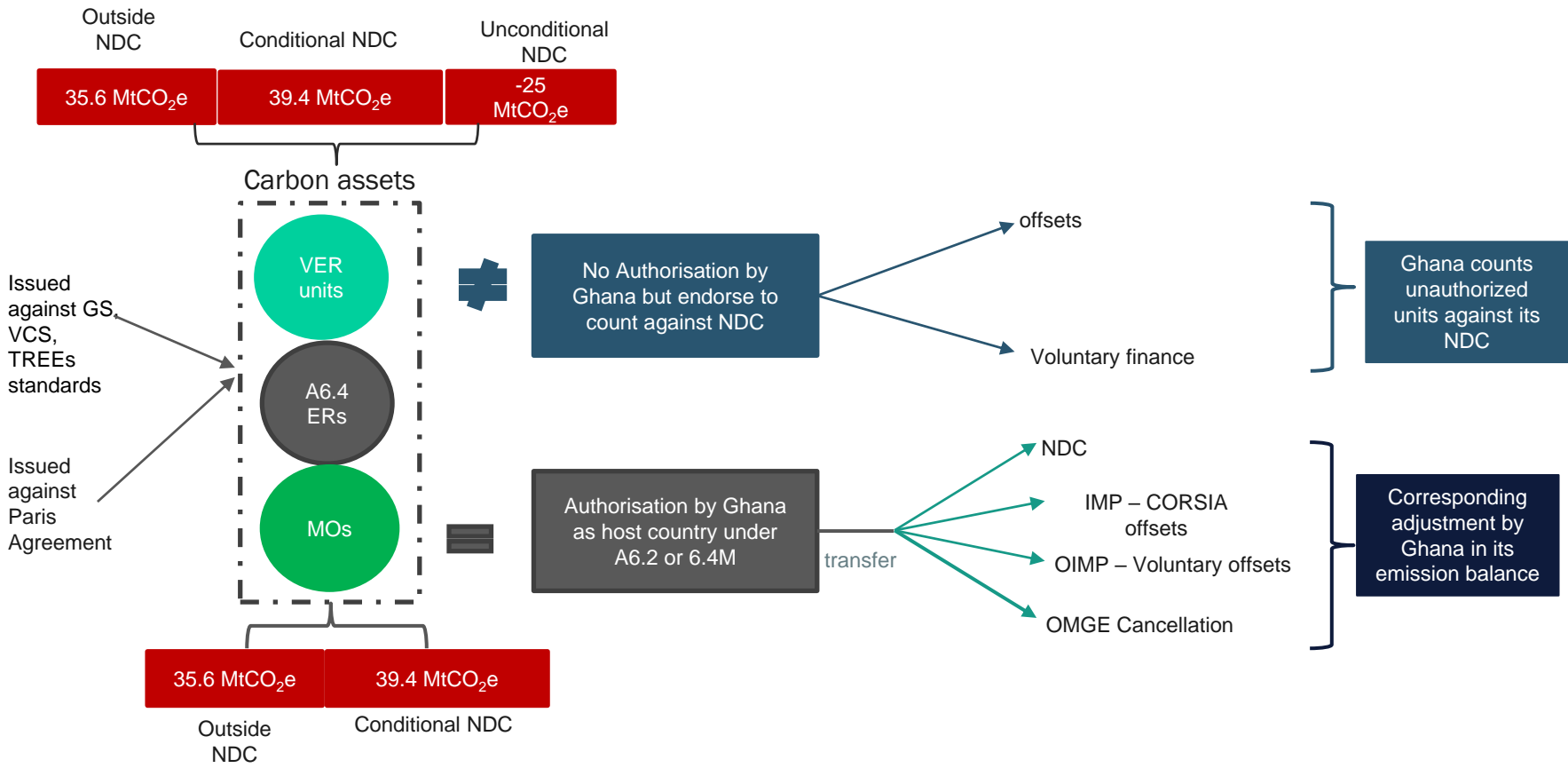# Ghana's carbon registry

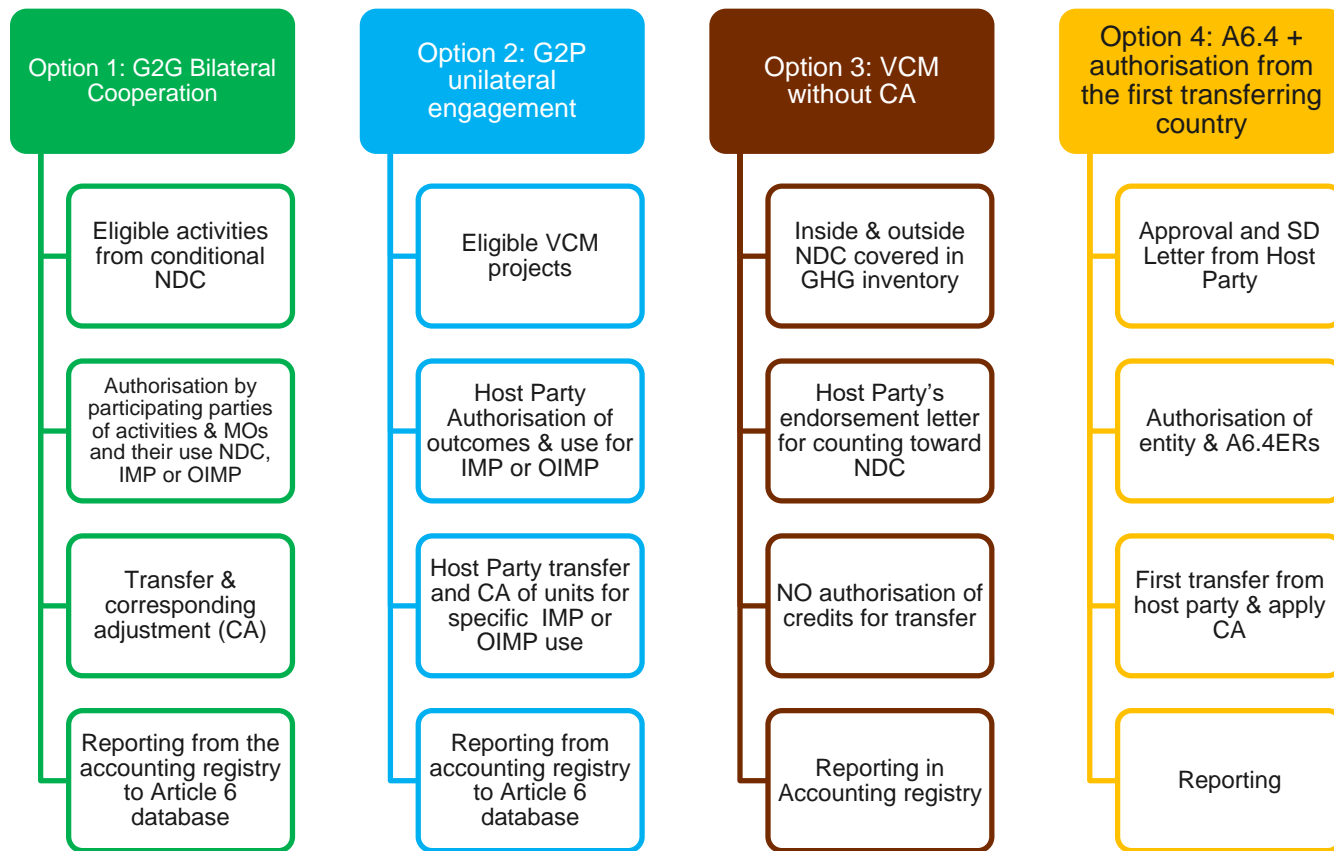