



United Nations
Climate Change

CGE
Consultative Group of Experts
The Constituted Body for MRV & ETF



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Climate Change

2025 CGE Regional Webinars

Sharing ETF Experiences: Reporting (BTR), Review (TER), and Consideration (FMCP)

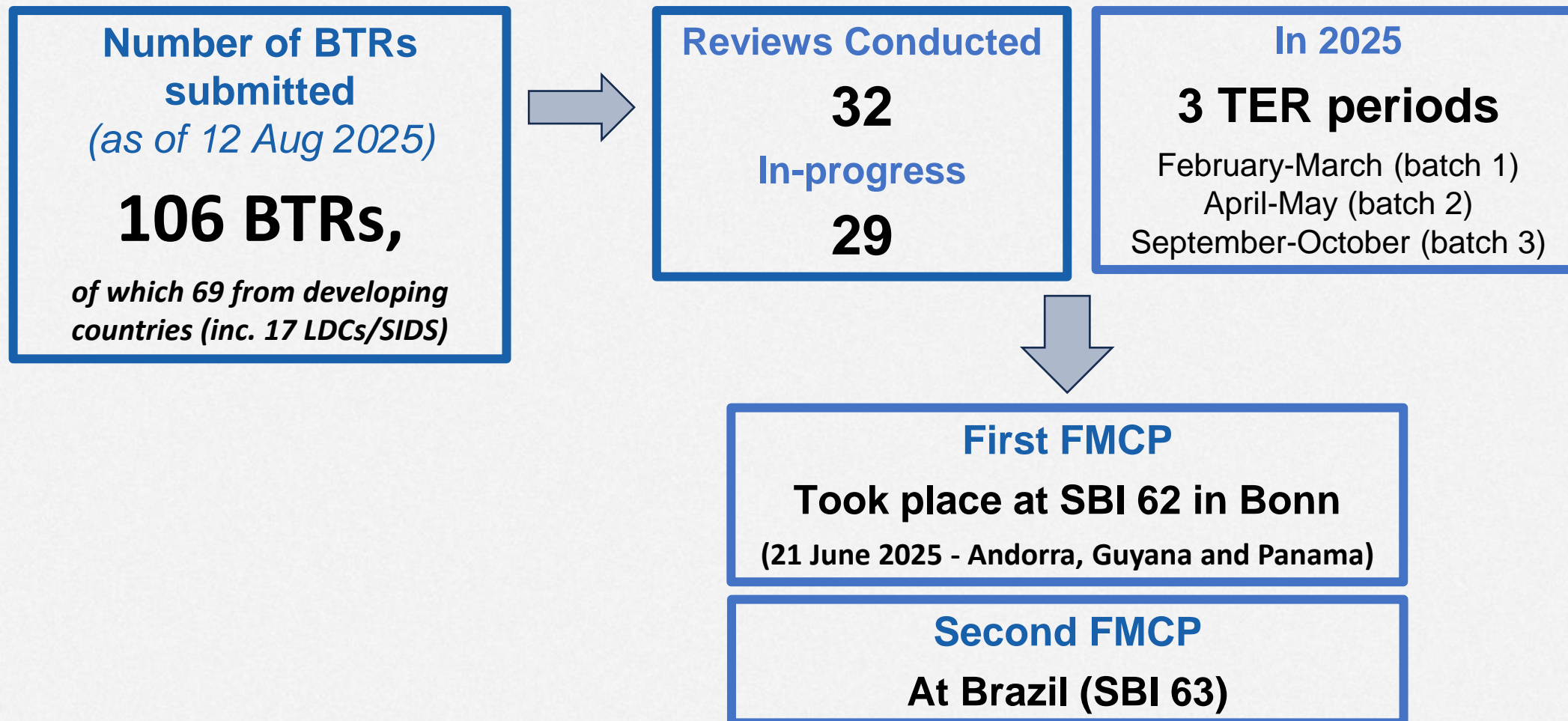
*Asia and Pacific
21 August 2025*

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Status of ETF implementation

Technical Expert Reviews



2025 CGE regional webinar - Asia and Pacific

Moderator



Manjeet Dhakal
Nepal
CGE member

Speakers



Xiang Gao
China
CGE member



Aslan Shikhaliyev
Azerbaijan



Anna Boneta
Andorra

Programme

5 min Welcome and opening remarks by the moderator

30 min Practical experience in preparing BTRs and participating to the TER and FMCP processes

- *Experiences in preparing the first BTR and participating in TER and the FMCP*
- *Lessons learned and recommendations to other countries*
- *How would you make use of this experience and lesson learned in preparing your second BTR?*

20 min Q&A session

5 min Feedback survey and closing





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Experiences, Good Practices, Challenges and Needs in Preparing BTR1, China

prof. Dr. GAO Xiang (CGE member)

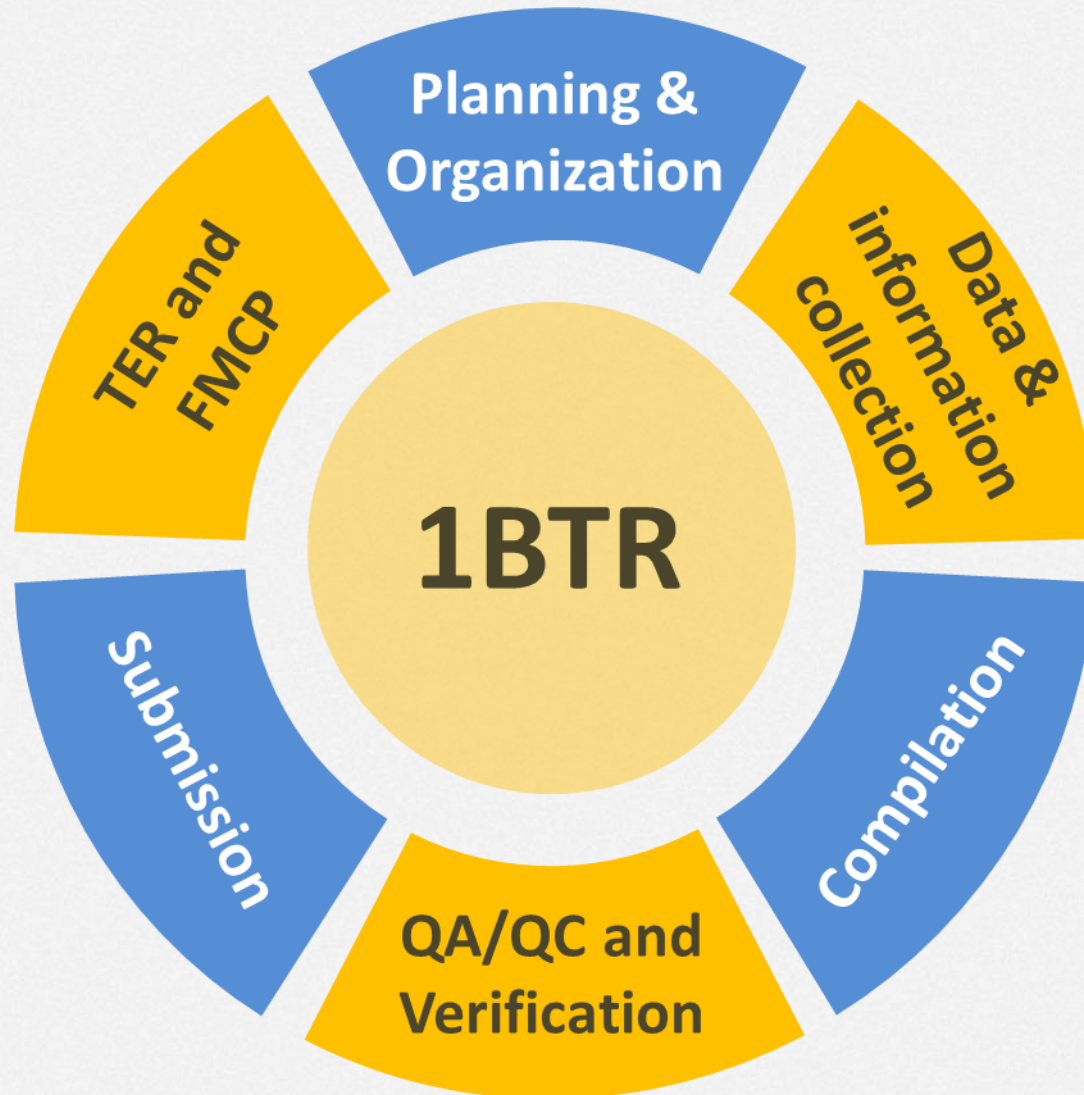
*National Center for Climate Change Strategy and International Cooperation,
CHINA*

