22nd Workshop on GHG Inventories in Asia (WGIA22)

Outline of the UNFCCC reviews process under the Paris Agreement



Vitor Góis Ferreira 17 July 2025



Outline

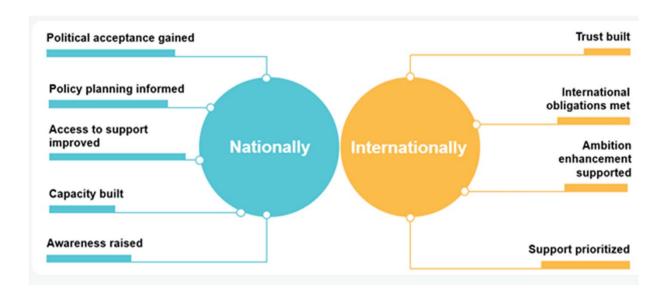


Standard operation procedures for the review of BTR1 GHG National inventory reports Support and tools Knowledge hubs and best practices Status of submissions and reviews Becoming a review expert

Transparency



- Transparency, or Article 13 of the Paris Agreement, is the natural development of the Measurement, Reporting and Verification (MRV) under the UNFCCC and KP
- Transparency refers to reporting and review of relevant climate information
- It enables the availability of regular data on GHG emissions, policies and measures, progress towards targets, climate change impacts and adaptation, levels of support and capacity-building needs
- Transparency is key to building mutual trust and confidence among Parties
- It enables a global conversation about progress is been made
- It allows the global community to observe if collective efforts are meeting expectations

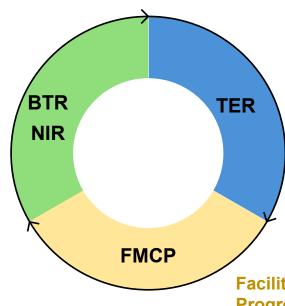


Review process under Article 13 of the Paris Ag.



Biennial Transparency Report (BTR) and National Inventory Reports (NIR)

- GHG inventory (all shall)
- Progress in NDCs (all shall)
- Support provided / mobilized (developed shall)
- Support needed / received (developing should)
- Adaptation (all should)
- Annex on REDD+ (some)
- The NIR can be submitted as a stand-alone document



Technical Expert Review

- Consistency of information reported
- Consideration of progress with and achievement of NDC
- Support provided (developed shall, and other Parties at their discretion)
- Support needed and received: NOT REVIEWED

Outcome

- Identification of improvements
- Identification of capacity building needs

Facilitative Multilateral Consideration of Progress

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





Reporting: BTRs and NIRs

Outline of the BTR

Additional information

when NCs and BTRs

submitted jointly

(every 4 years)



Chapter II: Progress Chapter III: Climate Chapter V: Financial, Chapter I: National made in implementing change impacts and technology, and capacity-Thematic chapters **GHG** inventory and achieving NDCs adaptation building support (shall) (should) (should) (shall) Additional Information on application of flexibility previsions areas, as Areas of improvements in reporting over time applicable Information on CTFs for Technical annexes CRTs for CTFs for Annexes, as participation in progress in for REDD+ NIR* applicable FTC NDCs* cooperative approaches

Research and

systematic

observation

Vulnerability assessment, climate

change impacts and adaptation

measures - if not reported in BTR

For the BTR outline, see decision 5/CMA.3, Annex IV.