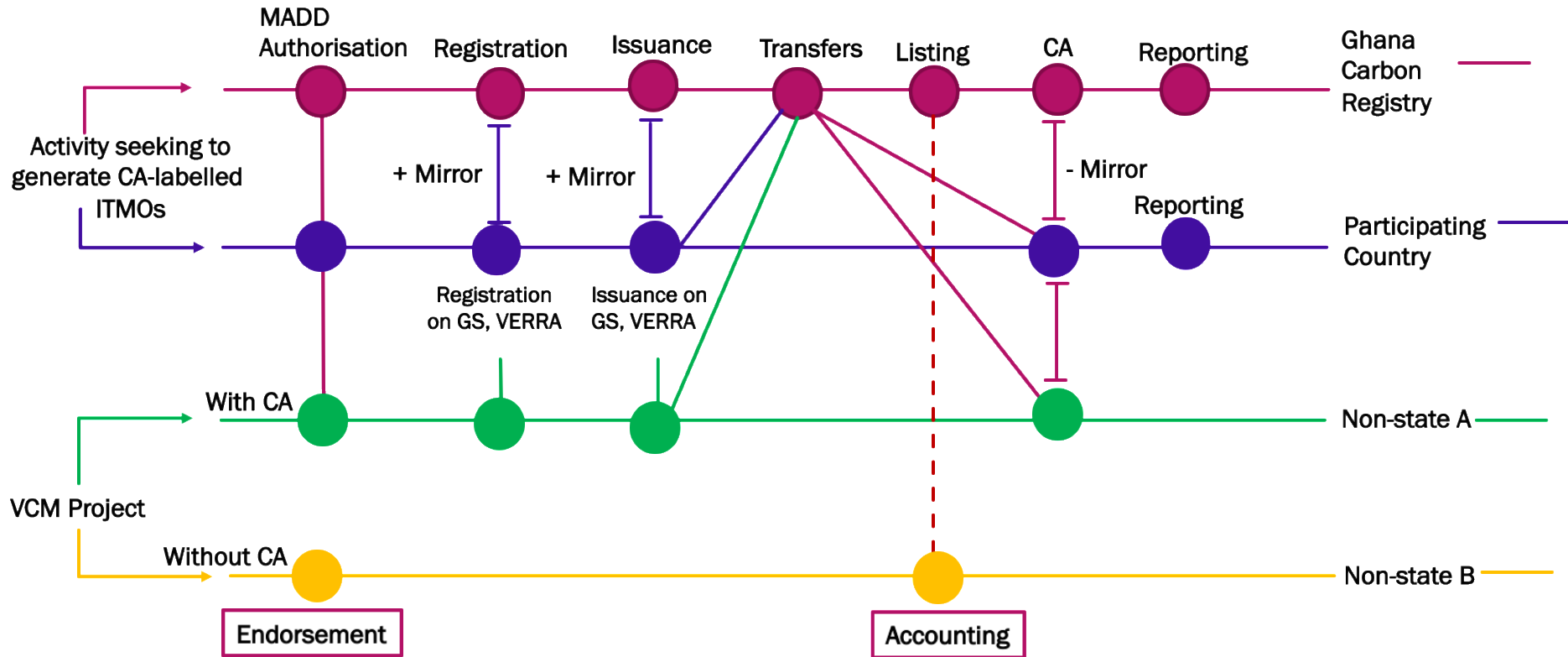## Daniel Benefoh, Ghana - EPA

