

# Capacity Building Initiative for Transparency - Global Support Programme (CBIT-GSP): Asia Region

Introduction to the new requirements for reporting national GHG inventories under the Paris Agreement, MPGs and associated flexibility provisions

Jaypalsinh Chauhan
Asia Transparency Network Coordinator
25 April 2024







Flexible timing for developing countries LDCs to submit at their discretion

1997 First NCs from developing countries due and second round of NCs from developed countries

Developed countries submit second round of annual national inventory reports Developing countries do not submit separate inventory reports

2010 All countries to submit NCs every four years

Developed countries also submit biennial report (BR) Developing countries also submit BUR

2015 Parties sign the Paris Agreement and establish the ETF, applicable to all countries

2018 Parties adopt the modalities, procedures and guidelines (MPGs) for the ETF

2024 First biennial transparency report (BTR) is due, replacing the BUR and BR

Reporting flexibilities for developing countries LDCs to submit at their discretion









### Understanding the Paris Agreement

#### **Objective** Strengthen the global response to the CLIMATE CHANGE CRISIS Long-term temperature Climate resilient and low **Financial flows** goal (2°C/1.5°C) emissions development **Action Means of implementation** Capacity-Tech dev. **Finance** Adaptation **Mitigation** & transfer building **Accountability Transparency of** Global stocktake **Facilitating implementation** action and support (ambition mechanism) and promoting compliance

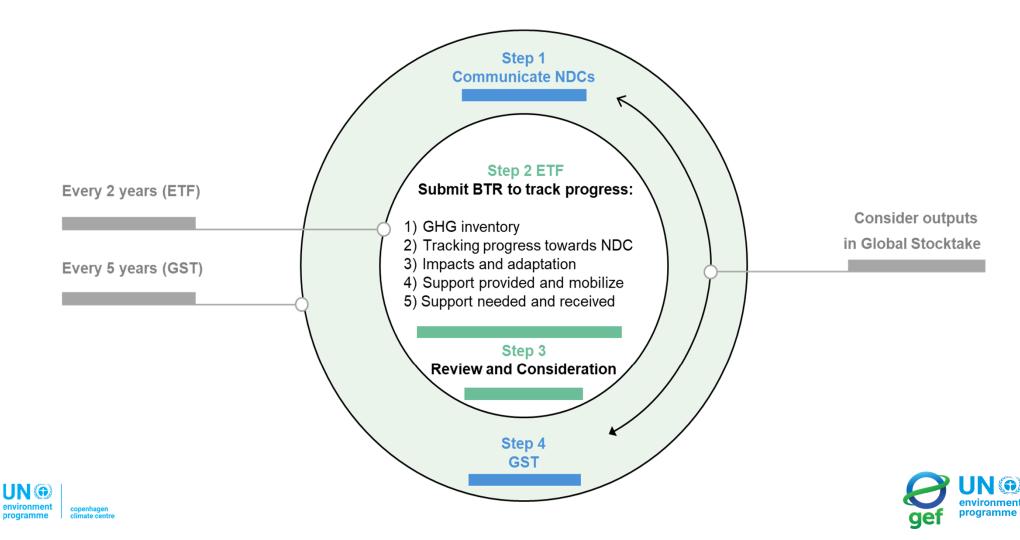
- Article 4 Mitigation/NDC
- Article 7 Adaptation
- Article 9 Finance
- Article 10 Technology development and transfer
- Article 11 Capacity-building
- Article 13 Transparency
- Article 14 Global Stocktake
- Article 15 Compliance







### Paris Agreement – Linking NDCs, ETF and GST





### Fundamentals of Transparency - ETF

Building on and enhancing

Continuous improvement

Different starting points

**Flexibility** 

**Support** 







# Transparency arrangements

Measurement, Reporting and Verification (MRV) under the Convention Enhanced Transparency Framework (ETF) under the Paris Agreement



To communicate the information relevant to the implementation, including on emissions and removals, actions and support;



To provide accurate and reliable data and information;



To build trust and confidence among the Parties;



To promote effective implementation.

And additional benefits including;

- informing domestic policies, plans, strategies and programs;
- improved access to support;
- capacity building;
- political buy-in;
- increased awareness.