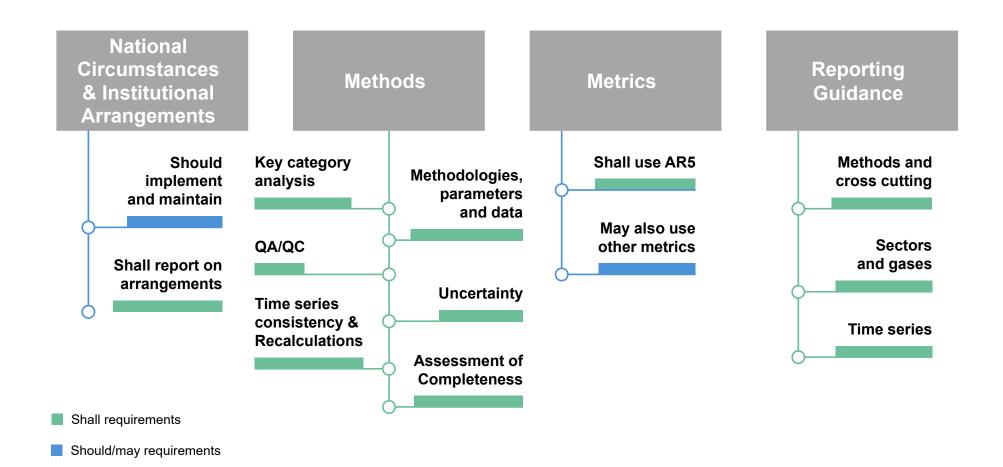
Education, training

and public

awareness

MPGs: obligations for National Inventory Reports





MPGs: NIR: sectors and gases, years, territorial coverage





• Shall **report estimates for all gases and carbon pools** on a gas-by-gas basis in units of mass, and also **common metrics (AR5 GWP)**



• Shall **report seven gases** (CO2, CH4, N2O, HFCs, PFCs, SF6 and NF3 – Flexibility: report CO2, CH4 and N2O, and gases included in the NDC, covered by an activity under Article 6 or have been previously reported;



 Party reporting HFCs, PFCs, SF6 and NF3 shall report actual emissions disaggregated by chemical (e.g. HFC-134a)



• Shall report estimates of anthropogenic emissions for energy, IPPU, agriculture, LULUCF and waste sectors; For all categories at the most disagregated level



 Parties reporting indirect CO2, shall present national totals (ie. one value for the whole territory)



 Party shall report a consistent annual time series starting from 1990. The latest reporting year shall be no more than two years prior to the submission date

Review Guidance to support reviews



Decision 18/CMA.1

Modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement

The Conference of the Parties serving as the meeting of the Parties to the Partis

Recalling the Paris Agreement, adopted under the Convention, in particular Article 2, paragraph 2, and Article 13, including paragraphs 1, 14 and 15, Also recalling decision 1/CP 21.

Recogniting that the Capacity-building Institutive for Transparency, established pursuant to decision ICP21, paragraph 54, will continue to support developing country Parties, upon request, to build their institutional and technical capacity, both pre- and post-2020.

- Adopts, pursuant to Article 13, paragraph 13, of the Paris Agreement, the modalities, procedures and pushelines for the transparency framework for action and support (hereinafter referred to as the modalities, procedures and guidelines) contained in the annex;
- 2. Zequestre the Subsidiary Body for Scientific and Technological Advice to undertake the first review and spides, as spresponse of the moduline, procedure and quicklens to manifolders of the moduline procedure and quicklens to manifolders of conference of progress, and device that motorogene reviews and updated to the moduline and another than the procedure of the Parties serving as the senting of the Parties to the Partie, Technological and the procedure of the Parties.
- Decider that Parties shall submit their first binnial transparency report and national inventory report, if submitted as a stand-alone report, in accordance with the modalities, procedures and guidelines, at the latest by 31 December 2024;
- Also decides that the least developed country Parties and small island developing.
 States may submit the information referred to in Article 13, paragraphs 7, 8, 9 and 10, of the Paris Agreement at their discretion;
- Jewiner Parties and, as appropriate, intergovernmental organizations to nominate technical experts with the relevant qualifications to the UNFCCC roster of experts as refused to in chapter VIII of the armer;
- Requests the secretarist, in addition to the actions specified in the modulities, procedures and guidelines, to:
- (a) Produce synthesis reports on Parties' bienzial transparency reports and national inventory reports;
- (e) Publish Parties' bisemial transparency reports and national inventory reports, if submitted as a stand-alone report, the technical expert review reports, and the records of Parties' facilitative, multilateral consideration of progress on the UNFCCC website;
- Result: that, in accordance with Article 13, paragraphs 14 and 15, of the Paris
 Agreement, support shall be provided to developing country Parties for the implementation
 of Article 13 and for the building of transparency-selated capacity of developing country