Outline

- Authorisation options
- Recording & tracking
- Reporting & corresponding adjustment
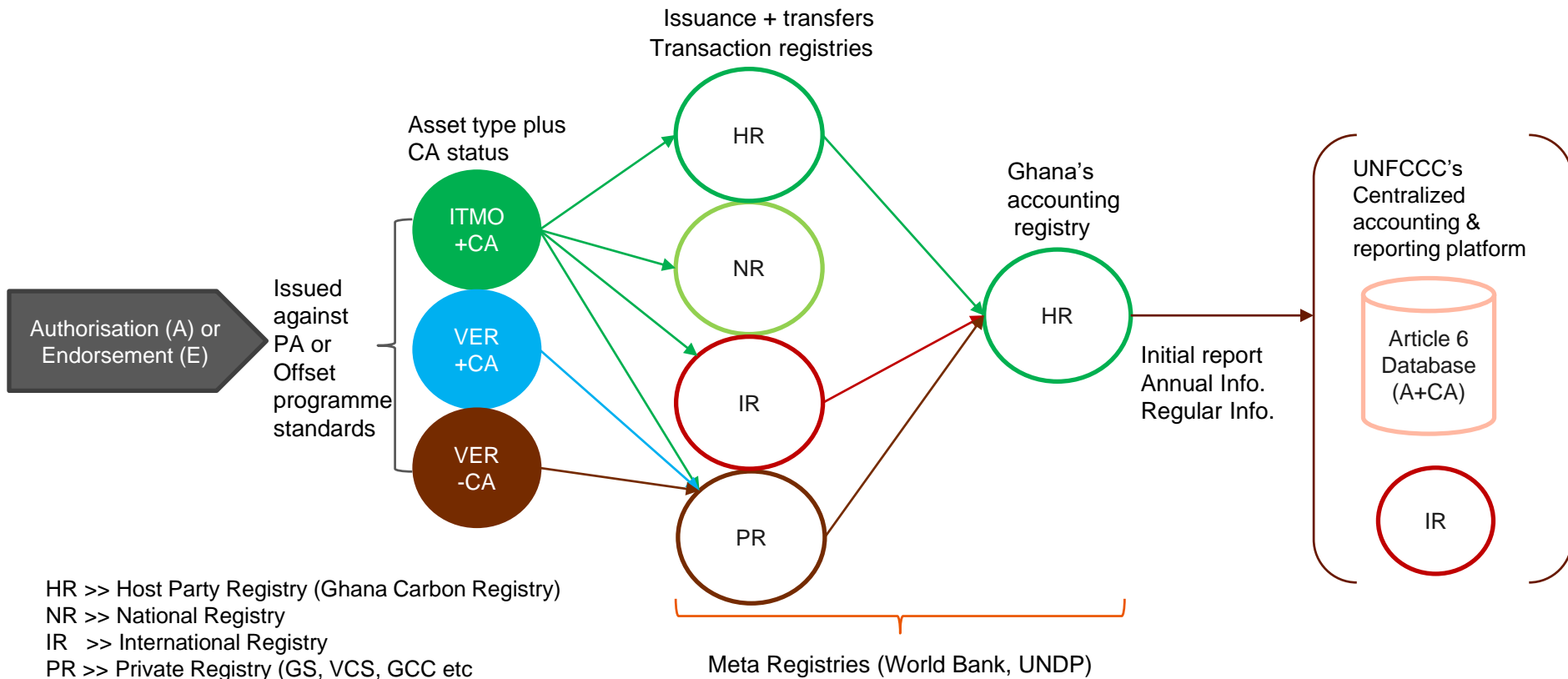
Carbon projects development options - Ghana carbon market framework

