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# UNFCCC GIZ regional hands-on training workshop

## Capacity-building opportunities



**United Nations**  
Climate Change Secretariat



## An overview

01

### **Direct intervention upon request from Parties**

- ✓ Ad-hoc technical advice
- ✓ Targeted training workshops at regional and sub-regional scale
- ✓ Technical tools and guides
- ✓ Bridging and facilitation

02

### **Through constituted bodies and expert groups under the Convention and the Paris Agreement (e.g. Consultative Group of Experts)**

- ✗ Targeted training workshops at regional scale
- ✗ Technical tools and guides

03

### **Participating in on-going formal workstreams under the Convention and the Kyoto Protocol and Paris agreement** (such as technical review of GHG inventories, national communications and Technical analysis of biennial update reports from non-Annex I Parties. In future Technical expert review of Biennial Transparency Reports)

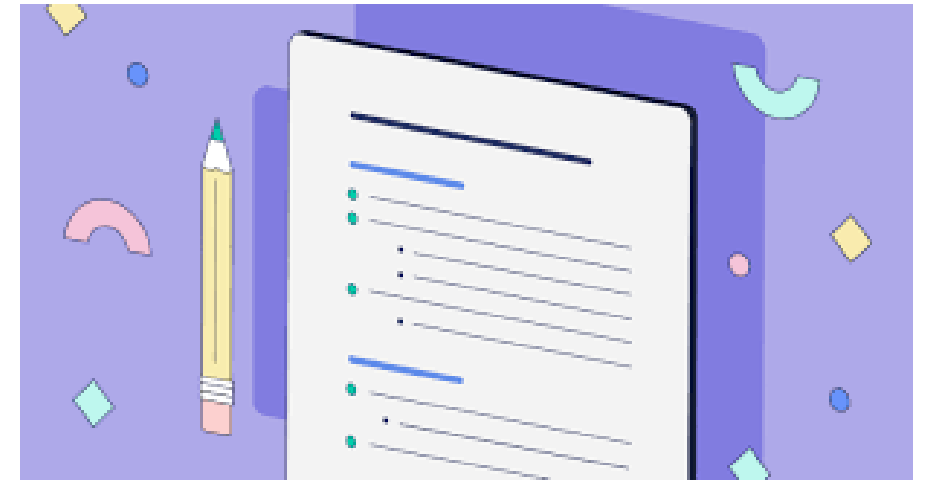
- = Expert certification training programme
- = Peer-learning
- + Funding of enabling activities (NCs & BURs)
- + CBIT - support to strengthen the institutional and technical capacity
- + The CBIT Global Support Programme Global coordination platform - support to developing country Parties to prepare their national communications, BURs, BTRs and NDCs.
- + Needs-based climate finance project

04

### **Financial mechanisms of the Convention and the Paris Agreement, for example, GEF**



- Consultative Group of Experts (CGE)
- CASTT GHG Inventory Academy
- UNFCCC Compendia
- Needs based climate finance
- Article 6 Supervisory body
- UNFCCC group of friends (PATPA, UNEP, UNDP, ICAT...)



The Consultative Group of Experts was established under the Convention and continues to operate under the Paris Agreement, with the primary mandate to provide technical assistance and advice to developing countries on the process and the preparation of climate change reports.



Knowledge Products



Knowledge Delivery



Capacity-building needs  
assessment



Collaboration and  
engagement



## CGE Training Materials for the Preparation of National Communications from non-Annex I Parties

- Available in English, French, Spanish and Russian
- Includes:
  - Training Materials on Vulnerability and Adaptation Assessment
  - Training Materials on National GHG Inventories
  - Training Materials on Mitigation Assessment
- Among which, updated CGE training materials on adaptation and vulnerability and mitigation assessment launched in March 2023.
- Training materials are available [here](#).

UNFCCC Process > CGE Training materials > CGE Training Materials for the Preparation of Na...

## CGE Training Materials for the Preparation of National Communications from non-Annex I Parties.

The training materials below are designed to facilitate the preparation of national communications (NCs) by non-Annex I Parties in accordance with the guidelines of the Conventions (decision 17/CP.8). They are not intended to replace any of the methodologies or tools referred to or mentioned in in the modules. For further detail and explanation, the reader is therefore always encouraged to go back to the original documents or tools referred to in the text.

MRV for Developing Countries

CGE has also developed training materials for the preparation of biennial update reports (BURs).

Support for the Preparation of National Reports

Please note that the secretariat does not promote any particular methods or publications.

COP decisions / SBI conclusions

CGE Training Materials for the Preparation of NCs			
Français	Español	Russian	Other languages

Contact and Feedback

English		
Updated Training Materials on Vulnerability and Adaptation Assessment*	Training Materials on National GHG Inventories**	Updated Training Materials on Mitigation Assessment
<p><b>Chapter 1 – Introduction</b> Handbook</p> <p><b>Chapter 2 – Planning, including selecting vulnerability and adaptation frameworks</b> Handbook Presentation</p> <p><b>Chapter 3 – Baseline socioeconomic scenarios</b> Handbook Presentation</p> <p><b>Chapter 4 – Climate change scenarios</b> Handbook Presentation</p> <p><b>Chapter 5 – Coastal resources</b></p>	<p><b>Overview</b> Scope and General Principles, and 2006 IPCC Guidelines and Relationship to Earlier IPCC Guidelines <b>IPCC Inventory software</b> Presentation <b>Cross-cutting issues</b> National arrangements Building sustainable national GHG inventory management systems Approaches to Data Collection Uncertainty Analysis in Emission Inventories Methodological Choice and Key Categories Analysis Time Series Consistency Quality Assurance / Quality Control and Verification IPCC Emission Factor Database (EFDB) Conversion tool <b>Energy Sector</b> Presentation</p>	<p><b>Training Handbook</b> Mitigation handbook <b>Module A – Mitigation of climate change</b> Presentation <b>Module B – Mitigation in Context of National Communications and the UNFCCC</b> Presentation <b>Module C – Mitigation Assessment: Concepts, Structure and Steps</b> Presentation <b>Module D – Mitigation Options, Issues and Barriers by Sector</b> Presentation <b>Module E – Mitigation Analysis: Methods and Tools</b> Presentation</p>



## CGE Training Materials for the Preparation of Biennial Update Reports from non-Annex I Parties

- Available in Arabic, English, French and Spanish
- Includes:
  - **Institutional Arrangements**
  - Mitigation Actions and Their Effects
  - **Technical and Capacity Building Needs and Support Received**
- Training materials are available [here](#).