Decision 18/CMA.1 and its annex - MPGs

Decision 5/CMA.3 Operationalizing MPGs

Decision 5/CMA.3

Guidance for operationalizing the modalities, procedures and guidelines for the enhanced transparency framework referred to in Article 13 of the Paris Agreement

Further recalling the annexes to decisions 17/CP.8, 2/CP.17, 24/CP.19, 13/CP.20, 9/CP.21 and 6/CP.25, and decision 1/CP.24, paragraphs 39-46,

Recalling Article 13, paragraph 2, of the Paris Agreement and decision 1/CP.21, paragraph 59. Alto recalling the guiding principles referred to in decision 18-CMA-1, annex, paragraph 3,

paragraph.

Further receiling Article 13, paragraphs 14–15, of the Panis Agreement, according to which support thall be provided to developing country Parties for the implementation of Action 13 of the Panis Agreement and for the building of transparency-related capacity of developing country Parties on a continuous basis.

Recalling decision [CP,24] paragraph 43(a), according to which Parties may subusit that antonal communication and beneral transparency report as a single report in accordance with the modalinies, procedure and guidelines included in the ansects observed in 18 CMA.1 for information also covered by the authoral communication reporting guidelines contained in an applicable, doctional CPCF5 and TPCF5.

(c) The common tobule formats referred to in charters VAVI of the annex to decision ISCAMA for the electronic recording of the information on financial sechnology devicements and notification of the information on the contract of the information on the information on the information of the Paris Agreement, an contained in names III,

(d) The outlines for the biennial transparency report, national inventory document and technical expert review report pursuant to the annex to decision 18 CMA. 1, as contained in annexes IV, V and VI, respectively;

(e) The training programme for technical experts participating in the technical extreview of biennial transparency reports, as contained in annex VII;

2. Encourage: Parties to prepare their biennial transparency report and national inventory document in accordance with the outlines contained in americs IV and V, necessitively.

Decides that technical expert review teams will follow the technical expert review record outline contained in annex VI:

TCCC/FA/CMA/2022/16/A64.2

Reviews on a voluntary basis of the information reported pursuant to decision 18/CMA.1, annex, chapter IV, and respective training courses needed

The Conference of the Parties serving as the meeting of the Parties to the Parts

Recoiling Article 13 of the Paris Agreement,

Also recoiling doctions 18-CMA-1 and sames, and doctions 5-CMA-3 and sameses TV and VVI.

Accepting that flexibility for those developing country Pierties that need it in the light of their copacities is reflected in the modalities, procedures and publishes for the transportment of the action and support selected in a Article 13 of the Pieri Aprenium, contributed in the names to decision IECMA.

Further recognizing the important role that voluntary reviews could play in facilitating the sharing of experience and best practices related to reporting such information.

Also decides that the voluntary review, taking into account decision 18/CMA.1, nanex, paragraphs 147-149, consists of.

Other guidance

- Convention
- Paris Agreement
- Dec 1/CP.24
- BTR 1st LR meeting
- **Code Confidential information**
- Review Handbook
- 2006 IPCC Guidelines
- 2019 Refinement
- Wetlands supplement
- Training materials (pdf copies)

