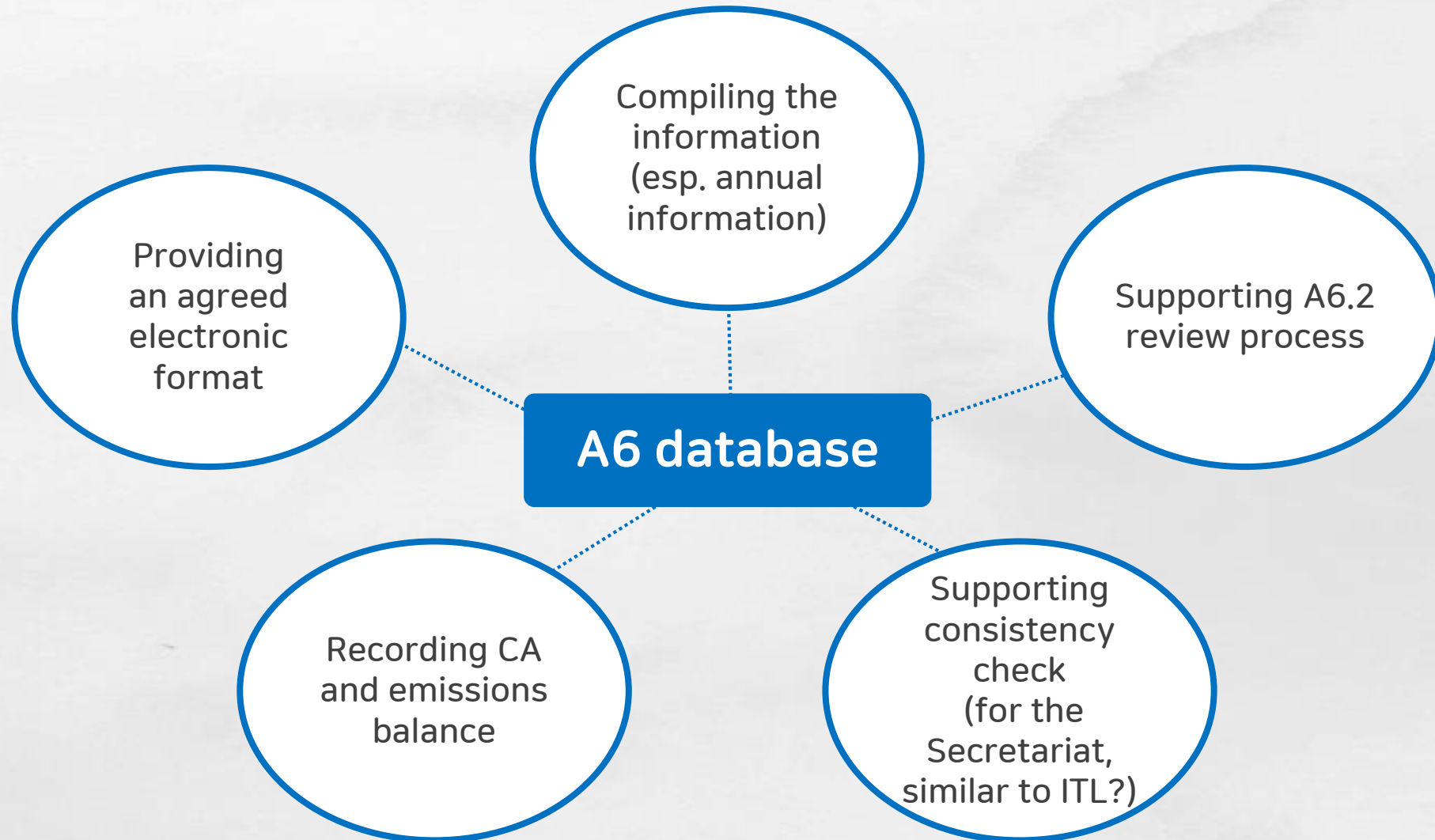
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Dept. of Carbon Neutrality  
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# 1. A6.2 infrastructure: Big Picture



## 2. Function of the A6DB



# 3. What are required...

## VI. Recording and tracking > A. Tracking

29. Each participating Party shall have, or have access to, a registry for the purpose of tracking and shall ensure that such registry records, including through unique identifiers, as applicable, authorization, first transfer, transfer, acquisition, use towards NDCs, authorization for use towards other international mitigation purposes, and voluntary cancellation (including for overall mitigation in global emissions, if applicable), and shall have accounts as necessary.