UNFCCC Process > CGE Training materials > CGE Training Materials for the Preparation of Bi...

## CGE Training Materials for the Preparation of Biennial Update Reports from non-Annex I Parties.

COP 17 adopted the guidelines for the preparation of biennial update reports (BURs) from non-Annex I Parties. These guidelines in [decision 2/CP.17](#) and [annex III](#) outline the objectives and scope of the information to be reported. The COP decided that non-Annex I Parties, consistent with their capabilities and the level of support provided for reporting, should submit their first BUR by December 2014, and that the least developed country Parties and small island developing States may submit BURs at their discretion.

It also decided that non-Annex I Parties shall submit a BUR every two years, either as a summary of parts of their national communication in the year in which the national communication is submitted or as a stand-alone update report.

CGE has also developed training materials for the preparation of national communications (NCs).

*Please note that the secretariat does not promote any particular methods or publications.*

CGE Training Materials for the Preparation of BURs

العربية	Français	Español
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English

Institutional Arrangements	Mitigation Actions and their Effects	Technical and Capacity Building Needs and Support Received
Handbook Presentation	Updated Handbook	Updated Handbook

Support for the Preparation of National Reports

COP decisions / SBI conclusions

Contact and Feedback



### ➤ **Technical handbook for developing country Parties on preparing for implementation of the ETF under the Paris Agreement**

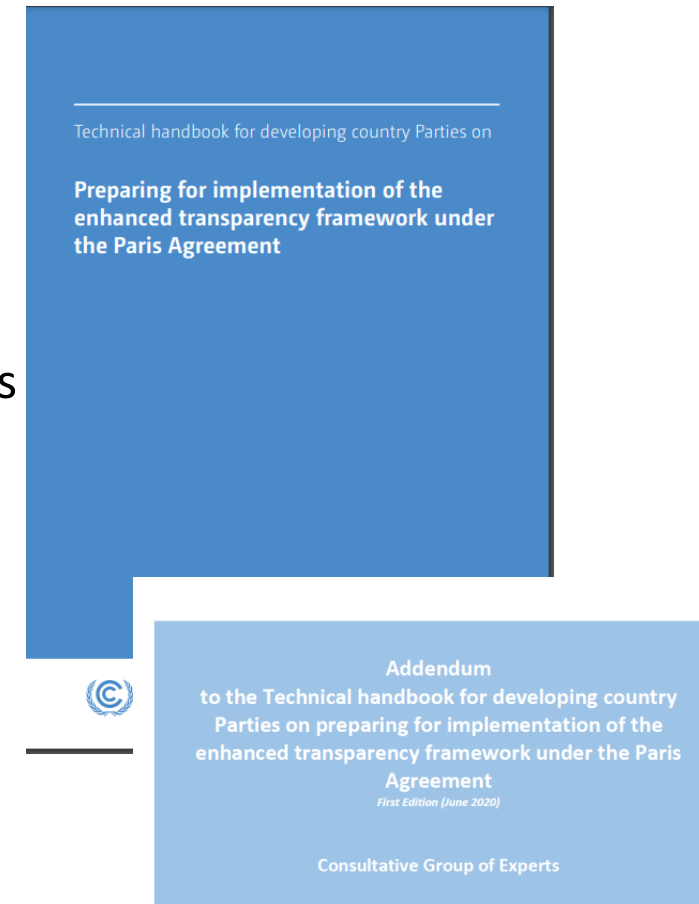
#### **First edition of the handbook:**

- Available in Arabic, Chinese, English, French, Russian, Spanish and Portuguese.
- Developed by the CGE, with the support of the secretariat, for developing country Parties on preparing for implementation of the ETF under the Paris Agreement.

#### **Second edition of the handbook:**

- Launched in Feb 2023, available in English (*Other UN languages under preparation*).
- Captures transparency outcomes from Glasgow and Sharm El Sheik.
- The updated handbook is available [here](#).

### ➤ **Addendum to the handbook:** Providing a comparison among reporting provisions on NCs, BURs, BTRs





## CGE Toolbox on Institutional Arrangements

- [Handbook in English, Spanish, French, Arabic, Chinese and Russian](#);
- Compilation of country experiences and lessons learned;
- [Compilation of references to other relevant technical resources](#);
- Animations on institutional arrangements.
- The toolbox is available [here](#).

### Sharing lessons learned and experiences - case stories

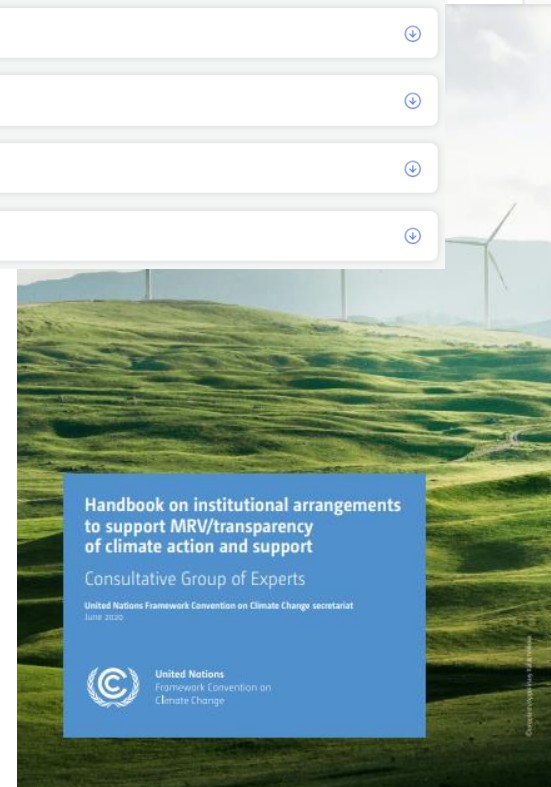
Here are reflections from more developing countries on the challenges and constraints they encountered during MRV process and approaches they have taken to address them.