# CBIT-GSP ETF vis-à-vis existing MRV arrangements: Reporting themes

Biennial Update Reports BUR	National communications NC	Biennial transparency reports BTR
National greenhouse gas inventory	National greenhouse gas inventory	National greenhouse gas inventory
Mitigation actions and their effects	Programmes containing measures to mitigate climate change	Progress made in implementing and achieving NDCs
	Programmes containing measures to facilitate adaptation to climate change	Climate change impacts and adaptation (as appropriate)
Finance, technology and capacity- building needs	<ul> <li>Transfer of technology</li> <li>Research and systematic observation</li> <li>Education, training and public awareness</li> <li>Capacity-building</li> <li>Information and networking</li> <li>Constraints and gaps, and related financial, technical and capacity-building needs</li> </ul>	Financial, technology transfer and capacity-building support needed and received   Flexibility  Areas of improvement
Cancun Agreements (1/CP.16) and Durban Outcomes (2/CP.17)	Article 4.1 and 12.1 of the Convention; decision 17/CP.8	Article 13 of the Paris Agreement; decisions 18/CMA.1, 5/CMA.3







# Elements of Article 13 of the Paris Agreement

Paris 2015	Katowice 2018		Glasgow 2021	
Enhanced transparency framework (Article 13 of the Paris Agreement)	Modalities, procedures and guidelines (MPGs) (Annex to Decision 18/CMA.1)		Transparency guidance (Decision 5/CMA.3)	
	I. Introduction		Annex IV – Outline of the biennial	
	II. National inventory report		transparency report	
Transparency of action	III. Information necessary to track		Annex I – Common reporting tables	
(Article 13.7 and 13.8)	progress		Annex V – Outline of the national	
	IV. Impacts and adaptation		inventory document	
Transparency of support	V. Support provided and mobilized	( \	Annex II – Common tabular formats	
(Article 13.9 and 13.10)	VI. Support needed and received		Annex III – Common tabular formats	
			Annex VII – Training programme for	
Review and consideration	VII. Technical expert review	$\overline{}$	technical experts	
(Article 13.11 and 13.12)	VIII. Facilitative, multilateral		Annex VI – Outline of the technical	
rce: Oeko-Institut Working Paper	consideration of progress	`	expert review report	



### ETF: Builds on existing MRV arrangements and enhances it

Enhanced transparency MRV arrangements framework (ETF) under under the Convention the Paris Agreement **Biennial Update** Biennial Report - BUR **Transparency Report** Reporting - BTR **Biennial Report - BR** Technical analysis of -**BUR Technical Expert** Review or **Review - TER** Review of BR and analysis **National Communication - NC Facilitative** Facilitative sharing of Multilateral Multilateral views - FSV Consideration of consideration Multilateral **Progress** -**Assessment - MA FMCP** Developing country **Developed country All Parties Parties Parties** 

### Key areas of enhancement

- Establishes common modalities, procedures and guidelines (MPGs) applicable to all Parties with flexibility to those developing countries that need it in the light of their capacities
- Provisions/requirements mostly mandatory ("shall")
- Parties need to (to the extent possible) identify, regularly update, and report on areas of improvement > continuous improvement
- Establishment of Compliance Committee (mechanism to facilitate implementation of and promote compliance) - NDCs, reporting, TER and FMCP, and their relationship to Article 15







### CBIT-GSP Architecture of the ETF

### Reporting

### **Biennial Transparency Report**

- GHG inventory (all shall)
- Progress in NDCs (all shall)
- Adaptation (all should)
- IV. Support provided & mobilized (developed shall)
- V. Support needed & received (developing should)

### Review

### **Technical Expert Review**

- Consistency of information reported
- Consideration of progress with and achievement of NDC
- III. Support provided (developed shall, and other Parties at their discretion)
- IV. Identification of improvements
- Identification of capacity building needs

### Consideration

### **FMCP**

- Online Q&A
- In session presentation and Q&A (all shall)