Option 1: G2G Bilateral Cooperation	Option 2: G2P unilateral engagement	Option 3: VCM without CA	Option 4: A6.4 + authorisation from the first transferring country
Eligible activities from conditional NDC	Eligible VCM projects	Inside & outside NDC covered in GHG inventory	Approval and SD Letter from Host Party
Authorisation by participating parties of activities & MOs and their use NDC, IMP or OIMP	Host Party Authorisation of outcomes & use for IMP or OIMP	Host Party's endorsement letter for counting toward NDC	Authorisation of entity & A6.4ERs
Transfer & corresponding adjustment (CA)	Host Party transfer and CA of units for specific IMP or OIMP use	NO authorisation of credits for transfer	First transfer from host party & apply CA
Reporting from the accounting registry to Article 6 database	Reporting from accounting registry to Article 6 database	Reporting in Accounting registry	Reporting

Asset transactions + tracking & recording options

Issuance + transfers
Transaction registries

Asset type plus
CA status

Issued against PA or Offset programme standards

Authorisation (A) or Endorsement (E)

ITMO +CA

VER +CA

VER -CA

HR

NR

IR

PR

Meta Registries (World Bank, UNDP)

Ghana's accounting registry

HR

Initial report
Annual Info.
Regular Info.

UNFCCC's Centralized accounting & reporting platform

Article 6 Database (A+CA)

IR

HR >> Host Party Registry (Ghana Carbon Registry)
NR >> National Registry
IR >> International Registry
PR >> Private Registry (GS, VCS, GCC etc