*More case stories to come*

- Afghanistan
- Armenia
- Azerbaijan
- Bangladesh
- Brazil
- Chile

**Library**  
Document and resources for understanding how to prepare and write National Communications and Biennial Update on the thematic components, guidelines, methodologies and user manuals.

Guidelines and user manuals	Mitigation assessments	National GHG inventories	Other issues (finance, technical, capacity)
Vulnerability and adaptation assessments	Institutional		



**CGE toolbox on institutional arrange...**

Unlisted UN Climate Change - Events - 1/12

- CGE IA toolbox - Understanding the institution... (5:01)
- CGE IA toolbox - Establishing sustainable institutional... (4:39)
- Sharing lessons learned and experiences in... (6:36)
- Botswana - Sharing lessons learned and experiences in... (4:39)
- Sharing lessons learned and experiences in... (6:45)
- Sharing lessons learned and experiences in... (4:32)
- Sharing lessons learned and experiences in... (7:22)
- Malawi - Sharing lessons learned and experiences in... (3:45)





## Video animations and infographics on MRV and ETF arrangements

- [1 animation on the benefits of national reporting](#)
- [4 short animations on the ETF](#) (in Arabic, English, French, Russian and Spanish)
- [2 short animations on institutional arrangements](#)
- [Infographics on key aspects of ETF](#)



Meet Zibu and understand the benefits of national reporting



- 1 **Part 1: Introduction and overview of ETF (English)**  
UN Climate Change - Events  
6:59
- 2 **Part 2: Reporting under the ETF (English)**  
UN Climate Change - Events  
6:52
- 3 **Part 3: Foundational elements of MPGs (English)**  
UN Climate Change - Events  
7:05
- 4 **Part 4: Linkages – How ETF supports the Paris Agreement**  
UN Climate Change - Events  
3:36
- 5 **Partie 1 : Introduction et aperçu général du cadre de transparence renforcée**  
UN Climate Change - Events  
6:59
- 6 **Partie 2 : Rapports établis au titre du cadre de la transparence renforcée**  
UN Climate Change - Events  
7:00
- 7 **Partie 3 Éléments fondamentaux des modalités, procédures et lignes directrices MPG**  
UN Climate Change - Events  
7:25
- 8 **Partie 4 : « Liens » - Comment le cadre de transparence renforcée (CTR) soutient l'Accord**  
UN Climate Change - Events  
3:26
- 9 **الجزء الأول مقدمة ولمحة عامة عن إطار الشفافية المعزز.**  
UN Climate Change - Events  
8:06
- 10 **الجزء 2 الإبلاغ بموجب إطار الشفافية المعزز.**  
UN Climate Change - Events  
9:10





## Regional training workshops

- @2020: Existing MRV arrangements and introduction to the enhanced transparency framework
- @2021: Institutional arrangements for the existing MRV arrangements and the ETF, including data management for national GHG inventories
- @2022: Tracking progress of NDCs under the ETF, including mitigation assessment, tracking progress of implementation and achievement of NDCs through use of indicators, and support needed and received in relation to tracking progress of NDCs
- @2023: Reporting information on climate change impacts and adaptation, and support needed and received in relation to adaptation reporting.
- Documents of past training workshops are available [here](#).

## CGE Workshops.

### CGE Training Workshops 2022:

Contact and Feedback

As a part of its work plan in 2022, the Consultative Group of Experts (CGE), with the assistance of the UNFCCC secretariat, will organize three regional hands-on training workshops on Tracking progress of NDCs under the ETF, including mitigation assessment, tracking progress of implementation and achievement of NDCs through use of indicators, and support needed and received in relation to tracking progress of NDCs.

The main objective of the regional hands-on training workshops are, inter alia, to enhance the technical capacity of experts from developing country Parties (see target audience below) in establishing or building upon the understanding and application of the reporting provisions relevant for the tracking of progress of NDCs, including identifying indicators, as well as for the support needed and received in relation to tracking progress of NDCs.

Specifically, after completing the hands-on training, participants are expected to:

Further enhance the understanding of the existing MRV arrangements and the ETF;

Acquire good knowledge of the key components of tracking progress of NDCs;

Understand the key support needed and received in relation to implementing NDCs, who are the main stakeholders in terms of data ownership and how to compile the relevant information;

Understand the key components to establish sustainable institutional arrangements to tracking progress of NDCs;

Acquire examples of tools and practical experiences that can be built on and/or applied to develop relevant indicators to demonstrate progress of implementation and achievement of NDCs;

Discuss gaps and capacity-building needs to establish and report information on tracking progress of NDCs.

Date/Language	Supporting documents
19 to 21 October 2022 CGE hands-on training workshop for the Asia Pacific and Eastern Europe region on Tracking progress of NDCs under the ETF, including mitigation assessment, tracking progress of implementation and achievement of NDCs through use of indicators, and support needed and received in relation to tracking progress of NDCs (Newsw, Armenia)	coming soon
5 to 7 December 2022 CGE hands-on training workshop for the Latin-America and Caribbean Region on Tracking progress of NDCs under the ETF, including mitigation assessment, tracking progress of implementation and achievement of NDCs through use of indicators, and support needed and received in relation to tracking progress of NDCs (Basen, Germany)	coming soon
5 to 7 December 2022 CGE hands-on training workshop for the African region on Tracking progress of NDCs under the ETF, including mitigation assessment, tracking progress of implementation and achievement of NDCs through use of indicators, and support needed and received in relation to tracking progress of NDCs (Basen, Germany)	coming soon

2021 CGE Virtual Training Workshops

2020 CGE Virtual Training Workshops

2019 CGE Workshops

2018 CGE Meetings/Workshops

2017 CGE Meetings/Workshops

2016 CGE Meetings/Workshops

2015 (first half) CGE Meetings/Workshops

2015 (second half) CGE Meetings/Workshops



## Regional webinars

- @2020
  - Transitioning from the Revised 1996 to 2006 IPCC guidelines for national GHG inventories;
  - Synergies at the national level in data collection for reporting under the existing MRV arrangements, the ETF, the SDGs monitoring framework and other international instruments
- @2021
  - Synergies at the national level in data collection for reporting under the existing MRV arrangements, the ETF, the SDGs monitoring framework and other international instruments
  - Embedding climate reporting in national statistics as a way of enhancing institutional arrangements in a sustainable manner
- @2022: Benefits of the climate transparency arrangements and ETF at the national level.
- @2023: CGE's recently updated training materials on mitigation.
- Recordings of past webinars are available [here](#).