## IV. Reporting > B. Annual information

20. Each participating Party shall, on an annual basis by no later than 15 April of the following year and in an agreed electronic format, submit for recording in the Article 6 database referred to in chapter VI.B below (Article 6 database):

(a) Annual information on authorization of ITMOs for use towards achievement of NDCs, authorization of ITMOs for use towards other international mitigation purposes, first transfer, transfer, acquisition, holdings, cancellation, voluntary cancellation, voluntary cancellation of mitigation outcomes or ITMOs towards overall mitigation in global emissions, and use towards NDCs;

(b) In respect of the above, the cooperative approach, the other international mitigation purpose authorized by the Party, the first transferring participating Party, the using participating Party or authorized entity or entities, as soon as known, the year in which the mitigation occurred, the sector(s) and activity type(s), and the unique identifiers.

## VI. Recording and tracking > B. Article 6 database

32. For transparency in relation to cooperative approaches, to record and compile the information submitted by participating Parties pursuant to chapter IV.B-C above (Reporting) and to support the review referred to in chapter V above (Review), the secretariat shall implement an Article 6 database as part of and integrated with the centralized accounting and reporting platform referred to in chapter VI.C below (Centralized accounting and reporting platform). The Article 6 database shall enable the following:

(a) Recording of corresponding adjustments and emissions balances and information on ITMOs first transferred, transferred, acquired, held, cancelled, cancelled for overall mitigation in global emissions, if any, and/or used by participating Parties, through identification of ITMOs by unique identifiers that identify, at the minimum, the participating Party, vintage of underlying mitigation, activity type and sector(s);

(b) Identifying inconsistencies to be notified to the participating Party or participating Parties, as applicable.

# 4. Could be considered... (1)

(1) Developing a tabular format(an agreed electronic format) for annual information (para 20.(a) & (b))

Cooperative Approach		Other International Mitigation Purpose		First transferring participating Party		Using participating Party		Authorization of ITMOs for use towards achievement of NDC	Authorization of ITMOs for use towards OIMP	First transfer	Transfer	Acquisition	Holdings	Cancellation	Voluntary cancellation	Voluntary cancellation towards OMGE	Use towards NDC	Ending balance (or Net-flow)
Project title	Project No.	Operating Organization	Mechanism	Party name	Party code	Party name	Party code											
Landfill gas capture project	1234567	N/A	N/A	Mexico	MX	Republic of Korea	KR	100	0	0	0	100	80	0	0	0	20	80
N/A	N/A	ICAO	CORSIA	Republic of Korea	KR	Mexico	MX	0	200	200	0	0	0	0	0	0	0	-200
<b>Total</b>								<b>100</b>	<b>200</b>	<b>200</b>	<b>0</b>	<b>100</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>-120</b>

# 4. Could be considered... (2)

## (2) Recording corresponding adjustments and emissions balance (para 32.(a))

Cooperative Approach		Other International Mitigation Purpose		First transferring participating Party		Using participating Party		Authorization of ITMOs for use towards achievement of NDC	CA	CA	Transfer	Acquisition	Holdings	Cancellation	Voluntary cancellation	Voluntary cancellation towards OMGE	CA	Ending balance (or Net-flow)	
Project title	Project No.	Operating Organization	Mechanism	Party name	Party code	Party name	Party code		Authorization of ITMOs for use towards OIMP	First transfer							Use towards NDC		
Landfill gas capture project	1234567	N/A	N/A	Mexico	MX	Republic of Korea	KR	100	0	0	0	100	80	0	0	0	20	80	
N/A	N/A	ICAO	CORSIA	Republic of Korea	KR	Mexico	MX	0	200	200	0	0	0	0	0	0	0	-200	
<b>Total</b>								<b>100</b>	<b>200</b>	<b>200</b>	<b>0</b>	<b>100</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>-120</b>

### [Emissions balance (para 8.(a) & (b))

If  $\square < 0$ ,

{Anthropogenic (emissions-removals) covered by its NDC} +  $|\square|$

If  $\square > 0$ ,

{Anthropogenic (emissions-removals) covered by its NDC} -  $|\square|$



$\square$  = Depending on a CA method referred to in para 7 and CMA/4 decision

# 4. Could be considered...(3)

- Creating unique identifiers: A6DB should provide standards to create unique identifiers to track all ITMOs and MOs authorized for OIMP