# Elements of Article 13 of the Paris Agreement

- Paris Agreement adopted on 12.12.2015
- Article 13: Enhanced Transparency Framework established for reporting and review to ensure transparency of action and support
- COP24 (Dec 2018) Adopted detailed set of modalities, procedures and guidelines (MPGs) (18/CMA.1) that makes ETF operational
- COP26 (5/CMA.3) ground for implementing the ETF by all Parties Guidance operationalizing the ETF modalities, procedures and guidelines
  - Common reporting tables (CRTs) for electronic reporting of GHG emissions/removals;
  - Common tabular formats (CTFs) for electronic reporting on progress in NDCs
  - Common tabular formats (CTFs) for electronic reporting of information on financial, technology, capacity support needed, received, provided, mobilized
- 31st December 2024 deadline for submission of 1st Biennial Transparency Report







### Overview of ETF by Article 13 of the PA

Reporting

### All Parties (shall)

- » National greenhouse gas (GHG) inventory report {Article 13.7(a)}
- » Progress made in implementing and achieving nationally determined contribution (NDC) {Article 13.7(b)}

#### All Parties (should, as appropriate)

» Climate change impacts and adaptation (Article 13.8)

### Developed country Parties (shall) and other Parties that provided support (should)

» Financial, technology transfer and capacitybuilding support provided to developing country Parties under Article 9, 10 and 11 {Article 13.9}

#### Developing country Parties (should)

» Financial, technology transfer and capacitybuilding support needed and received under Articles 9, 10 and 11 (Article 13.10)

Technical expert review

### All Parties (shall)

» Undergo technical expert review of information submitted under Article 13.7 (Article 13.11) Developed country Parties (shall) and other Parties that provided support (may)

» Undergo technical expert review of information submitted under Article 13.9 (Article 13.11)

Facilitative multilateral consideration

#### All Parties (shall)

» Facilitative multilateral consideration of progress with respect to efforts under Article 9, and its respective implementation and achievement of its NDCs {Article 13.11}



# Indicative timeline of moving towards the ETF

 $2019 - 2020 - 2021 - 2022 - 2023 - 2024 - 2025 - 2026 - 2027 - 2028 - 2029 - 2030 - 2031 \rightarrow$ 

#### **Developed country Parties**

» Final biennial reports by no later than 31 December 2022

#### **Developing country Parties**

» Final BURs by no later than 31 December 2024

Technical analysis of REDD-plus activities for result-based incentives

#### **All Parties**

- » First BTRs by, at the latest, 31 December 2024 (SIDS and LDCs have discretion)
- » TER (to be initiated immediately following the submission)
- » Facilitative, multilateral consideration of progress (as soon as possible following the publication of the TER report)
- » Flexibility to those developing country Parties that need it in the light of their capacities
- » Facilitating improved reporting and transparency over time

### **Developed country Parties**

- » Annual GHG inventories
- » National communications\*

### **Developing country Parties**

» National communications\*

**Existing MRV arrangements** 

**Enhanced transparency framework** 



### Outline of the BTR

#### **BTR**

**National GHG inventory\*** 

Progress made in implementing and achieving NDCs\*

Climate change impacts and adaptation (as appropriate)

Financial, technology transfer and capacity-building support

Additional information when NCs and BTRs submitted jointly

Flexibility

Improvements in reporting

**ANNEXES** 



copenhagen climate centre

#### **Overview of chapters**

- I. National **inventory** document of anthropogenic emissions by sources and removals by sinks of GHGs (MPGs, para. 17-58)
- II. Information necessary to track progress made in implementing and achieving NDCs under Article 4 of the Paris Agreement (MPGs, para. 59-103)
- III. Information related to climate change impacts and adaptation under Article 7 of the Paris Agreement (MPGs, para. 104-117)
- IV. Information on financial, technology development and transfer and capacity-building support **provided and mobilized** under Articles 9–11 of the Paris Agreement **(MPGs, para. 118-129)**
- V. Information on financial, technology development and transfer and capacity-building **support needed and received** under Articles 9–11 of the Paris Agreement **(MPGs, para. 130-145)**
- VI. Information to be reported **when NCs and BTRs are submitted joi**ntly every four years **(1/CP.24, para. 43)** (vulnerability assessment, cc impacts and adaptation measures-if not reported in section III; RSO; education, training and public awareness)
- VII. Information on **flexibility (MPGs, para. 6)** (Indication of (1) reporting provisions to which self-determined flexibility is applied, (2) capacity constraints in relation to the application of flexibility and (3) self-determined estimated time frames for improvements in relation to those capacity constraints)
- **VIII. Improvements in reporting** over time **(MPGs, para. 7-8)** (areas of improvement, how these will be addressed, which areas are related to flexibility provisions, reporting-related CB support needs)
- IX. Any other information the Party considers relevant to the achievement of the objective of the Paris Agreement, and suitable for inclusion in its BTR