## CGE Webinar series.

The CGE has launched its 2022 webinar series on "How climate transparency arrangements matter at the national level?"

The transparency arrangements provide a platform for all Parties to provide reliable, transparent and comprehensive information on actions and support. Apart from fulfilling international reporting requirements in a timely manner and on a sustainable basis, transparency arrangements can deliver national benefits such as a source of information and data in helping to design evidence-based effective policies, creating opportunities to demonstrate accountability, providing a basis to identify support needs, involving the private sector and improving access to climate funding, etc. However, without proper enabling environment, some of these benefits won't happen by themselves.

In that context, the 2022 CGE webinar series will be organized with a view to facilitating the enhancement of developing countries' transparency arrangements under the Convention and the Paris Agreement, in a manner that taps into national benefits of climate transparency and how to deliver these benefits. The webinars aim to:

- Showcase the potential national benefits of climate transparency;
- Discuss processes and approaches that might be useful to deliver the national benefits of climate transparency;
- Discuss often seen challenges to deliver the national benefits of climate transparency and possible ways to address them;
- Showcase relevant experiences, lessons learnt and best practices from countries; and
- Provide an interactive platform to share experiences and lessons learned.

2022 Webinar Series

Contact and Feedback

Title	Overview	Date	Time (CEST)	Presentations	Link to the video
CGE webinar on "How climate transparency arrangements matter at the national level?" for the Latin America and the Caribbean region	Welcome and opening remarks; Scene-setting presentation: National benefits of climate transparency Presentation: How to deliver national benefits of climate transparency Country presentation: Demonstrating national benefits of climate transparency and specific approaches to deliver these benefits Q&A session.	16 August 2022	16:00 - 17:00	consolidated presentations (Spanish)	<a href="#">Link to YouTube video</a>
CGE webinar on "How climate transparency arrangements matter at the national level?" for the Asia and Pacific region	Welcome and opening remarks; Scene-setting presentation: National benefits of climate transparency Presentation: How to deliver national benefits of climate transparency Country presentation: Demonstrating national benefits of climate transparency and specific approaches to deliver these benefits Q&A session.	26 July 2022	8:00 - 9:00	consolidated presentations	<a href="#">Link to YouTube video</a>
CGE webinar on "How climate transparency arrangements matter at the national level?" for the Africa and the Eastern Europe regions	Welcome and opening remarks; Scene-setting presentation: National benefits of climate transparency Presentation: How to deliver national benefits of climate transparency Country presentation: Demonstrating national benefits of climate transparency and specific approaches to deliver these benefits Q&A session.	7 July 2022	14:00 - 15:00	consolidated presentations	<a href="#">Link to YouTube video</a>

- 2021 Webinar Series
- 2020 Webinar Series
- 2018 Webinar Series



# CGE - Collaboration and engagement activities



United Nations  
Climate Change Secretariat



CGE WEBSITE



MRV ETF  
HELPDESK



SOCIAL MEDIA



CONSTITUTED  
BODIES AND  
EXPERT GROUPS



## Overview



Overview of Support Provided for Developing Countries...

As the climate crisis deepens, it is increasingly clear that developing countries need more support...

## Consultative Group of Experts (CGE)



The CGE is a group of experts from various countries...

The CGE provides technical support and advice to governments...

## Financial and Technical Support



The CGE provides financial and technical support to governments...

This support is provided through various channels...

## Guidelines, Manuals and Tools



The CGE has developed various guidelines, manuals, and tools...

These resources are available on the CGE website...

## Training



The CGE provides training to governments and experts...

This training is provided through various channels...

**ANNUAL INFORMAL FORUMS**  
*(bringing together key stakeholders to seek feedback on its work and brainstorm on key factors to enable successful implementation of MRV and the ETF)*