21 August 2025

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Process Overview



■ Achievements

- ❑ Enhanced institutional arrangements
- ❑ Improved technical capacities in inventory compilation
- ❑ Enhance QA/QC in inventory compilation
- ❑ Submission on time

■ Support from CBIT and UNFCCC/CGE

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Experiences and Good Practices

■ Enhanced Institutional Arrangements

□ Issued Work Plan for 1BTR Compilation

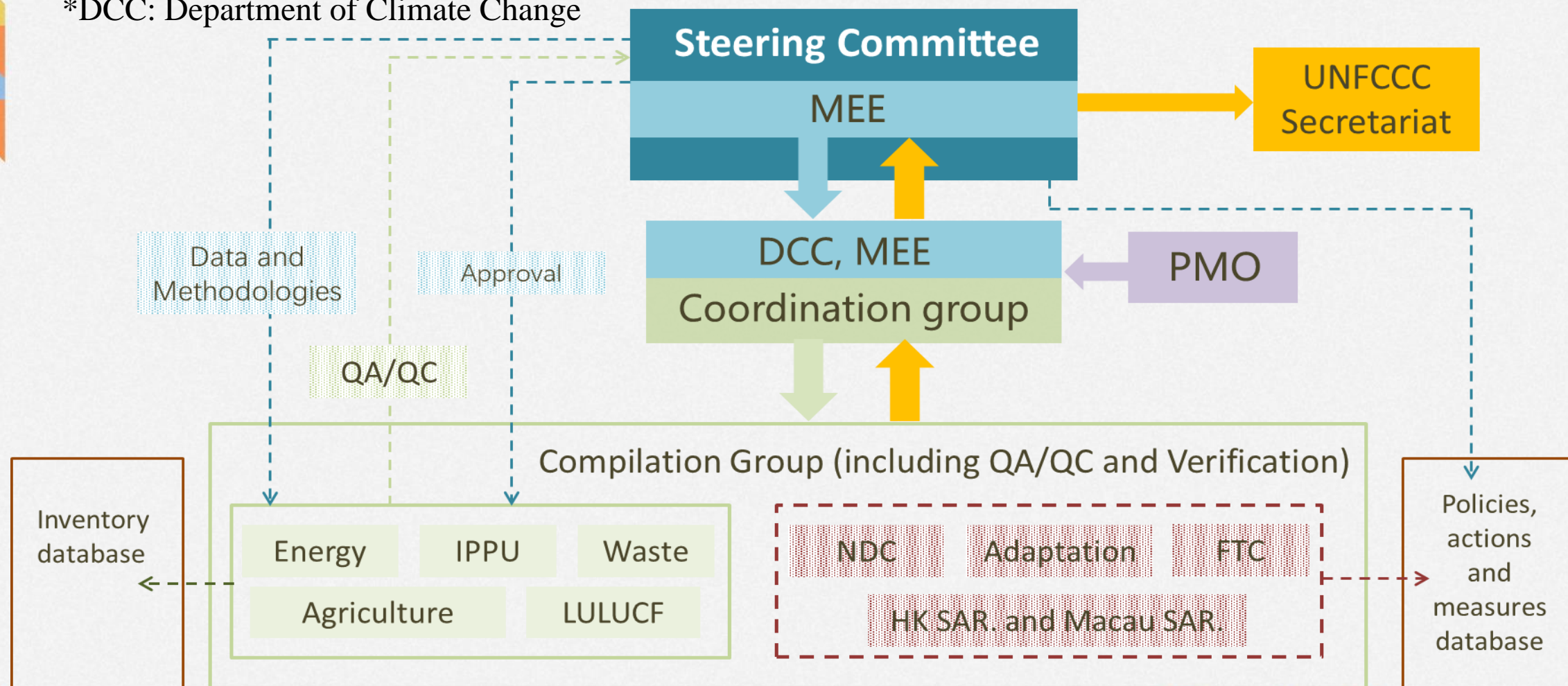
- Established **steering committee** across **over 30 ministries and departments** for more comprehensive data/information collection and efficient report drafting
- Significantly **enhanced the authority of information** on NDC progress tracking, mitigation and adaptation policies, as well as support needed and received



Experiences and Good Practices

*MEE: Ministry of Ecology and Environment

*DCC: Department of Climate Change



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Experiences and Good Practices

■ Improved Technical Capacities in Inventory Compilation

□ Prioritized the use of **domestic emission factors**

- Enterprise-level measured data from national carbon market emission reports, measured and statistical/research data developed by relevant departments, and measured/research data published by relevant institutions
- Able to apply **higher Tier methods** and **improved the transparency and accuracy** of the National GHG Inventory





Experiences and Good Practices

■ Enhance QA/QC in Inventory Compilation

- ❑ Implemented multiple verification and quality control measures during the compilation process
- ❑ Conducted independent analysis and reviews of inventory methodologies and results through **external expert assessment**, ensuring robust quality assurance
- ❑ Utilized **a national GHG inventory database** to improve digitalization of inventory compilation



Experiences and Good Practices

- Supports from *China Capacity Building for Enhanced Transparency Phase I* project *UNFCCC* and *CGE*
 - Improved capacities of transparency experts, **over 70** Chinese experts have passed the examination of Training programs for expert reviewers
 - **UNFCCC experts** invited to share and **CGE training materials** used
 - Female involvement has reached **80% at the national level** and **60%-70% at the enterprise and local levels** during capacity-building activities





Challenges and Needs

■ GHG Inventory

- ❑ Need to further **enhance institutional arrangements** for GHG inventory preparation
- ❑ Need to further clarify the **data foundation**
- ❑ Need to further conduct **domestic GHG emission/removal factors measures** and analysis
- ❑ Need to further strengthen **QA/QC**
- ❑ Need to strengthen capacity-building in CRT reporting





Challenges and Needs

■ NDC and Mitigation Policies and Measures

- ❑ Need to strengthen the capacities to **assess the effectiveness of mitigation policies implementation**, and to tracking and managing relevant data
- ❑ Need to develop methodologies to **disaggregate emission reductions from overlapping mitigation actions** and improve capabilities to quantify overlapping effects, outcomes, and emission reductions
- ❑ Need to enhance the ability to assess the co-benefits of NDCs





Challenges and Needs

■ Adaptation

- ❑ Need to further strengthen capacities and technologies to research on characteristic of climate change **already happened** in China, and to **construct future climate change scenarios**
- ❑ Need to Improve abilities and technologies to analyze climate change **impacts, risks and loss and damage**, and **vulnerabilities**
- ❑ Need to enhance capacities and technologies to **identify adaptation goals, priorities, challenges, and barriers**, and to **monitor, evaluate, and report adaptation policies**





Challenges and Needs

■ Support needed and received

- ❑ Need to **establishment statistic mechanisms, accounting methodologies, reporting and working mechanisms** on the information of received FTC support
- ❑ Need to develop methodologies to **estimate sector-specific and/or mitigation/adaptation action-specific needs**, improving the ability to identify, quantify, and report on financial support needed





Challenges and Needs

■ TER and FMCP

- ❑ Need to establish an **inter-department collaboration mechanism**, and to **standardize domestic procedures** for accepting TER and FMCP
- ❑ Need to complete the **development, construction, operation and maintenance of relevant national database systems**, including that for inventory, mitigation and adaptation policies, support needed and received, as well as for accepting TER and FMCP.