Decision 9/CMA.4 Voluntary Review

GHG National Inventories under the Paris Agreement



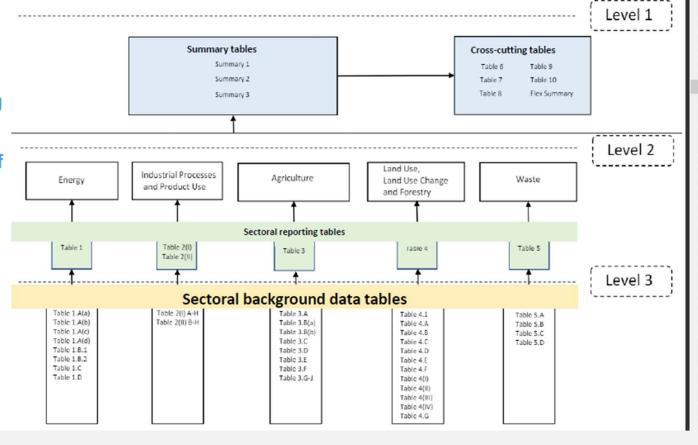
- MPGs (para. 20): Each Party shall use the 2006 IPCC Guidelines, and shall use any subsequent version or refinement of the IPCC guidelines agreed upon by the Conference of the Parties serving as the meeting of the Parties to the Paris Agreement (CMA). Each Party is encouraged to use the 2013 Supplement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories: Wetlands
- Dec. 5/CMA.3: (para. 28): Notes that Parties may use on a voluntary basis the Intergovernmental Panel on Climate Change 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories



Decision 5/CMA.3 – Annex I



ctrs for the electronic reporting of the information in the national inventory reports of anthropogenic emissions by sources and removals by sinks of greenhouse gases





CRT tables: emissions and Activity Data (AD)

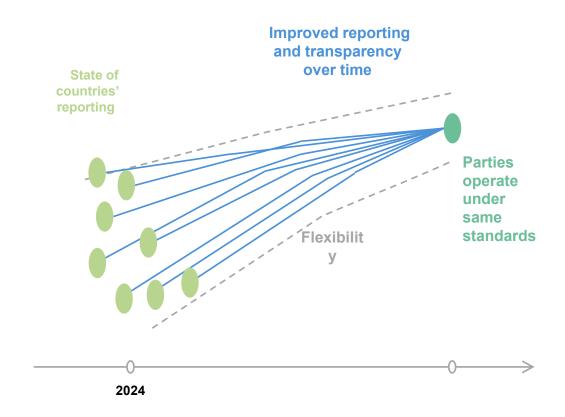


Enteric Fermentation					_		AEN-CRT-2024-V0.4
(Sheet 1 of 1)							Vant
Back to Index							
GREENHOUSE GAS SOURCE AND SIN CATEGORIES	2	AC	IMPLIED EMISSIC FACTORS	V	EMISSIONS		
		Population size (1) (1000s)	Average gross energy intake (GE) (MJ/head/day)	Average CH ₄ conversion rate (Y _m) ⁽²⁾ (%)	CH ₄ (kg CH ₄ /head/yr)		CH ₄ (kt)
3.A.1. Cattle		21 653.60				.87	733.4
Option A:							
3.A.1.a. Dairy cattle		5 112.34	NA	NA		3.17	220.7
3.A.1.b. Non-dairy cattle		16 541.26	NA	NA		1.00	512.7
3.A.2. Sheep		25 345.93				5.00	126.7
3.A.2.a. Other (please specify)		25 345.93				5.00	126.7
All sheep [IPCC Software 3.	1.c]	25 345.93	NA	NA		5.00	126.7
3.A.3. Swine		649.27				1.50	0.9
3.A.3.a. Other (please specify)		649.27				1.50	0.9
All swine [IPCC Software 3 A.:	1.h]	649.27	NA	NA		1.50	0.9
3.A.4. Other livestock ⁽⁴⁾		99 087.32			4	4.11	407.2
3.A.4.a. Buffalo		NO	NA	NA		NO	NO
3.A.4.b. Camels		4 669.74	NA	NA		5.00	214.81
3.A.4.c. Deer		NO	NA	NA		NO	NO
3.A.4.d. Goats		36 021.18	NA	NA		5.00	180.1
3.A.4.e. Horses		NE	NA	NA		NE	N
3.A.4.f. Mules and asses		1 234.63	NA	NA		0.00	12.3
3.A.4.g. Poultry		57 161.78	NA	- al		NE	N