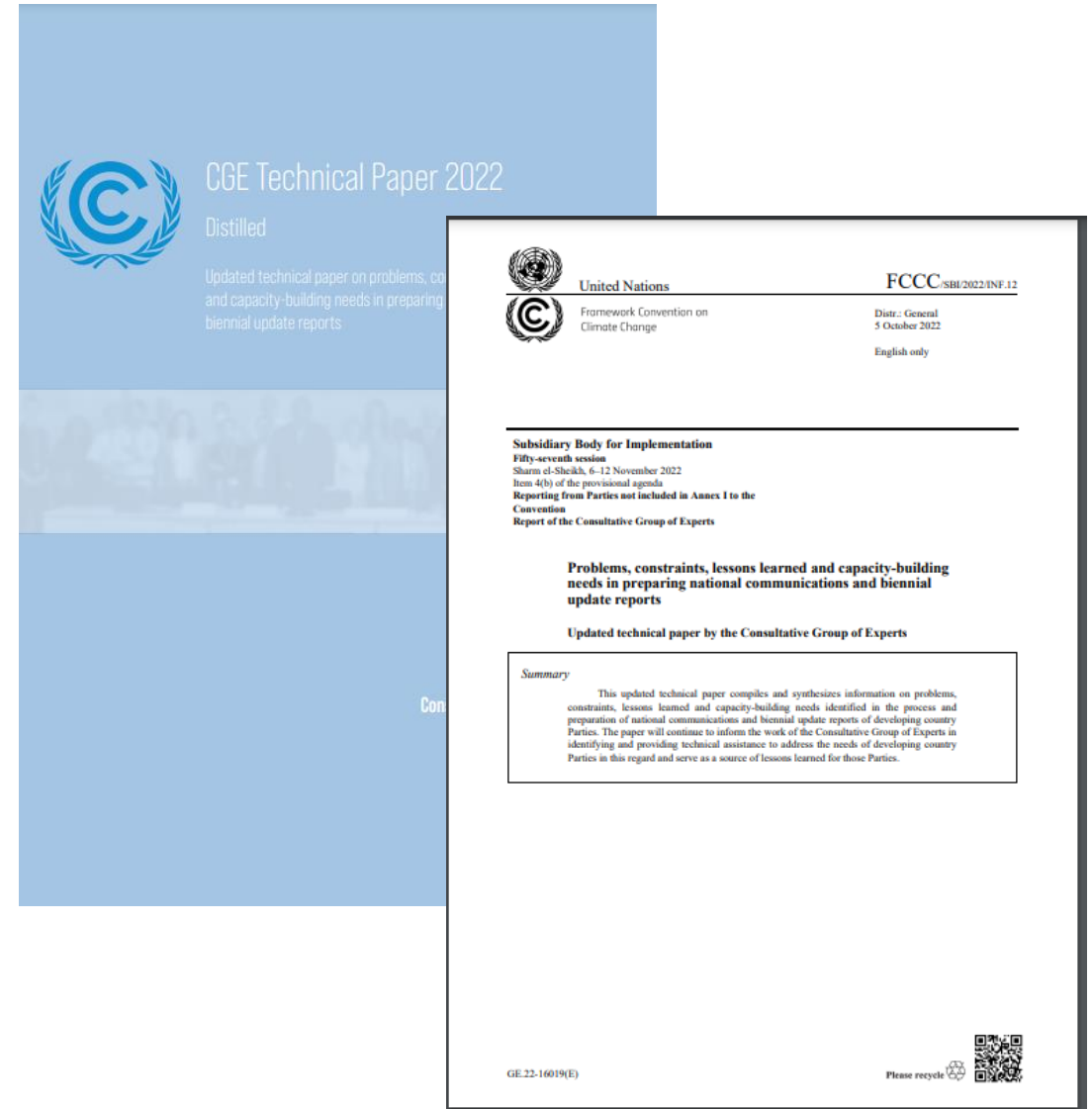


# Transparency Needs Assessment



United Nations  
Climate Change Secretariat

- The CGE conducts annual assessment of the existing and emerging needs and gaps of developing countries in implementing the existing MRV arrangements and preparing for ETF and prepares a technical paper containing the results.
- The information draws on, among others, national communications (NCs) and biennial update reports (BURs) and summary reports on the technical analysis of BURs.
- The CGE also produces distilled versions of technical paper, that provides visual presentation of the information contained in the technical paper.
- CGE transparency needs assessment reports are available [here](#).