Ghana Carbon Registry

Welcome to the Ghana Carbon Registry

The Ghana Carbon Registry (GCR) is a Voluntary registry that has been established by the Government of Ghana to serve as a database for collecting, verifying, and tracking emissions data from emissions reduction efforts and transactions at the project, programme, corporate or organization levels.
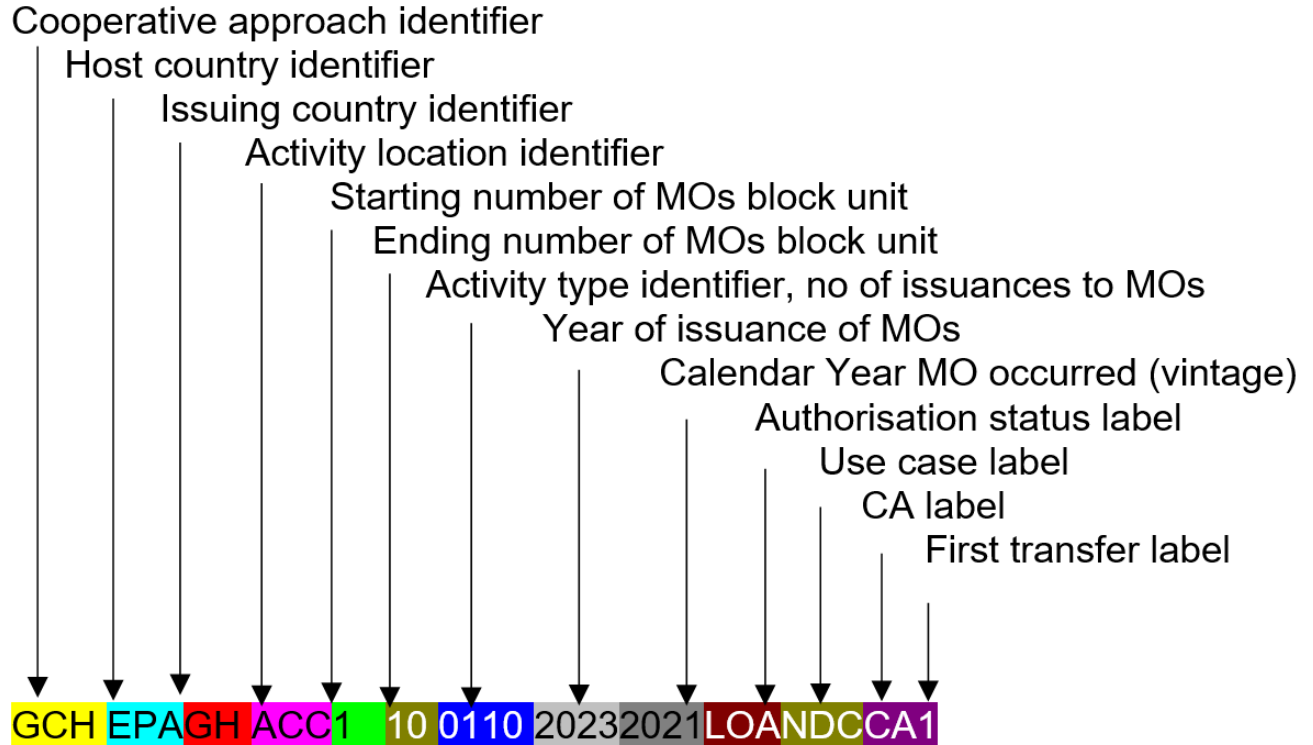
Read more ›

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**Asset serial
number format**

Cooperative approach identifier
Host country identifier
Issuing country identifier
Activity location identifier
Starting number of MOs block unit
Ending number of MOs block unit
Activity type identifier, no of issuances to MOs
Year of issuance of MOs
Calendar Year MO occurred (vintage)
Authorisation status label
Use case label
CA label
First transfer label

GCH EPA GH ACC 1 10 0110 2023 2021 LOAND CCA 1

Reporting information from accounting registry

Year	ITMOs authorised	MOs authorised	First transfer	Successive transfers	Acquisitions	Holdings	Cancellation	Use for NDC	Use for IMP	Use for OIMP
2021	1000	200	800	200	-	200		800	200	
2022	3000	300	2000	1300	-	1500				
2023	5000	400	5400	-	-	-	5400			
2024	6000	1000	7000	-	-	-		3000	3000	1000
2025	10	-	10	-		-				10
2026										
2027										
2028										
2029										
2030										

Summary information
Budget for authorisation: 24 MtCO$_2$e
Quantity authorised: xxxx
Quantity first transferred: xxxx
Quantity first transferred and in use: xxxx
Quantity in holding: xxxx
Quantity cancelled: xxxx
Quantity acquired: xxxx

Use information
Quantity first transferred and use: xxxx
Quantity first transferred for use toward NDC: xxxx
Quantity first transferred for use toward IMP: xxxx
Quantity first transferred for use toward OIMP: xxxx

Examples of the corresponding adjustment reported in BTR

Elements	Units	GHG 2021	Reporting year 2023	GHG 2024	Summary Info
A. Emissions/removals from sectors and GHGs covered by the NDC	tCO$_2$e	1000	1500	5000	
B. Total ITMOs and MOs authorised	tCO$_2$e	200	300	4000	4500
B1. ITMOs first transferred	tCO$_2$e	100	200	3000	3300
B1.1 ITMOs used towards NDC	tCO$_2$e			1000	1000
B1.2 MOs used for IMP or OIMP	tCO$_2$e				
B1.3 MOs cancelled for OMGE	tCO$_2$e				
B2. ITMOs/MOs holdings					
C. Corresponding adjustment per preferred method in Decision 2/CMA.3	tCO$_2$e	1100	1100	1100	3300
G. Emission Balance	tCO$_2$e	1100	1700	8000	

Upcoming work on Ghana Carbon Registry

- Starting work on "registries interoperability guidelines" development
  - Manual connectivity
  - Excel-based
  - API
- Discussion with CAD Trust
- Business plan development for carbon registry operation

Thanks