ETF: Flexibility and Facilitating Improved Reporting over Time



- To build mutual trust and confidence and to promote effective implementation, ETF builds-in flexibility taking into account Parties' different capacities and builds upon collective experience is hereby established (Article 13.1)
 - Self determined, by those developing countries that need it in the light of their capacities
 - The MPGs specify the flexibility that is available
 - A Party shall clearly indicate it's use of a flexibility
 - A Party's choice to apply flexibility not subject to review (MPG, para. 6)
- Each Party should, identify, regularly update, and report in its BTR areas of improvement for its reporting, including as applicable (MPGs, para. 7)
- Parties domestic plans and priorities for improved reporting not subject to review, but may inform capacity building needs (MPGs, para. 8)
- Support shall be provided to developing country Parties for the implementation of Article 13 and for building transparencyrelated capacity (MPGs, para. 9)





Review

Overview of the technical expert review



Mandate:

Modalities, Procedures and Guidelines for the transparency framework for action and support (MPGs), decision 18/CMA.1, Annex, paras. 146-188

Information to be reviewed:

National inventory report; Information necessary to track progress made in implementing and achieving NDC; Information on support provided to developing country Parties, Climate Impacts and Adaptation (voluntary)

Roles and responsibilities:

- Party cooperate with the technical expert review team (TERT) and the secretariat, provide responses to questions, additional information and comments to the draft review reports
- TERT conduct the review in accordance with the MPGs; lead reviewers oversee the work of TERT and ensure the quality and objectivity of the review
- **Secretariat** organize and coordinate the review, facilitate communication between the Party and the TERT, and processing of the reports



Types of reviews



Туре	Description	Frequency		
In-country review (ICR)	A single technical expert review team (ERT) visits a host country to conduct a review of the Party's submission and observe institutional arrangements in real time	Required for a Party twice in a 10-year time period, including for the review of the first BTR (with flexibility), the review of any BTR where a Party provides information on achievement of its NDC, and if a previous technical ERT or the Party requests such a review.		
Centralized review (CR)	Technical ERT convenes in one place and reviews BTRs of several Parties	All other reviews that do not meet the requirements for an ICR, or for a which a DR is not undertaken		
Desk review (DR)	Technical ERT members review one or more BTRs from home location.	No more than once every 5 years		
Simplified review	The BTR is reviewed by the secretariat (not a technical ERT) in a more simplified manner through a series of checks developed with the lead reviewers	This type of review applies only to the review of GHG inventories submitted by developed countries in years in which a BTR is not due		

How a technical expert review is implemented





Key principles of TER:

- Non-intrusive
- Non-punitive
- Respectful of national sovereignty
- Avoiding placing undue burden on Parties
- Pay particular attention to the respective national capabilities and circumstances of developing country Parties



TER will not:

- Make political judgements
- Review the adequacy or appropriateness of NDC and indicators
- Review the adequacy of domestic actions
- Review the adequacy of support provided
- Review the determination to apply flexibility provided in MPGs

How a technical expert review is implemented (2)





From a practical perspective:

- The TERT undertakes a detailed technical examination of the information provided in the BTR and NIR
 in an open and facilitative manner
- The TERT raises questions to or request additional or clarifying information from the Party before and/or during the review week regarding identified issues
- The Party shall make every reasonable effort to provide requested information in a substantive and timely manner
- The TERT shall communicate to the Party draft areas of improvement (recommendations and encouragements) and any capacity-building needs identified in consultation with the Party by the end of the review week