Annexes: (i) Technical annexes for REDD+, as applicable; (ii) CRTs for electronic reporting of NIR; (iii) CTFs for electronic reporting of tracking progress in NDCs, FTC support provided/mobilized and/or needed and received) (iv) Information in relation to the Party's participation in cooperative approaches, as applicable



# CBIT-GSP Outline of the NID

Executive Summary (including six sub-sections)

- National circumstances, institutional arrangements and cross-cutting Information (including nine sub-sections)
- Trends in greenhouse gas emissions and removals (including two sub-sections)
- Energy (CRT Sector 1) (including six sub-sections) 3.
- Industrial processes and product use (CRT sector 2) (including two sub-sections)
- Agriculture (CRT sector 3) (including two sub-sections) 5.
- Land use, land-use change and forestry (CRT sector 4) (including four sub-sections)
- Waste (CRT sector 5) (including two sub-sections) 7.
- Other (CRT sector 6) (if applicable)
- Indirect carbon dioxide and nitrous oxide emissions (related to nonmandatory provisions as per para. 52 of the MPGs) (including six subsections)
- 10. Recalculations and improvements (including six sub-sections)
- Annex I: Key categories (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 25 of the MPGs)
- Annex II: Uncertainty assessment (flexibility provided to those developing country Parties that need it in the light of their capacities as per para. 29 of the MPGs)
- Annex III: Detailed description of the reference approach (including inputs to the reference approach such as the national energy balance) and the results of the comparison of national estimates of emissions with those obtained using the reference approach (related to a nonmandatory provision as per para. 36 of the MPGs)
- Annex IV: QA/QC plan (related to a non-mandatory provision as per para. 35 of the MPGs, with flexibility provided to those developing country Parties that need it in the light of their capacities as per paras. 34–35 of the MPGs)
- Annex V: Any additional information, as applicable, including detailed methodological descriptions of source or sink categories and the national emission balance
- Annex VI: Common reporting tables





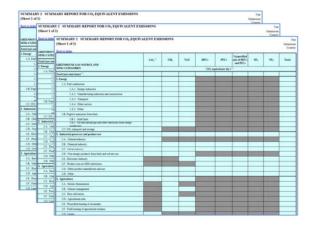


# Common Reporting Tables (CRT)

- Prepared for the electronic reporting of information in the NIR of anthropogenic emissions by sources and removals sinks of GHGs
- Set of MS Excel workbook (containing 60 worksheets) for each reported year
- There are three types of table for each year
  - Sectoral Background Tables (white/orange cells) Need to fill data at this layer
  - Sectoral Report Tables (green cells) Automatically generated
  - Summary Tables/Cross-sectoral Tables (blue cells) Automatically generated

leet 2	-4.0	-	- sectoral approach						,	Country
	TABLE	I A(s) S	ECTORAL BACKGROUND DATA FOR EN	TRGY						Yes
	Faul cas	America	activities - sectoral approach							Baltanione
نين	(Sheet 2	of 40								Courts
		TABLE	LA(a) SECTORAL BACKGROUND DATA F	OR ENERGY						Time
_	Delta to 3	Fuel con	abection activities - sectoral approach							Submissione
Min	CREENIN	(Sheet 2	of 4)							Cooks
			TABLE 1.A(a) SECTORAL BACKGROUND Fael combuction activities - nectoral approach	DATA FOR ENERS						
	LATTO	Zect to 3	(Sheet 2 of 4)							
		CHEENIN	(Staret 2 of 4)							
	_									
		LA2No	CHEENING AS CUS HOUSES THE RAN CYLLOCHES	MOGRECATE MC	BUTTO BATA	1000	ED EMPHASON FACTORS		Districts	Table NV Carr
				Course	Gree -	(0). (13)	CN, 3,0	CO,	CR <sub>k</sub>	NO CO.
				(IA)	303507	1913)	0473	-	90	-
			LAS Manufacturing industries and construction		1	-				
	LAI		Liquid Sorts					_		
	IA.		Sold Sols							
			Course Sals "							
		1A2	Other Social State 12							
			Per "							
			Berney"							
			1.5.24 Stead and and							
			Signif fields							
	1.A.2		Brief Barin							
			Openne fiels **							
		1.83	Other Small Sade "							
			Ped "							
			Section							
			EA26. Non-horses early).							
	-		Ligad fieth							
	TAC		Solid Solic							
			Openna Sala <sup>co</sup>							
		1.6.2	Other Braid Safe <sup>17</sup>							
d		- 100	Fee "							
			Breun."							
=			1.A.Z.s. Chromoth							
-1			Liquid faris					12.		
-1	TAI		Sold Sale:							
			Opening State 17							
		1.8.2	Other Street Starts ***							
		143	Pet 7							
			Some"		-					
			1.4.24 Pdp. paper and print							
		- 1	1.4.24. Poly paper and print							