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Thank you.

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Ministry of
Ecology and Natural Resources
of the Republic of Azerbaijan



BTR1 and TER experiences of Azerbaijan

Aslan Shikhaliyev

21 August 2025

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Institutional arrangements

National Climate Reporting

BTR1 and TER experience

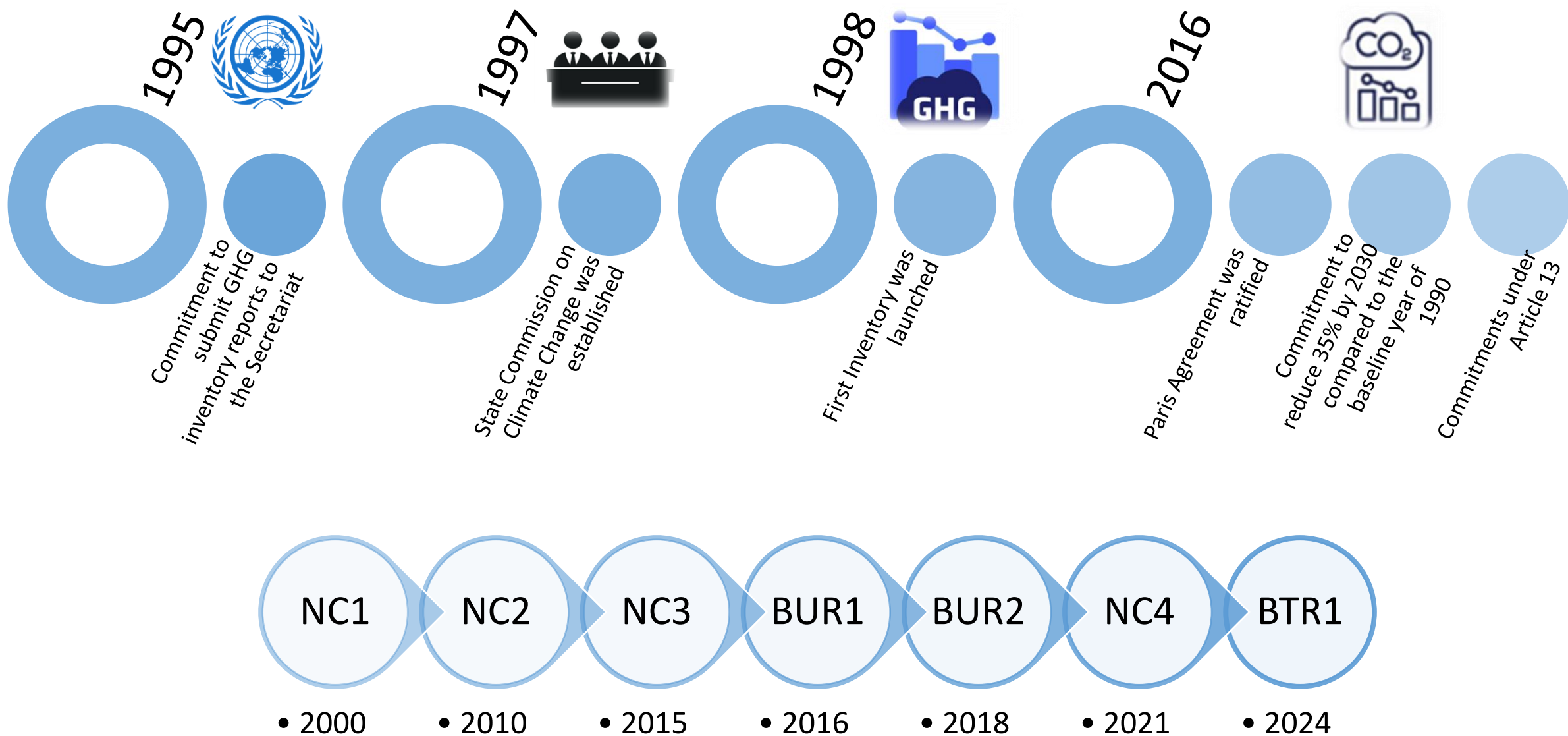
Challenges and improvement needs related
to GHG emissions and removals