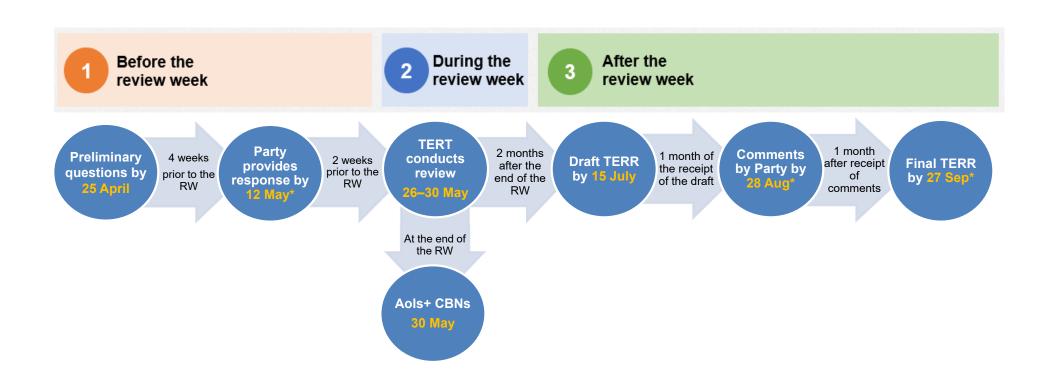


From a practical perspective:

- The TERT shall prepare a draft Technical expert review report (TERR) including an Addendum with areas of improvement and send it to Party for comments
- The TERT shall prepare the final version of the TERR, taking into account any comments by the Party
- TERR will be publicly available at the UNFCCC website www.unfccc.int

Timelines for a review (e.g. review week 26 May)





^{*} Flexibility provisions may apply

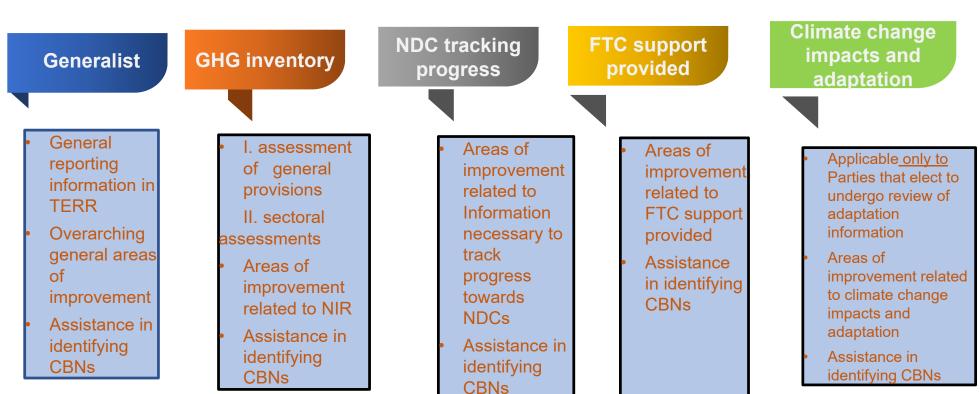
Monday Tuesday Wedesnday Thursday Friday Introduction to the reveiw NDC target, targets LULUCF **CC impacts and Adaptation** Bilaterals, as necessary **TERT: drafting AoIs+ CBN TERT: drafting AoIs+ CBN** Bilaterals, as necessary outcomes **Presentation of Review Draft** Waste Energy & IPPU **NDC tracking progress** Bilaterals, as necessary Bilaterals, as necessary **TERT: drafting AoIs+ CBN TERT: drafting AoIs+ CBN TERT: drafting AoIs+ CBN** Bilaterals, as necessary Consult. with Kenya **TERT: AoIs+ CBN** Bilaterals, Agricul. **TERT: daily wrap-up meetings**