A6DB > Project information > New project

## ● Basic information


Project title	<input type="text"/>	Project No.	<i>generating automatically when saving the project info.</i>
Purpose for authorization	<input type="text"/> 	Name of OIMP	<input type="text"/> 
	NDC OIMP		

## ● Participating Parties

First transferring Party	<input type="text"/> 
Using Party	<input type="text"/> 

Party Name	Party Code
Poland	PL
Portugal	PT
Qatar	QA
Republic of Korea	KR
Republic of Moldova	MD

## ● Authorized entities

Name of entity	<input type="text"/> 
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# 4. Could be considered...(4)

## ● Project information

Sector(s)	<input type="text"/>	<input type="radio"/>
Activity type(s)	<input type="text"/>	<input type="radio"/>
Project period (Crediting period)	YYYY-MM-DD <input type="text"/>	YYYY-MM-DD <input type="text"/>
Monitoring period	YYYY-MM-DD <input type="text"/>	YYYY-MM-DD <input type="text"/>

Sector	<input type="checkbox"/>
Energy	<input checked="" type="checkbox"/>
IPPU	<input type="checkbox"/>
Agriculture	<input type="checkbox"/>
LULUCF	<input type="checkbox"/>
Waste	<input checked="" type="checkbox"/>

Activity type	<input type="checkbox"/>
...	<input type="checkbox"/>
Wind	<input type="checkbox"/>
Landfill gas	<input checked="" type="checkbox"/>
Solar	<input type="checkbox"/>
...	<input type="checkbox"/>

*Note: A calendar pop-up is visible in the center, showing the month of January 2022 with the 1st highlighted.*

## ● Mitigation outcomes

Vintage year <small>(the year in which mitigation occurred)</small>	<input type="text"/>	Amount of mitigation outcomes generated	<input type="text"/>	tCO <sub>2</sub> eq
	2022			
	2023			
	2024			
	2025			



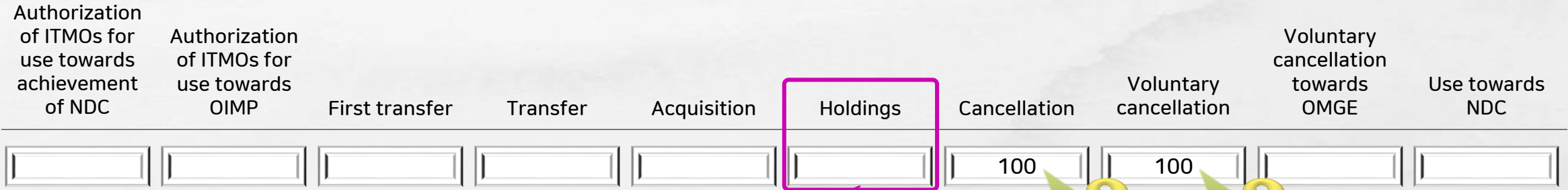
Project title	Landfill gas capture project	Project Number	1234567
Purpose	NDC	Name of OIMP(if applicable)	N/A
Participating Party		First transferring Party	Using Party
	Party Name	Mexico	Republic of Korea
	Party Code	MX	KR
Authorized Entities	Name of Entity		
	OOO		
	XXX		
Project Information	Sector(s)	Energy, Waste	
	activity type(s)	Landfill gas	
Project Period	Start Date	End Date	
	2022-01-01	2027-12-31	
Monitoring Period	Start Date	End Date	
	2022-05-01	2022-12-31	
Mitigation Outcomes	Vintage Year		2022
	Amount of mitigation outcomes generated		100



Automatic generation

Cooperative Approach		Other International Mitigation Purpose		First transferring participating Party		Using participating Party		Authorization of ITMOs for use towards achievement of NDC	Authorization of ITMOs for use towards OIMP	First transfer	Transfer	Acquisition	Holdings	Cancellation	Voluntary cancellation	Voluntary cancellation towards OMGE	Use towards NDC	Ending balance (or Net-flow)
Project title	Project No.	Operating Organization	Mechanism	Party name	Party code	Party name	Party code											
Landfill gas capture project	1234567	N/A	N/A	Mexico	MX	Republic of Korea	KR	100	0	0	0	100	80	0	0	0	20	80
N/A	N/A	ICAO	CORSIA	Republic of Korea	KR	Mexico	MX	0	200	200	0	0	0	0	0	0	0	-200
<b>Total</b>								<b>100</b>	<b>200</b>	<b>200</b>	<b>0</b>	<b>100</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>-120</b>