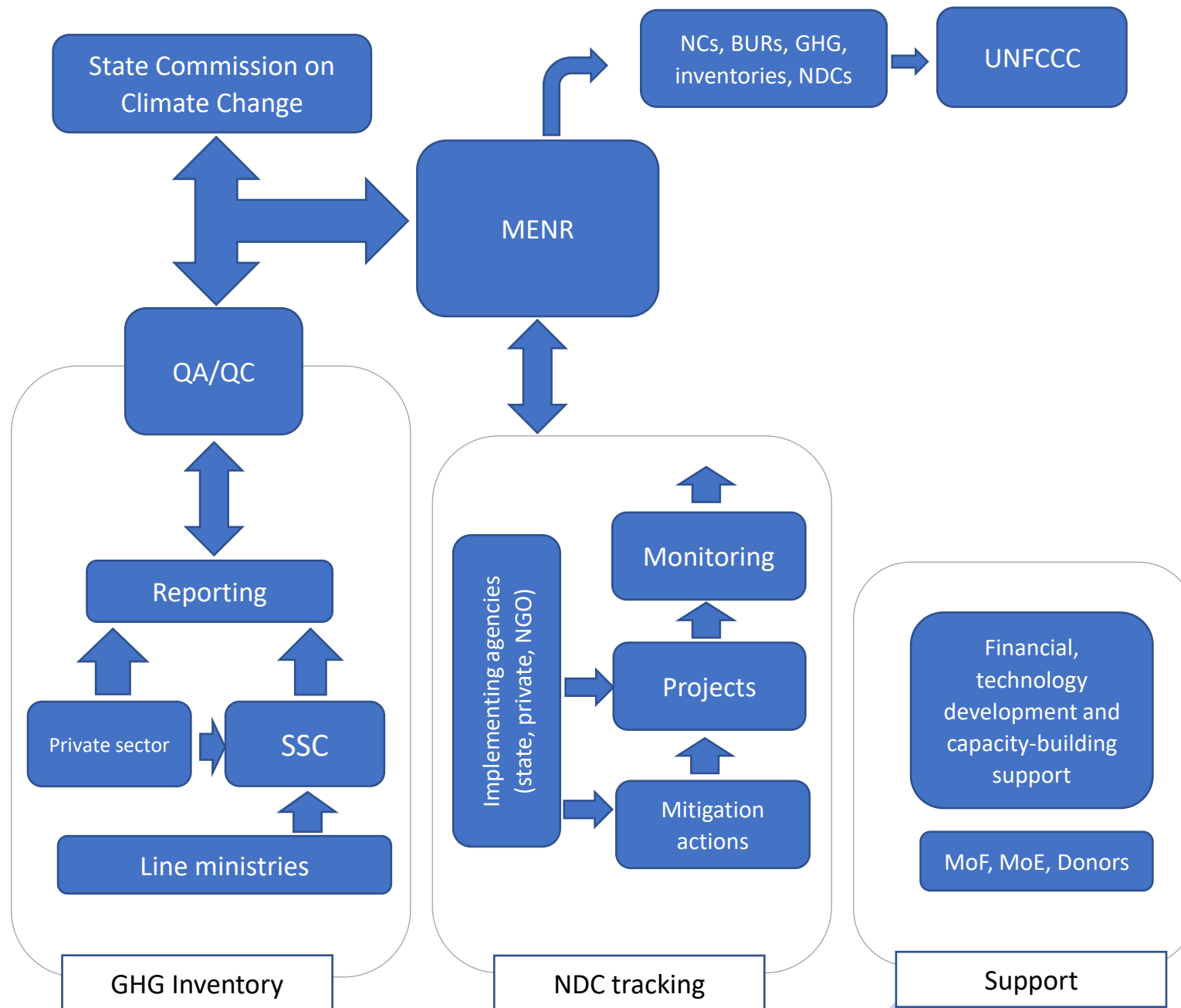
Lessons learnt and recommendations



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History of climate reporting in Azerbaijan