Review checklists

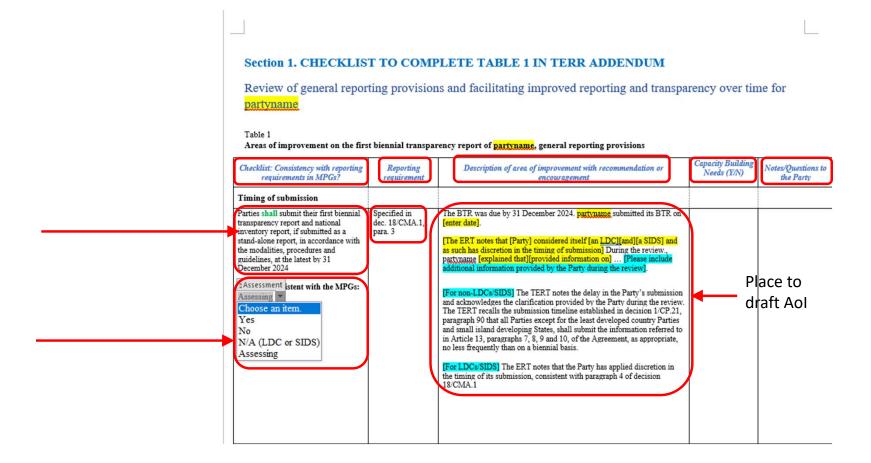


- A tool to help the TERT assess consistency with the MPGs
- Comprises of five individual checklists



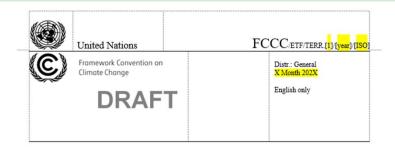
Review checklists: structure and functionalities





Review reports: two components





Report on the technical expert review of the first biennial transparency report of Partyname

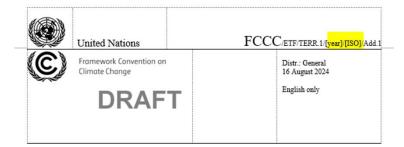
Summary

This report presents the results of the technical expert review of the first biennial transparency report of parter-present-parter-present-parter-present-parter-present-parter-

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Main report

- Summary tables on areas of improvement,
- Consideration of progress with NDCs and of FTC support provided
- Prioritized list of CBNs
- [Annex on voluntary review of adaptation]



Annex

Report on the technical expert review of the first biennial transparency report of Partyname

Addendum

Summary

This addendum to the report on the technical expert review of the first biennial transparency report of Partyname, conducted by a technical expert review team in accordance with the modalities, procedures and guidelines for the transparency framework for action and support referred to in Article 13 of the Paris Agreement, contains the results of the review of the consistency of the information submitted by the Party with those modalities, procedures and guidelines, and presents capacity-building needs identified by the Party and by the technical expert review team in consultation with the Party during the review. The review took place from \$\frac{1}{2} \text{ for \$\mathbb{N}\$ to \$\mathbb{N}\$ t