# 5. Need further clarification

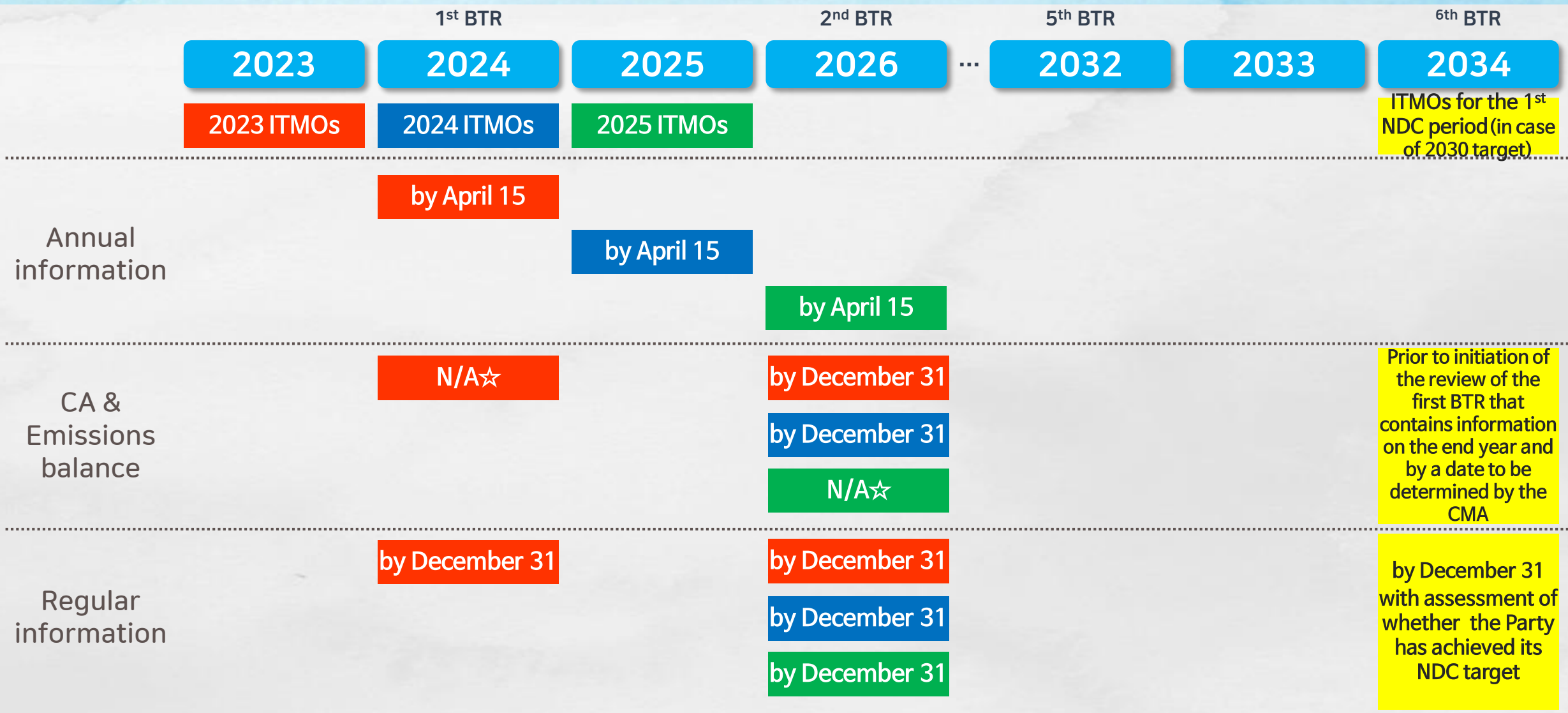


Ending balance?  
Automatic calculation?

100 ITMOs cancelled



# 6. Mind the gap...



☆ need net GHG emissions covered by NDC (Y+2 or 3)