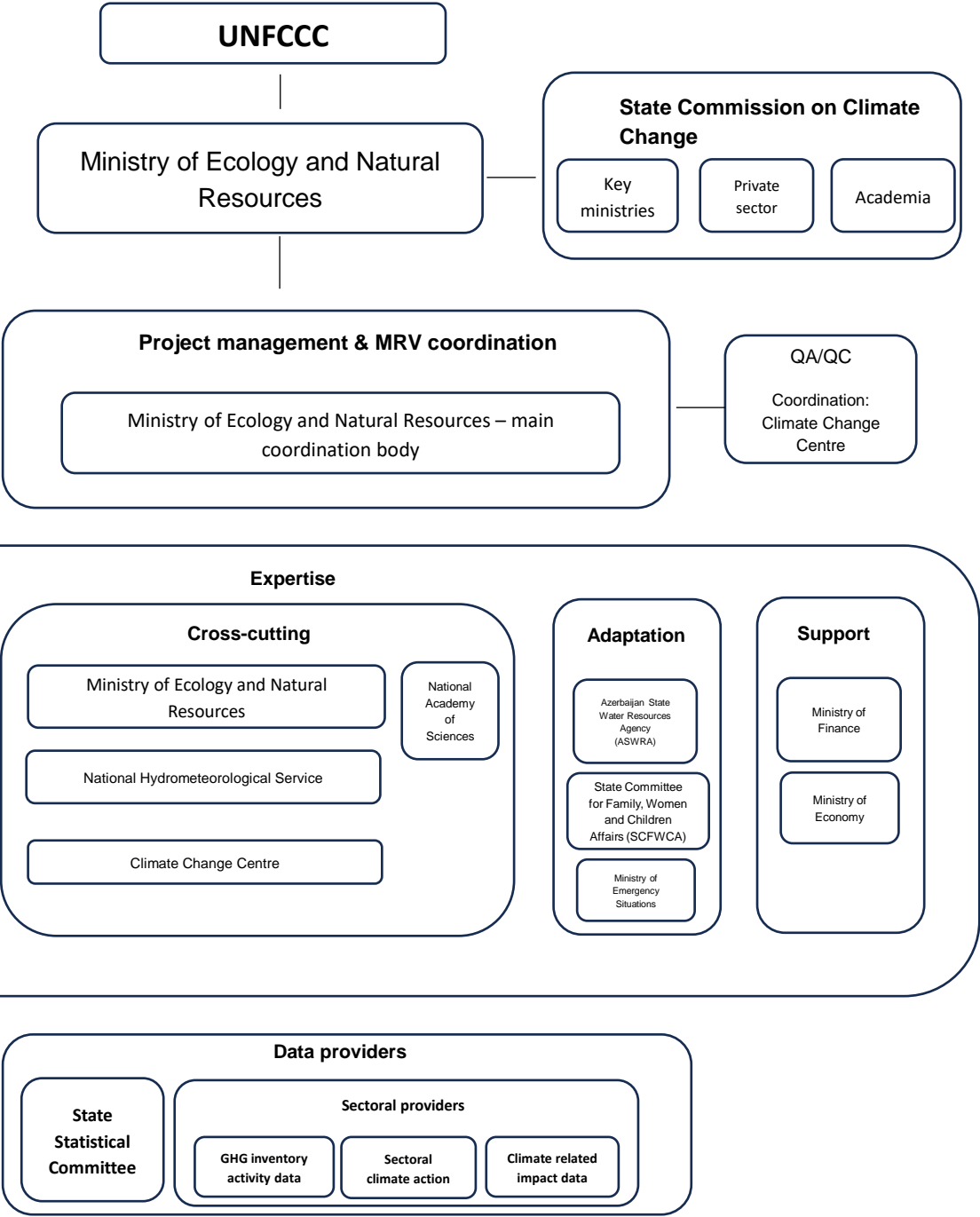




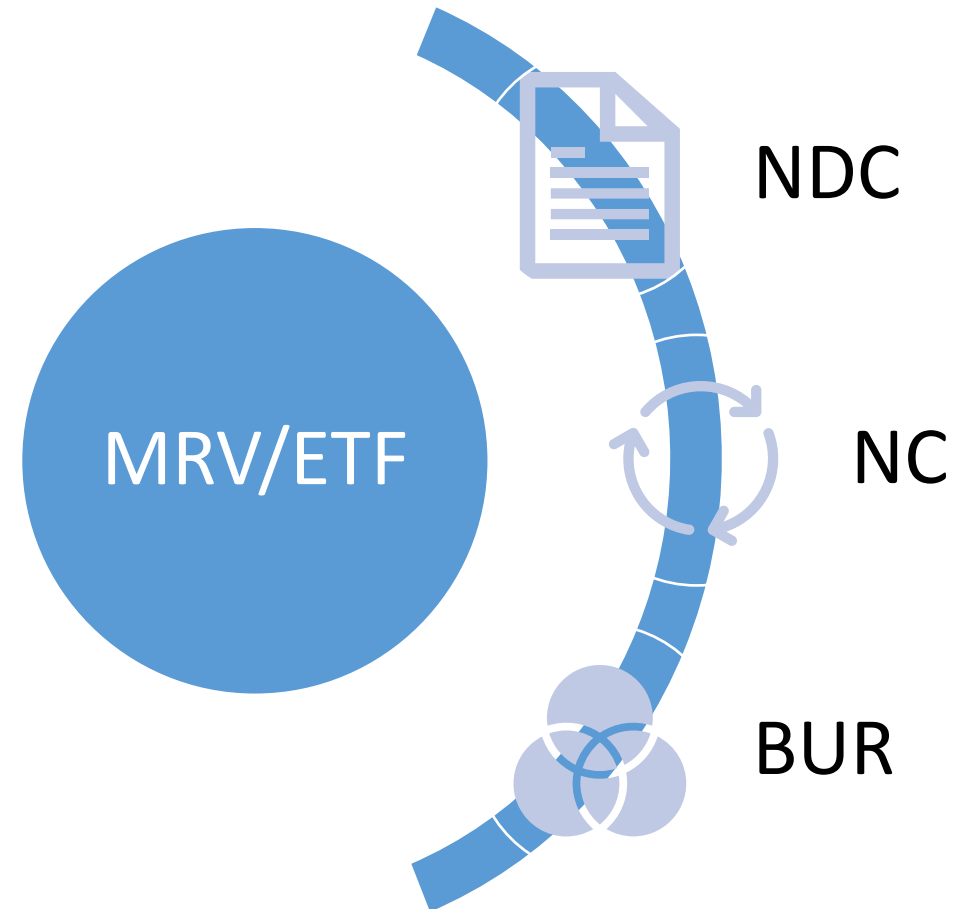
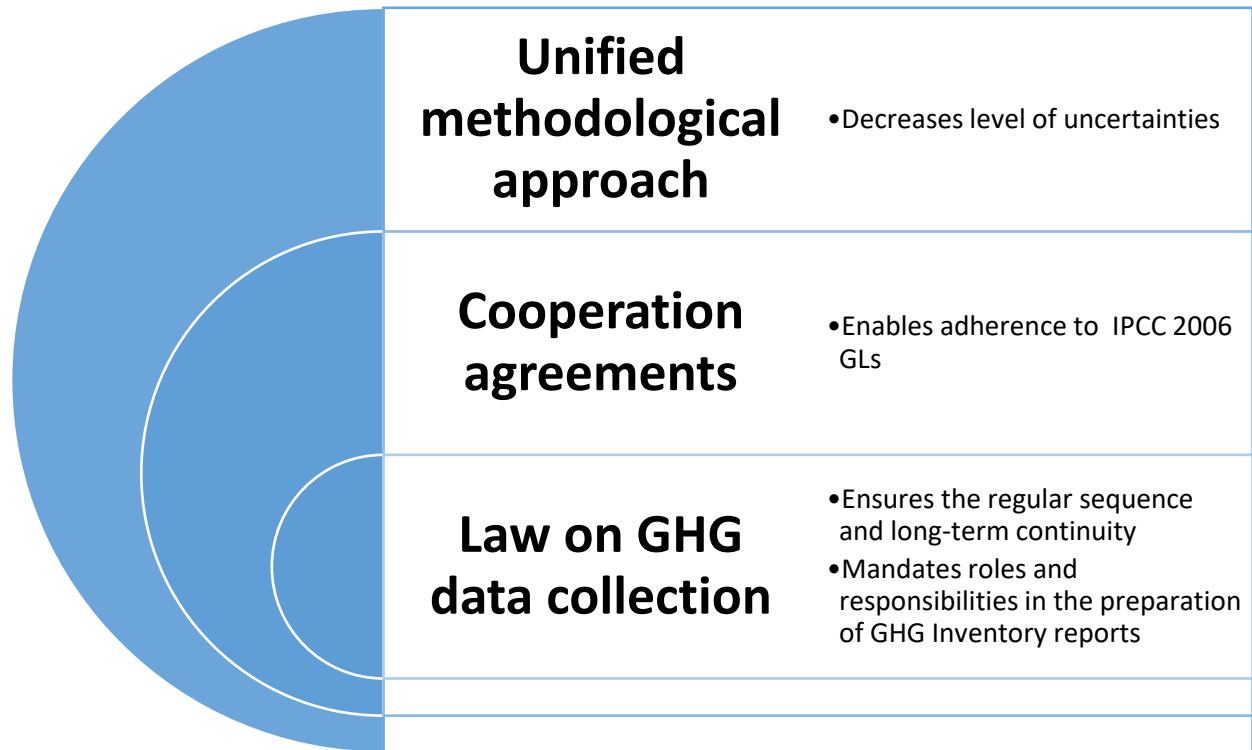
Management & coordination

Technical expertise

Data providers



Institutionalization of GHG inventory



GHG Inventory responsibilities

Compilation of data collections by data providers

QA/QC - Verifying data quality

Creation of an inventory database

Updating the inventory database

Calculation of emissions from all covered sectors

Development of QC/QA plan

Determining the timeline for the inventory cycle

Cooperation agreements with relevant ministries, agencies and private sector enterprises

Coordination of timely delivery of input data

Ensuring regular system improvements.

Improvement of inventory data archiving system.

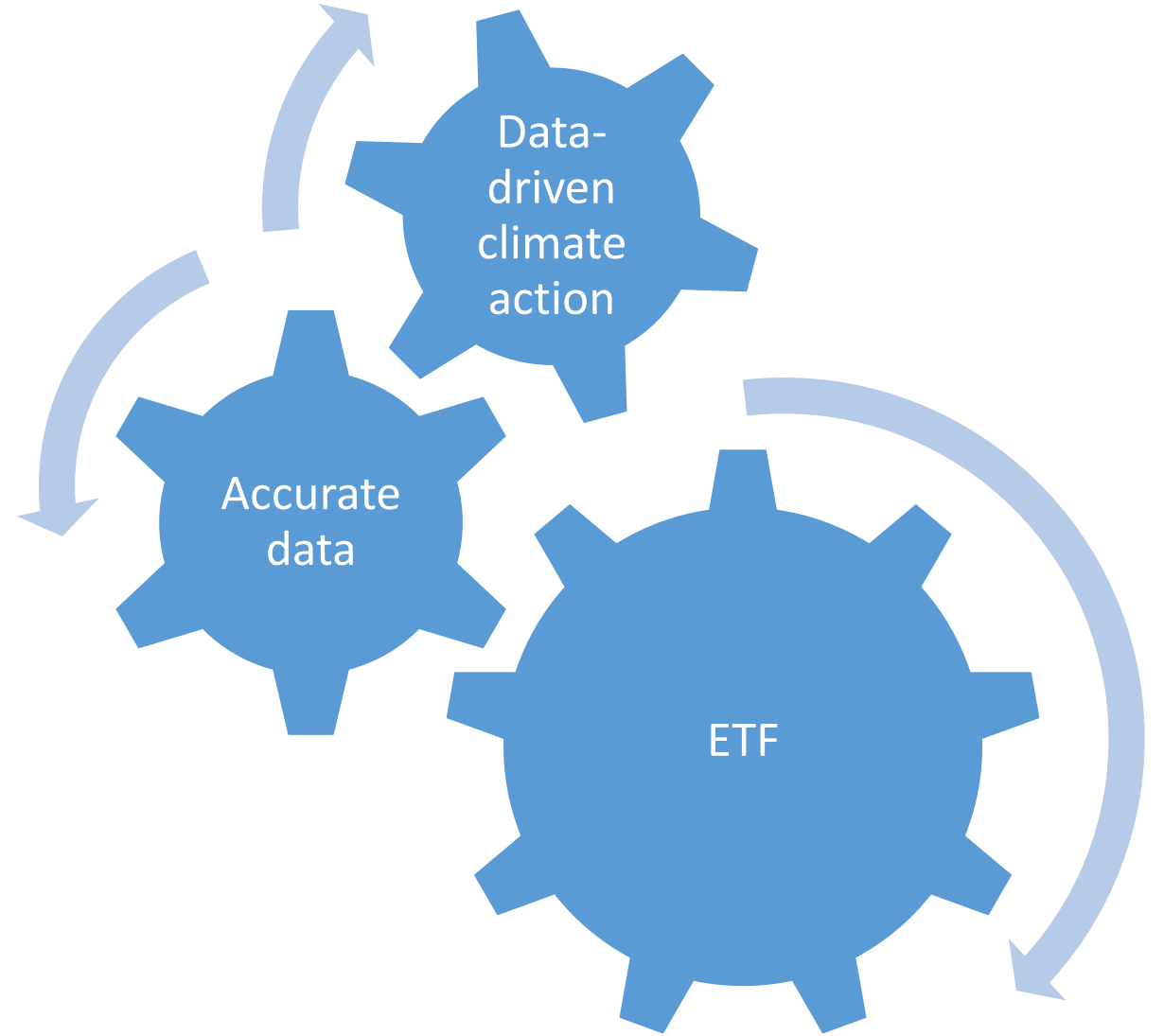
Regular review and provision of incoming data flow from data providers

Improving the institutionalization of the National System

Implementing improvements in inventory planning and inventory preparation

Improvement of national institutional mechanisms.