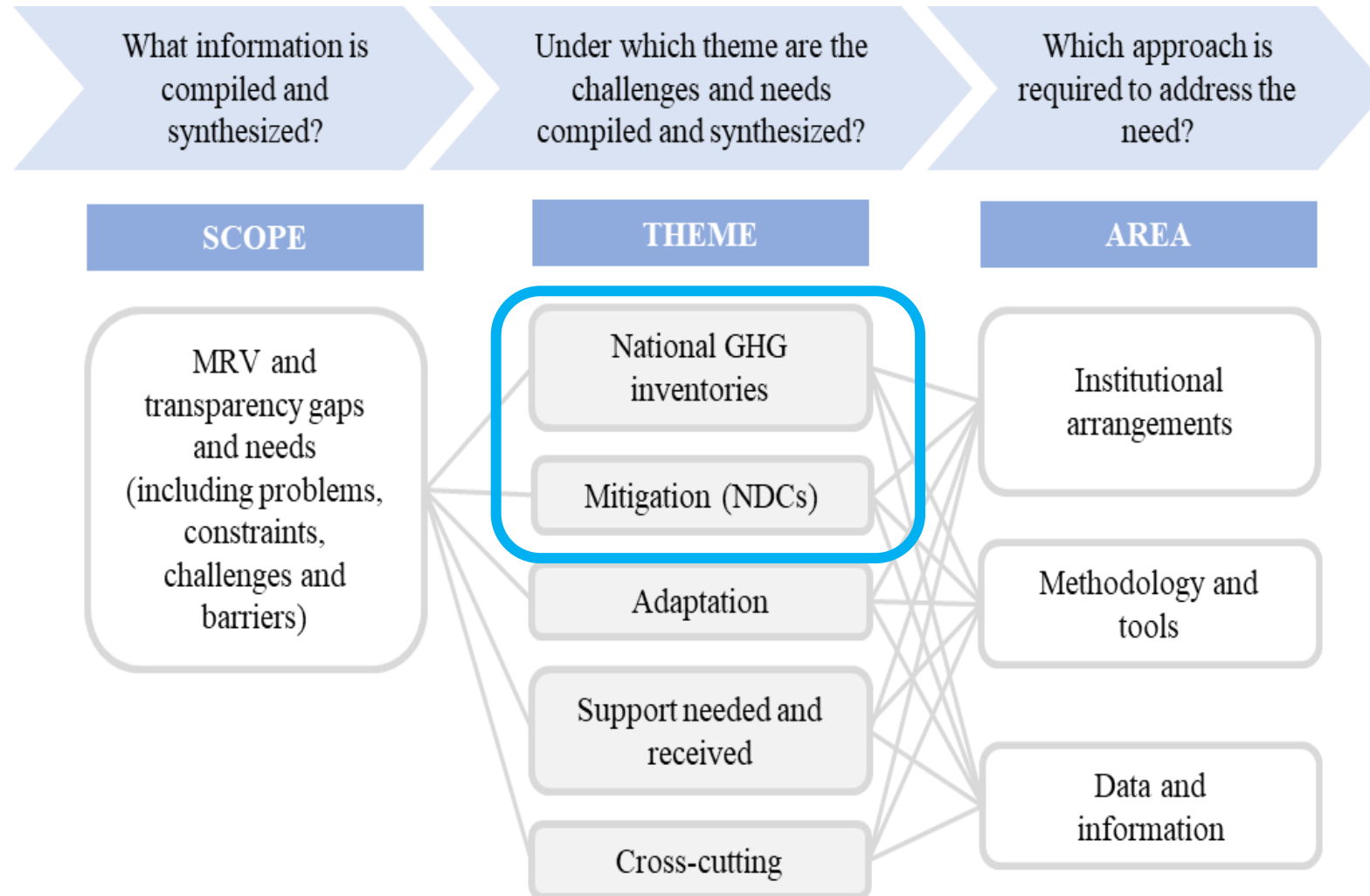




# 2022 Transparency Needs Assessment



United Nations  
Climate Change Secretariat



Analytical framework for the compilation and synthesis of challenges and needs reported by developing country Parties



- ✓ UNFCCC-GIR-CASTT is a professional four-week intensive training programme on GHG inventories for national experts from developing countries. The programme is being offered annually in collaboration with the Greenhouse Gas inventory & Research Center of Korea (GIR) since 2017.
- ✓ It aims to enhance the technical capacity and overall competency of experts from developing countries to enable them to prepare and report high-quality GHG inventories.
- ✓ It also serves as a model for delivering a targeted professional training programme and as a South-South cooperation.
- ✓

## ✓ Course contents:

- Reporting and review under the UNFCCC and Paris Agreement
- GHG Inventory Compilation
- Sectoral GHG Estimation Methodology
- GHG Projections
- Hands-on exercises



Organized and Sponsored by



In Collaboration with



Supported by





# UNFCCC CASTT Adaptation Academy



United Nations  
Climate Change Secretariat

- ✓ The [CASTT](#) Adaptation Academy aims to enhance the technical capacity of developing countries to conduct vulnerability and adaptation assessments, prepare and report, in timely manner, information resulting from such assessments and the implementation of national adaptation actions, including their NDCs, for their NCs, BURs, and BTRs.
- ✓ The goal is to enable a systematic, generational step-change in capacity to meet the ambitions of the Paris Agreement, its associated NDCs, and other climate commitments.
- ✓ It is designed to provide a multi-week training programme on the Paris Agreement, with a focus on the adaptation reporting aspects of the ETF.
- ✓ Other major topics are anticipated to include: *planning, policy frameworks, coordination across ministries and governance levels, working with the private sector, finance and cost-benefit analyses, vulnerability and risk assessments, ecosystems, infrastructure, transboundary considerations, and social, gender, and cultural equity issues.*





# UNFCCC Needs-based climate finance



COP 23: Long-term climate finance, 6/CP.23, paragraph 10

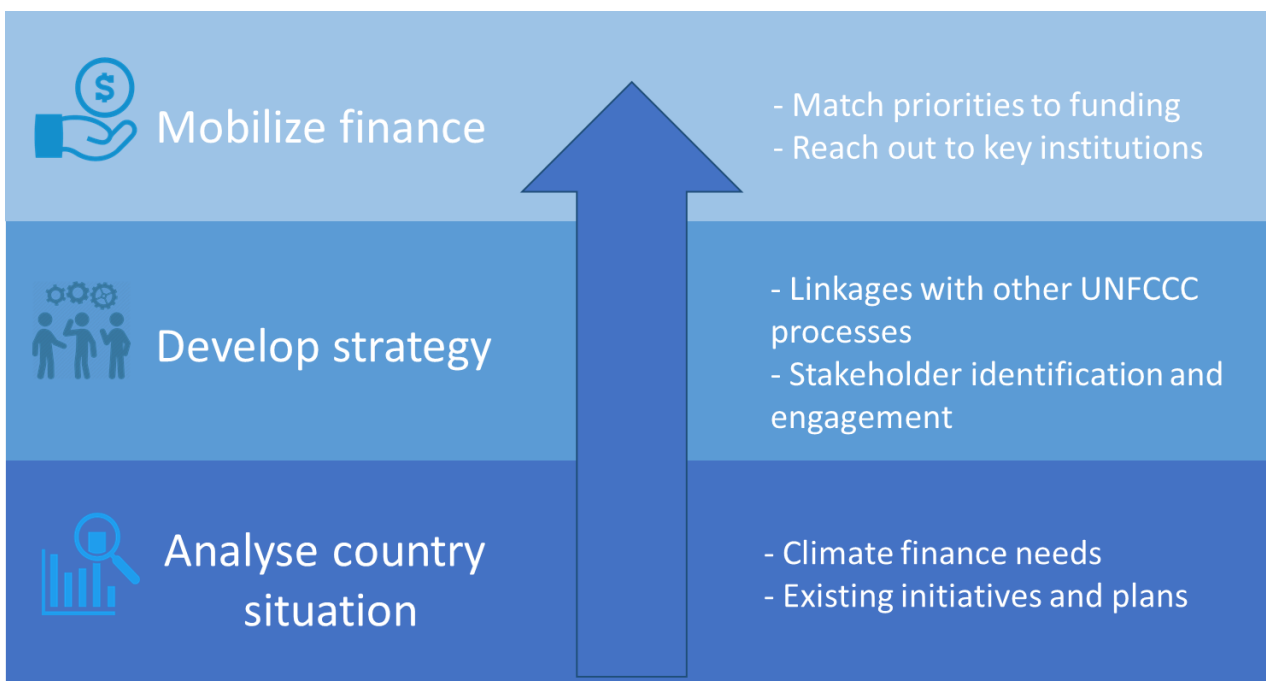
“Explore ways and means to assist developing country Parties in assessing their needs and priorities, in a country-driven manner, including technological and capacity-building needs, and in translating climate finance needs into action.

In collaboration with the operating entities of the Financial Mechanism, United Nations agencies and bilateral, regional or multilateral channels



# Objective

Support the needs identified by developing countries to:



In accordance with the goals outlined in their nationally determined contributions (NDCs) and national adaptation plans (NAPs)

The project will focus initially on several pilot partner countries distributed amongst the regions of Latin America and the Caribbean, Africa and Asia and the Pacific.