Markage  Mar	None National									(Sheet 1
Markage  Mar	Sales Co								(Sheet 1 of 1)	CHENN
No.	Total SBG emissio	90 <sub>k</sub>	SMICC	- 60	NO <sub>k</sub>	5,0	CK,	CO <sub>2</sub>	GREENHOUSE GAS SOURCE AND SINK CATEGORIES	LA Feel
1.   1.   1.   1.   1.   1.   1.   1.	CO. exetudrate d				- BC				E-18	LALE
1.   1.   1.   1.   1.   1.   1.   1.	_	_								
1.1.1   1.1.	_	_								1.8.1
1.4.1   1.4.2   1.4.3   1.4.3   1.4.4   1.4.							-			1.8.1
1.1.   1.1.		_	_							1.42.3
1.   1.   1.   3.   3.   3.   3.   3.										LAZ
1.		_	$\overline{}$							LAZ
1.1.   1.1.										14.5
1.1.   1.3.1.   Comment   1.3.										TAS
1.1.1										1.6.3
1.1.1										18.2
MAI										IA3
1.5   1.5										LANT
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.										
A.   A.   A.   Surger on teams	-						-			
										-
									1.A.1 a Deserte ariene	111
1.4.1.   1									1.A.15 First temperation	
1.1.1										
1.1.1 Chi response   1.1.1 C										
									LA.14 Obe tempotice	
March   1.1.1.4. Communications										
									S.A.Fa. Commont sorterional	
1.4.4 Against Norm Sing									1.5.45 Ensheld	14.1
A.A. Out   A.A. Out									LA.4.s. Agriculture Sensory Stating	
1									LAX Other	
1.8.1 LA.1 b blade  1.8. Taglifer excitoise free feels  1.9. La. Taglifer excitoise free feels									LA.1a Stationery	
13. Tagitte recision has both									1.A.19.50min	
					-				LB. Fagitive emircion: from facil:	
181 Sold Seb									1.8.1. Noted Sector	181
1.5.1.a Cool assing and handley									181s Cod sense and harding	



Sectoral Background Tables

**Sectoral Report Tables** 

Summary / Cross-sectoral / Trends Tables



environment copenhago programme climate ce



# CBIT-GSP Index of common reporting tables (CRT)

Table1	
Table1.A(a)s1	
Table1.A(a)s2	
Table1.A(a)s3	
Table1.A(a)s4	
Table1.A(b)	E
Table1.A(c)	Energy
Table1.A(d)	
Table1.B.1	
Table1.B.2	
Table1.C	
Table1.D	
Table2(I)	
Table2(I).A-H	
Table2(II)	$\mathbf{IPPU}$
Table2(II)B-Hs1	
Table2(II)B-Hs2	
Table3	
Table3.A	
Table3.B(a)	
Table3.B(b)	
Table3.C	Agriculture
Table3.D	
Table3.E	
Table3.F	
Table3.G-J	

Table4	
Table4.1	
Table4.A	
Table4.B	
Table4.C	
Table4.D	
Table4.E	LULUCF
Table4.F	Lollock
Table4(I)	
Table4(II)	
Table4(III)	
Table4(IV)	
Table4.Gs1	
Table4.Gs2	
Table5	
Table5.A	
Table5.B	Waste
Table5.C	
Table5.D	
Summary1	
Summary2	<b>Summary Tables</b>
Summary3	