Interlinkages



THE FIRST BIENNIAL TRANSPARENCY REPORT OF THE REPUBLIC OF AZERBAIJAN

TO THE UN FRAMEWORK
CONVENTION ON CLIMATE
CHANGE

NOVEMBER
2024

| Faaliyyət | Hafta 1: 15-21 İyul | Hafta 2: 22-28 İyul | Hafta 3: 29 İyul - 5 Avqust | Hafta 4: 6-12 Avqust | Hafta 5: 13-19 Avqust | Hafta 6: 20-26 Avqust | Hafta 7: 27 Avqust - 3 Sentyabr | Hafta 8: 4-10 Sentyabr | Hafta 9: 11-17 Sentyabr | Hafta 10: 18-24 Sentyabr | Hafta 11: 25-31 Sentyabr | Hafta 12: 1-7 Oktyabr | Hafta 13: 8-14 Oktyabr | Hafta 14: 15-21 Oktyabr | Hafta 15: 22-28 Oktyabr |
|---|---------------------|---------------------|-----------------------------|----------------------|-----------------------|-----------------------|---------------------------------|------------------------|-------------------------|--------------------------|--------------------------|-----------------------|------------------------|-------------------------|-------------------------|
| Milli EYQ Inventarlaşması Hesabatı | | | | | | | | | | | | | | | |
| 4 sektor üzrə IPCC metodologiyası ilə emissiyaların hesablanması (ET, LU/LUCF, IPPU, Tufənlər) | | | | | | | | | | | | | | | |
| Milli inventarlaşma Hesabatının mətn hissəsinin tərtibatı | | | | | | | | | | | | | | | |
| Milli inventarlaşma Hesabatına daxil ediləcək Energetika sektoruna CTF cədvəllərinin hazırlanması | | | | | | | | | | | | | | | |
| Energetika sektorunda uçucu emissiyaların hesablanması | | | | | | | | | | | | | | | |
| Energetika bölməsinin Milli inventarlaşma Hesabatına əlavə olunması | | | | | | | | | | | | | | | |
| Beynəlxalq ekspert tərəfindən (CBIT-GSP) 2022-ci il üçün CTF cədvəlinin nəzərdən keçirilməsi | | | | | | | | | | | | | | | |
| Digər ilə uyğun CTF cədvəllərinin tərtibatı | | | | | | | | | | | | | | | |
| Milli inventarlaşma Hesabatının beynəlxalq ekspert tərəfindən nəzərdən keçirilməsi (tərcimə edildikdən sonra) | | | | | | | | | | | | | | | |
| ADB ekspertləri tərəfindən IPCC hesabatlarının nəticələrinin nəzərdən keçirilməsi | | | | | | | | | | | | | | | |
| ADB ekspertləri tərəfindən təlimlərin keçirilməsi | | | | | | | | | | | | | | | |
| Inventarlaşdırma nəticələrinin NDC komandası (Mərkəz) ilə əlaqələndirilməsi | | | | | | | | | | | | | | | |
| NDC icrasında tərəqqi | | | | | | | | | | | | | | | |
| NDC üzrə nailiyyət bölməsinin mətn hissəsi | | | | | | | | | | | | | | | |
| Tərəqqi göstəriciləri | | | | | | | | | | | | | | | |
| Məhsulətlərin tədarükü | | | | | | | | | | | | | | | |
| CTF cədvəllərinin hazırlanması | | | | | | | | | | | | | | | |
| CTF cədvəllərinin FAO tərəfindən nəzərdən keçirilməsi | | | | | | | | | | | | | | | |
| NDC icrasının bölməsinin FAO tərəfindən nəzərdən keçirilməsi (tərcimə edildikdən sonra) | | | | | | | | | | | | | | | |
| Dəstək komponenti | | | | | | | | | | | | | | | |
| Əldə olunan dəstək və ehtiyatlar + təqdim edilmiş dəstək | | | | | | | | | | | | | | | |
| BTR-in Tərtibi | | | | | | | | | | | | | | | |
| Cədvəl sənədin tərtibatı | | | | | | | | | | | | | | | |
| Digər sənədlərlə əlaqələndirilmə | | | | | | | | | | | | | | | |
| Tərcimə | | | | | | | | | | | | | | | |
| Dəstək və digər | | | | | | | | | | | | | | | |
| BTR-in körfəz formatında təqdimat mərasimi | | | | | | | | | | | | | | | |
| UNFCCC-yə təqdim edilmə | | | | | | | | | | | | | | | |



MPGs



Peer-to-peer
exchange

ETF | TOOLS

Online

Please select one of the ETF reporting tools

ETF | GHG INVENTORY
Reporting tool

Enter >

ETF | PROGRESS
Reporting tool

Enter >

ETF | SUPPORT
Reporting tool

Enter >

Metrics

5th Assessment
Report (AR5)

IPCC 2006 guidelines

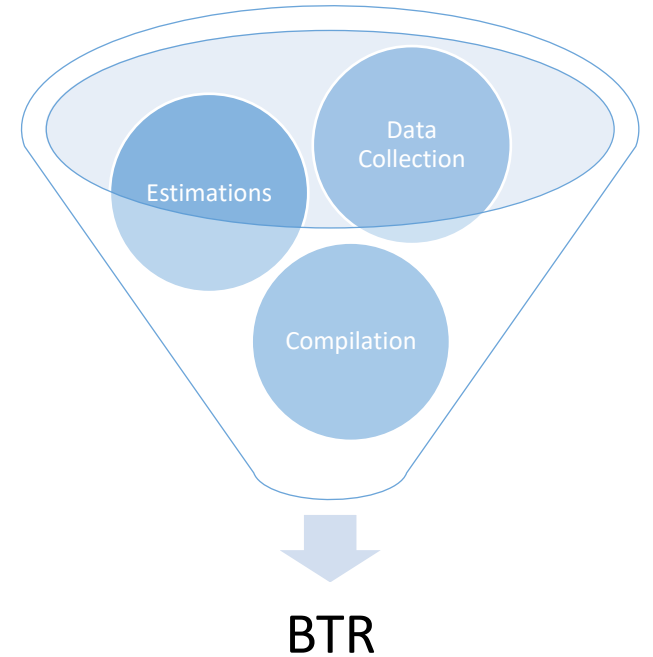
Tier 1 approach
Default EF

Base/reference year

1990

TACCC principles

Consistent
Comparable
Complete
Accurate
Transparent



Key Categories

1.B.2.b Natural Gas

1.A.1 Energy Industries - Liquid Fuels

1.A.1 Energy Industries - Gaseous Fuels

1.A.2 Manufacturing Industries and Construction - Gaseous Fuels

1.A.4 Other Sectors - Gaseous Fuels

1.A.3.b Road Transportation - Liquid Fuels

1.B.2.a Oil

3.A. Enteric Fermentation

1.A.4 Other Sectors - Liquid Fuels

4.A.1. Forest land Remaining Forest land

1.B.2.a Oil

5.A. Solid Waste Disposal

5.D Wastewater Treatment and Discharge

Methods

Energy

NCV

- Comparison of reference approach with sectoral approach
-

IPPU

Tier 1 approach

Agriculture

Tier 1 approach

LULUCF

Land representation

Waste

First Order Decay (FOD)

Trends

1990

- Collapse of the Soviet Union
- Sharp decline in Azerbaijan's industrial and energy sectors
- Significant reduction in emissions

2000

- Resurgence of the economy
- Oil and gas exports
- Increased demand for energy products due to population growth
- Emissions in transportation and waste sectors began to rise again

2022

Energy

Still primary source of emissions in 2022.