# Role of the UNFCCC:



Use its expertise and convening power to assist the countries participating in the project through a country-driven process. More specifically:



## COLABORATE

Collaborate to ensure that project design & workplans are tailored to the specific needs & priorities identified by each country



## SUPPORT

Support in organizing, synthesizing & analysing information for the development of a national climate finance strategy in each partner country, including through the development of customised tools

Support identification of relevant stakeholders & facilitate their engagement in the project to foster synergies, create opportunities for collaboration and establish partnerships



## ASSIST

Assist in reaching out to key public & private financing institutions (domestic & international) to mobilize financing for the priority mitigation & adaptation projects & programmes identified by the partner countries



## PROMOTE

Promote linkages with relevant processes under the UNFCCC & the Paris Agreement

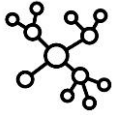


## FACILITATE

Facilitate the exchange of experiences & lessons learned and the dissemination of project results

# Planned activities:

## Phase I Initial engagement



Stakeholder mapping for each partner country



Development of engagement strategy



Coordination and collaboration with relevant processes under the Convention and with external partners

## Phase II Technical Work



Support the enhancement and/or development of customised tools



Inter-agency and multi-stakeholder engagement at the country level



Organization of in-country technical workshops for climate finance strategy development

## Phase III Support to resource mobilization



Facilitate the connection between support providers and countries, e.g. through conducting a series of outreach activities



Production of outreach materials, such as brochures, fact sheets or videos, including country-specific materials

## Phase IV Assessment/ Evaluation



Evaluation of project activities and outcomes



Facilitating exchange of experiences amongst partner countries



Exploring replicability of approach to other countries



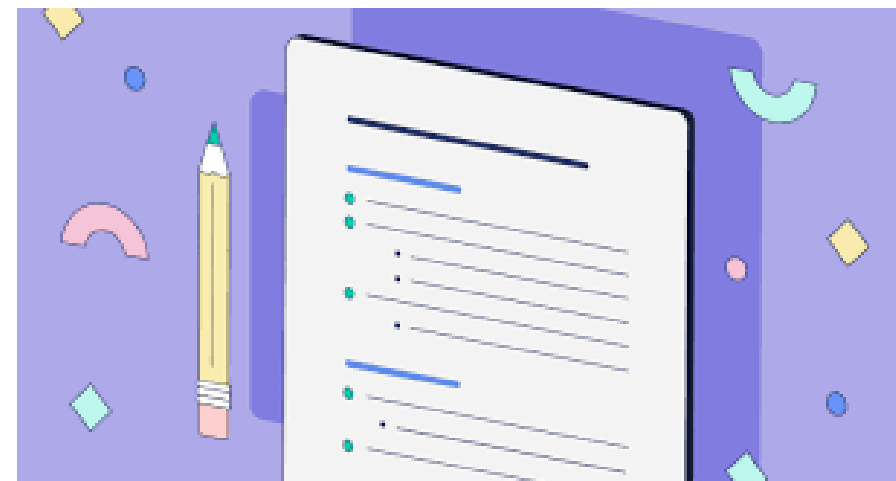
Presentation of project outcomes, success stories and lessons learned at COP24

# Example of a UNFCCC Country assistance project – Electricity Sector

- How much support has already been mobilized and disbursed to implement the different energy-related NDC targets from a) national sources and b) international funds?
- How much financing is still needed and what are the potential sources?
- What is missing in order to translate these conditional and unconditional targets into bankable projects and investments: What are the challenges, gaps and barriers to secure the financing for each energy-related NDC activity?
- What are the recommendations to overcome these challenges in a form of a clear road map and next steps?



- Technical workshops related to Article 6.2 of the Paris Agreement
- [Link](#)





## Report

BTR and NC  
preparation



## Capacity

CBIT



## Global Support

Support platform

*Enhanced Support to Countries for Article 13 of Paris Agreement*

# CBIT - Global Support Programme

- Support the transition to the BTRs.
- Assist countries submit the NCs & last BURs.
- Provide a one stop shop for transparency.