<u>Table6</u> <u>Table7</u>	Cross Cutting (Key
Table8s1	Category,
Table8s2	Recalculation)
<u>Table9</u>	
Table10s1	
Table10s2	
Table10s3	Trend Tables
Table10s4	Trend Tables
Table10s5	
Table10s6	
Flex Summary	Flexibility
riex_Summary	Provisions







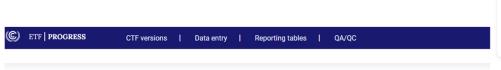
- "NO" (not occurring) for categories or processes, including recovery, that do not occur within a country.
- "NE" (not estimated) for activity data and/or emissions by sources and removals by sinks of GHGs that have not been estimated but for which a corresponding activity may occur within a country; Where "NE" is used by a country to report emissions or removals of CO2, N2O, CH4, HFCs, PFCs, SF6 or NF3, the country must indicate in both the NID and the CRT 9 why such emissions or removals have not been estimated.
- "NA" (not applicable) for activities under a given category that do occur within the country but do not result in emissions or removals of a specific gas; If the cells for categories in the CRT for which "NA" is applicable are shaded gray they do not need to be filled in.
- "IE" (included elsewhere) for emissions by sources and removals by sinks of GHGs estimated but included elsewhere in the inventory instead of under the expected category. Where "IE" is used, the country should indicate, in CRT 9 where in the inventory the emissions or removals for the displaced source or sink category have been included and explain the deviation.
- "C" (confidential) for emissions by sources and removals by sinks of GHGs where the reporting would involve the disclosure of confidential information.
- "FX" (flexibility) for cells where data is not available or reported because of a flexibility provision applied by a country that needed flexibility in the light of its capacity



### Homepage -

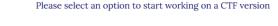
https://apps.unfccc.int/home

Use any internet browser (e.g., Firefox, Edge, Chrome, or Safari) on your PC.



© ETF | TOOLS













- **Understanding the Framework**: Familiarize yourself with the Enhanced Transparency Framework (ETF) requirements to enhance transparency in reporting greenhouse gas emissions.
- **Data Collection and Reporting**: Ensure accurate and comprehensive data collection from various sectors to report on all sources and sinks of greenhouse gas emissions in your country.
- Quality Assurance and Quality Control: Implement robust quality assurance and quality control processes to validate the
  accuracy and reliability of the reported data.
- Sectoral Guidance: Follow sector-specific guidance provided by the ETF to ensure consistency in reporting across
  different sectors of the economy.
- Capacity Building: Invest in capacity building initiatives to train staff members involved in preparing national greenhouse gas inventories, ensuring they have the necessary skills and knowledge.
- **Stakeholder Engagement**: Engage with stakeholders, including government agencies, private sector entities, and civil society organizations, to promote transparency and inclusivity in the inventory preparation process.
- Documentation and Reporting Tools: Utilize appropriate documentation and reporting tools recommended by the ETF to
  facilitate the preparation of national greenhouse gas inventories.
- Peer Review and Feedback: Seek peer review and feedback from experts in the field to improve the quality and accuracy
  of the inventory before submission.
- **Continuous Improvement**: Embrace a culture of continuous improvement by learning from past reporting experiences and incorporating best practices into future inventory preparation processes.
- Compliance and Deadlines: Adhere to compliance requirements and meet deadlines to demonstrate your commitment to transparency and accountability in reporting greenhouse gas emissions.





Welcome to the Climate Transparency Platform

LEARN MORE

# Thank you for your attention!



### Please reach out to us for any question, comments or suggestions!



CBIT-GSP
Asia Network Coordinator

Jaypalsinh CHAUHAN jaypalsinh.chauhan@un.org



CBIT-GSP Global Coordinator

Fatima-Zahra TAIBI fatima-zahra.taibi@un.org



CBIT-GSP Project Officer

Susanne KONRAD susanne.konrad@un.org



CBIT-GSP Transparency Adviser

Khetsiwe KHUMALO khetsiwe.khumalo@un.org



CBIT-GSP Project Officer

Juliette LUNEL juliette.lunel@un.org







copenhagen climate centre