Reduced by about 24.86% compared to the base year.

Investments in innovative technologies and natural gas infrastructure minimized the share of fuel oil in the country's electricity production.

IPPU

Growth in industrial processes

Development of new industries

Agriculture

Increase in the production of competitive agricultural and processing industry products, both in the domestic and foreign markets

Starting from 2020, the 30-year trend of rising emissions has shifted to a decline

Waste

Increase in methane emissions caused by the decomposition process associated with the open disposal of waste in landfills, which is related to population growth

GHG emissions by sectors



Experience in participating in the technical expert review process?

Centralized Review

26 to 30 May 2025

BUR-VTR / iVTR

Introductory conference call

Overview of the Technical Expert Review process

Process, Schedules

Timelines

Parties usually have two weeks (or up to three weeks with flexibility) to respond to questions raised before the review week

All responses to all questions need to be submitted before the review week

Flexibilities

Reporting

- Para 6 of the MPGs clarifies that while the application of flexibility is to be self-determined, the developing country Party shall clearly indicate the provision to which flexibility is applied, concisely clarify capacity constraints, and provide self-determined estimated time frames for improvements in relation to those capacity constraints.
- Paragraph 6 of the annex to decision 18/CMA.1 relates to flexibilities applied in relation to reporting provisions.

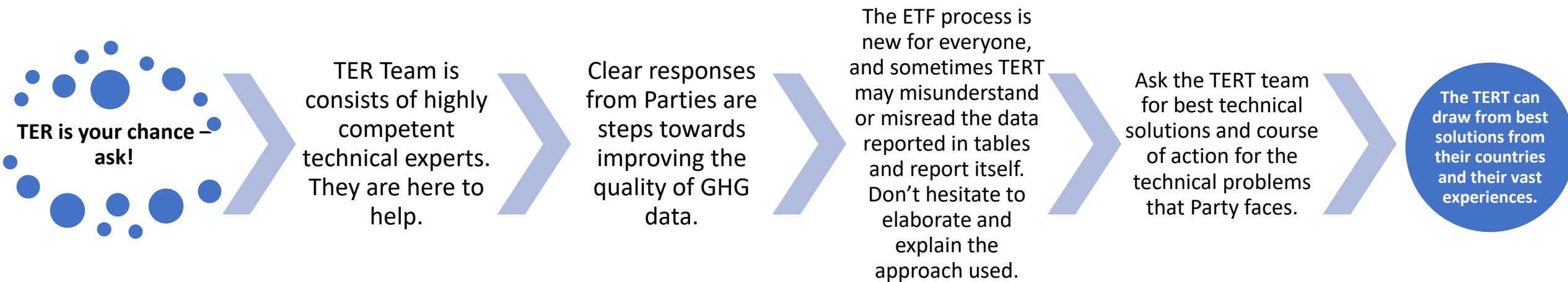
Procedural

- Where a developing country Party elects for procedural flexibility a notification to the secretariat is sufficient (with or without explanation).

Technical expert review week

| | |
|--|--|
| Timelines | For any questions raised during the review week, Parties are expected to respond by the following day, within the same review week. |
| Areas of improvement and capacity-building needs | Based on Party's responses to the areas of technical clarification and capacity-building needs identified, the TERT will draft the technical expert review report (TERR). |
| | Follow-ups questions, clarifications and meetings |
| Technical expert review report (TERR) | The flexibility provisions can be also applied when Party provides comments to the draft TERR (within 3 months instead of 1 month). The TERR should be completed as early as possible and no later than 12 months from the start of the technical expert review process. |

Lessons learnt and recommendations



Questions

| | |
|---|--|
| Question before the review week | Questions were received in waves |
| | Started drafting the responses as they were received |
| | Grouped the responses in batches and sent them as soon as possible before the next wave of questions was received |
| Questions during the review week | If before the review week you have a chance to clarify with stakeholders and data providers anything raised by the TERT, during the review week because of the limited time you can't count on that. |
| | Don't aim for perfection, aim for transparency. The identified areas for improvements can be addressed in the next cycle. |

Overall challenges

Non-availability of
disaggregated data or
robust QA/QC procedures.

Lack of technical tools and
unified methodology.

Absence of legally binding
documents to mandate
roles and responsibilities in
the continuous and
stringent GHG Inventory
compilation process.



United Nations

Framework Convention on
Climate Change

FCCC/TP/2024/6

Distr.: General
26 August 2024

English only

**Problems, constraints, lessons learned and capacity-building
needs in preparing national communications, biennial update
reports and biennial transparency reports**

Updated technical paper by the Consultative Group of Experts

Specific gaps and needs for improvement

Develop country-specific EFs

Align sources of data and methodologies

Adjustment to the requirements of the 2006 IPCC Guidelines

Building the capacity to use higher-level methods for estimating emissions and removals in the key categories.

Improve the quality of data by conducting the QA/QC checks in specific sectors such as:

- IPPU – ODS (Ozone depleting substances)
- LULUCF – Land Representation
- Energy – Alignment of statistical data with energy balance

Transition to higher-Tier methods with application of more plant/facility-level disaggregated information:

- Energy - Power facilities
- IPPU – Plant-level information
- Waste – Waste disposal sites

The experience and lesson learned gained will be applied in preparing the second BTR

Will use the areas of improvement to plan the next inventory.

Will reach to support provider for the identified capacity-building needs.

The GHG inventory builds on the recommendations provided by the TERT.



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Govern d'Andorra



acció
climàtica
ANDORRA

Andorra's experience in the First FMCP

Anna Boneta

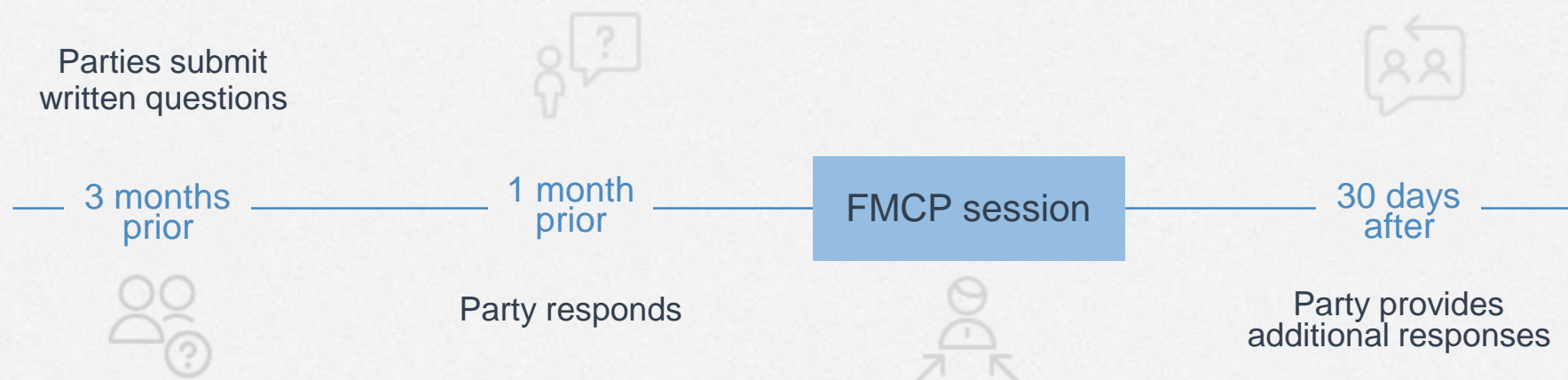
21st August 2025

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Facilitative, Multilateral Consideration of Progress