**Institutional Arrangements:** Funded by GEF, Implemented by UNEP & Executed by UNEP-CCC

**Duration:** April 2022 to 2026.

**Budget:** ~ 9 Million USD





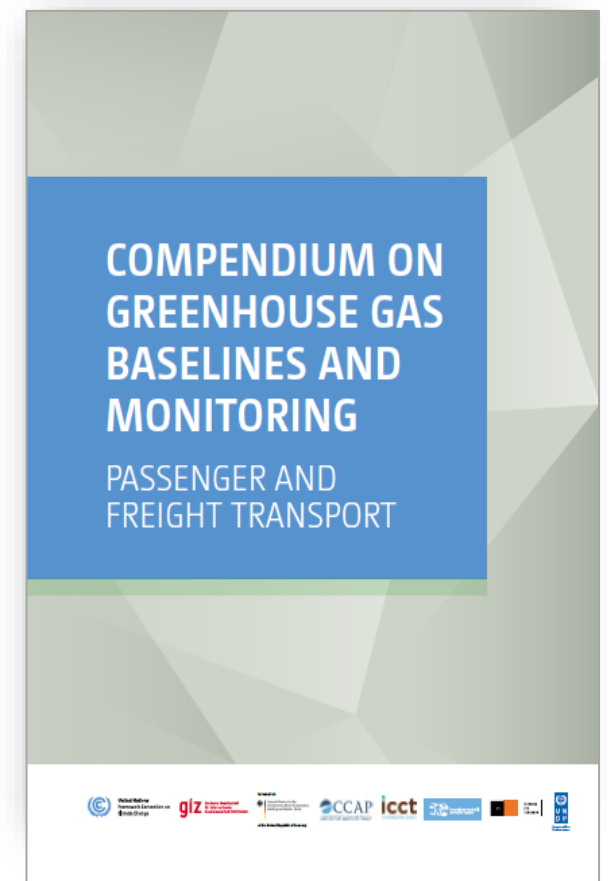
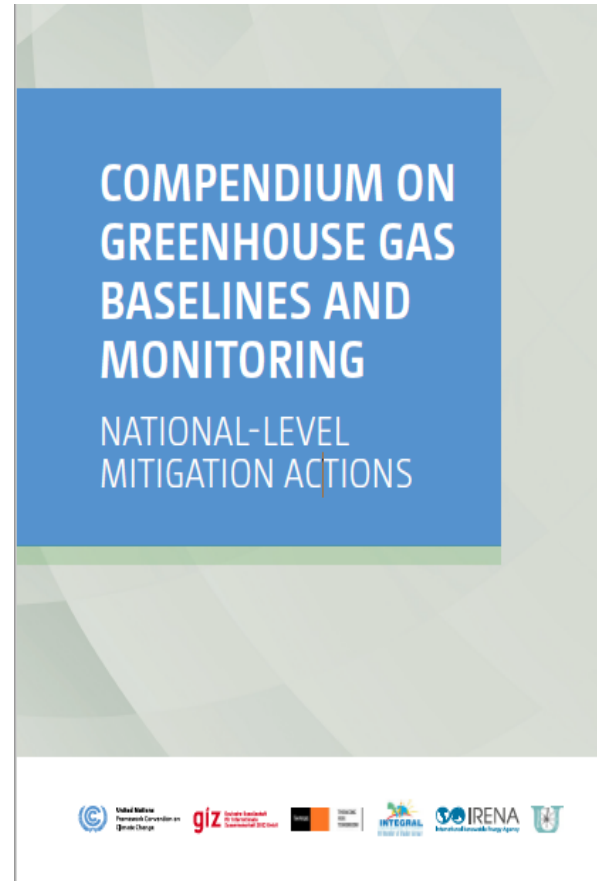
# UNFCCC technical support in collaboration with partners (examples)

Available on UNFCCC webpages:

1. Tools and Training Materials for non-Annex I [Click here](#)
2. e-Network [Click here](#)

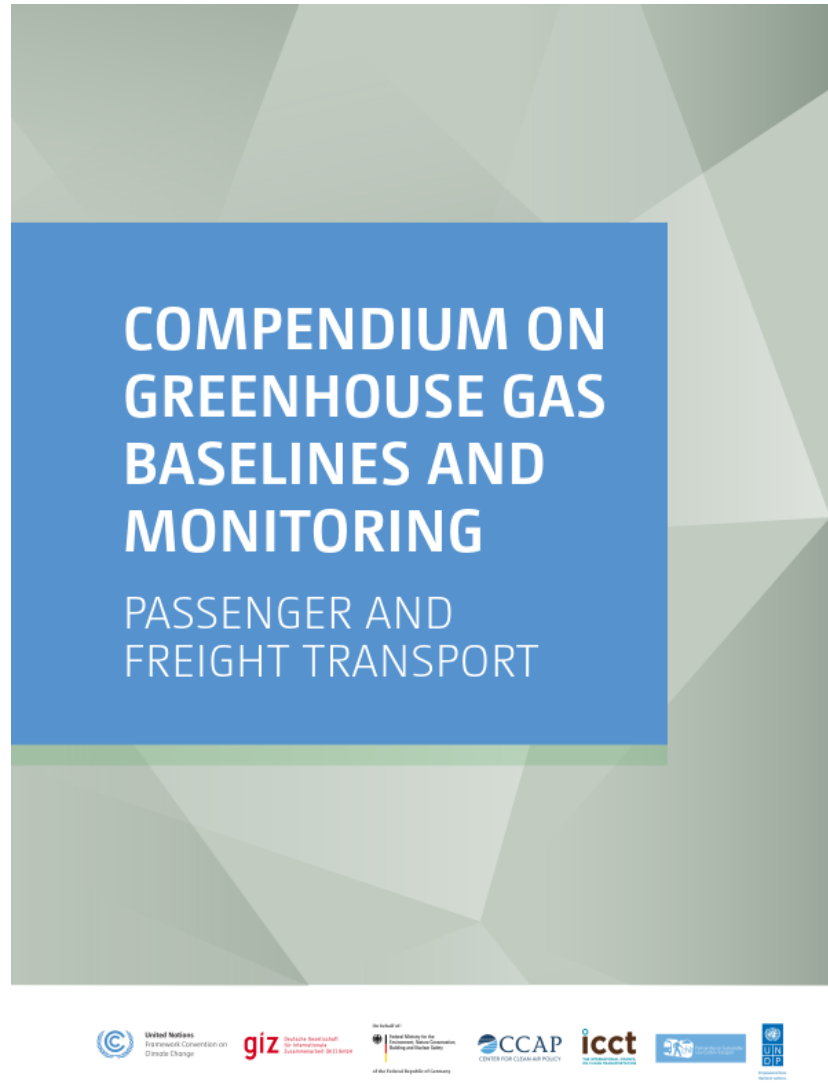
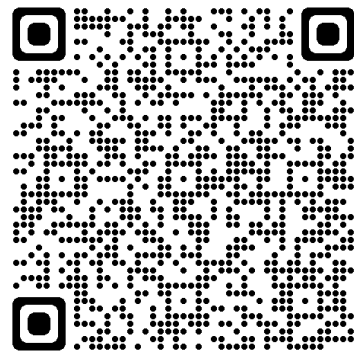
Contact: Marlan Pillay

Email: [mpillay@unfccc.int](mailto:mpillay@unfccc.int)



# Methodological support. Transport volume

## UNFCCC Compendium



1. Intra-urban mass rapid transit investments
2. Comprehensive urban transport programmes
3. Vehicle efficiency improvement programmes
4. Alternative fuels incentives
5. Inter-urban rail infrastructure
6. Freight transport infrastructure investments to shift mode
7. National fuel economy standards
8. Pricing policies
9. Urban freight (new!)
10. Ride hailing (new!)

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**THANK YOU FOR  
YOUR ATTENTION.**

<https://unfccc.int/CGE>



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Climate Change Secretariat