Addendum

- Assessment tables with areas of improvement
- Complete list of CBNs

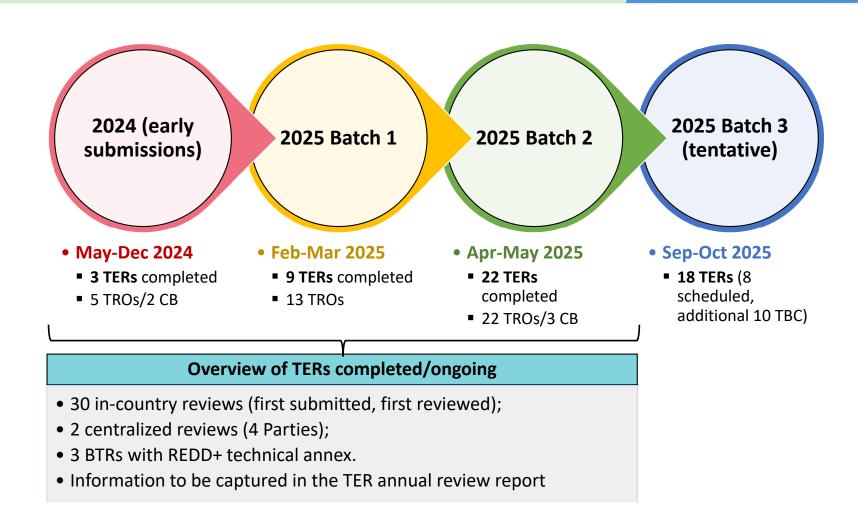


BTR Submissions

Total Number of Parties	SIDS/LDCs with submissions (with BTR)		
with at least 1 type of record	110	SIDS	9 (9)
with BTR	103	LDCs	7 (7)
with NID	85		
with CRT (incl. JSON)	90 (50)		
with CTF-NDC (incl. JSON)	87 (33)		
with CTF-FTC (incld. JSON)	69 (22)		
Submission shares per Region (Total Parties)		Ratio within Region	
Africa	19 (54)	35.19%	
Asia and the Pacific	23 (58)	39.66%	
Eastern Europe	20 (23)	86.96%	
Latin America and the Caribbean	19 (33)	57.58%	
Western Europe and Others	29 (30)	96.67%	

2024-2025 plan for technical expert reviews (TER) of BTR1





Key benefits of the BTR reporting and review





- The review process produces an independent assessment of the BTRs, supporting the accountability of Parties
- The review report informs the global community on progress made towards commitments under the Paris Agreement and the Convention
- Reviewing BTRs and NIRs is also a capacity-building and learning process for the country, helping establishing national processes, systems and tools
- The review process enhances the understanding of domestic climate actions, both mitigation and adaptation, the efforts to reach targets and transparency obligations
- The review process strengthens institutions and builds capacities of national experts. Through participation in the review process, experts gain access to best practices, innovative solutions, and lessons learned from other Parties and experts with different experiences

Why should I get involved as an expert





OCCUPY Mires Travel and meet other countries and teams

Learn what other countries are doing for climate change

Learn new skills to advance your career

Get Involved

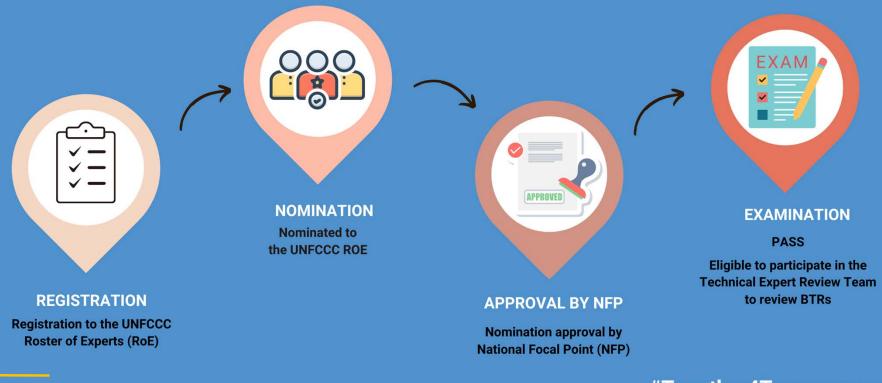
Expand your network and meet new colleagues from around the world

Better knowledge on capacity building needs

Apply your experience for the benefit of other countries

Certification process

Steps to become eligible as a member of the TER team





Note: The retake of the examination of the same course will be limited to TWO.

#Together4Transparency

Training programme available

BTR Review Training Programme

- A. General and cross-cutting aspects for the technical under the enhanced transparency framework upd
- B. Greenhouse Gas Inventory
- racking with open access, and and and all courses are online with open acced and and all courses are online with open acced and and all courses are online with open acced and and all courses are online with open acced and and all courses are online with open acced and and all courses are online with open acced and all courses are online with a course are online with downloadable, self-paced, and include practical exercises C. Tracki evelopment and transfer and capacity

mate change impacts and adaptation reported under Article 7 of the Paris Agreement

 ETF training programme has been fully implemented

> **New training** programmes website