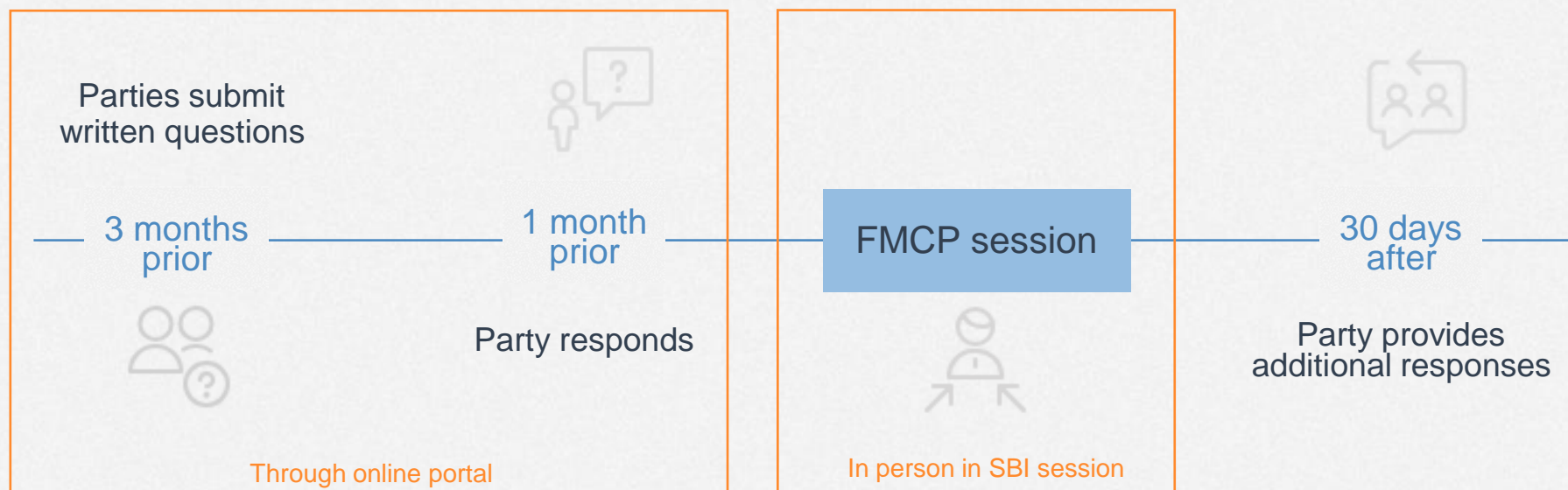
FMCP process



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Facilitative, Multilateral Consideration of Progress

FMCP process



Andorra received 17 written questions from 7 different countries.

Andorra underwent the FMCP in SBI 62 (Bonn, June 2025) together with Panama and Guyana.



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Formal session

FMCP



Session workflow

Each presenting country delivered:

- 2 min national statement
- 10 min pre-recorded presentation

Joint Q&A session (40 min)

- + 30 countries participated
- Andorra received ~ 15 questions from 10 different countries



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Informal dialogue – voluntary

FMCP

World Café format

- 1 group for each Party under FMCP
- 60 Party delegates participating
- 20 minutes per discussion round



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CGE webpage: <https://unfccc.int/CGE>


Consultative Group of Experts (CGE).



CGE news and announcements
CGE e-learning
Support to developing countries
MRV/Transparency helpdesk
Contact and Feedback

Further information on the CGE

| | | | |
|--|---|--|---|
| United Nations Climate Change Members of the CGE | United Nations Climate Change CGE meetings | United Nations Climate Change CGE Workshops | United Nations Climate Change CGE webinar series |
| United Nations Climate Change CGE toolbox on institutional arrangements | United Nations Climate Change ETF handbook | United Nations Climate Change Transpar assessme | |
| United Nations Climate Change CGE Informal Forums | | | |




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Associate Programme Officer at UNFCCC secretariat
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Call for Registration – 2025 CGE Regional Webinar Series on Sharing ETF Experiences
Three regional webinars will bring together national experts and CGE ...more

2025 CGE Regional Webinars
Sharing Enhanced Transparency Framework Experiences: Reporting (BTR), Review (TER), and Consideration (FMCP)
Register to receive the MS Teams link(s) for the webinar(s).

Latin America and the Caribbean - Monday, 18 August | 16:00–17:00 CEST

Moderator: Orlando Rey (CGE member)
Pradeepa Bholanath (Guyana)
Melani Paulette Acosta Chin (Panama)

Africa and Eastern Europe - Tuesday, 19 August | 13:00–14:00 CEST

Moderator: Nesbert Samu (CGE member)
Fredrick Ouma (Kenya)
Anna Boneta (Andorra)
Vimla Kanihy (Mauritius)

Asia and Pacific - Thursday, 21 August | 8:00–9:00 CEST

Moderator: Manjeet Dhalal (CGE member)
Xiang Gao (China)
Aslan Shakhaliyev (Azerbaijan)

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United Nations Climate Change

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Mitigation & Transparency Exchange

Intro
This site is managed by the Transparency Division of the United Nations Framework Convention on Climate Change (UNFCCC) Secretariat.
Page • Interest
www.unfccc.int/sites/transparency/Pages/home.aspx
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7th INFORMAL FORUM of the CGE
Tuesday, 4 March 2025
9:30-12:00 CET
(Hybrid event)

The informal forum of the Consultative Group of Experts (CGE) will be an open event, and it will specifically target and benefit the audience by:

- Showcasing the work and achievements of the CGE;
- Providing a platform for the CGE members to have in-depth discussions with the participants from developing country Parties and the support providers;
- Exploring ideas to address key challenges faced by developing countries in preparing the BTRs;
- Collecting feedback on work of the CGE to support developing countries and focus areas for 2025.

Keynote speakers:

- Julia Gardiner, SBI Chair
- Jenny Mager, CGE Chair
- Daniele Violetti, Senior Director, UNFCCC

Moderator: Nesbert Samu, CGE

Speakers:

- Aiman Yessetkina, Kazakhstan
- Fathimath Raufa Moosa, Maldives
- Sandra Muthuswami, South Africa
- Khetiswe Khumalo, CBTR-GSP
- Miriam Hinojosa Suarez, UNEP
- Eva Huttova, UNDP
- Henning Wuenter, ICAT

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Mitigation & Transparency Exchange
Join us for a compelling BTR Dialogue with the CGE
13:15–14:45, Thursday, November 14, 2024
See more

Reporting on Progress: BTR Dialogue with the CGE
14 November 2024, 10:00–14:45
Webinar Room 7, One Room

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