



# CLIMATE CHANGE COMMISSION



# **Philippines' first BTR: Lessons Learned and Sharing of Experience**

22<sup>nd</sup> Workshop on Greenhouse Gas Inventories in Asia (WGIA22)

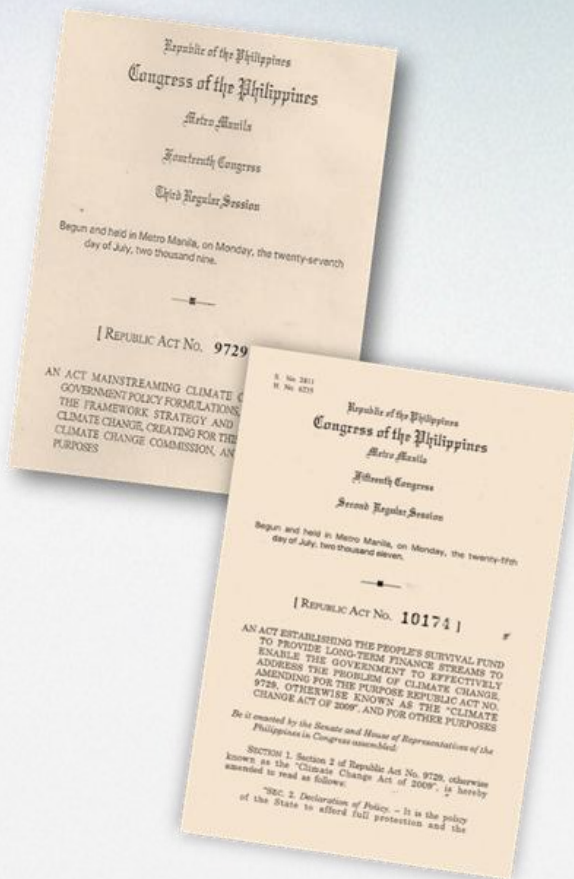
Jacinth Paul C. Apostol  
Scientific Documentation Officer III  
Climate Change Commission  
15 July 2025



# Presentation Outline

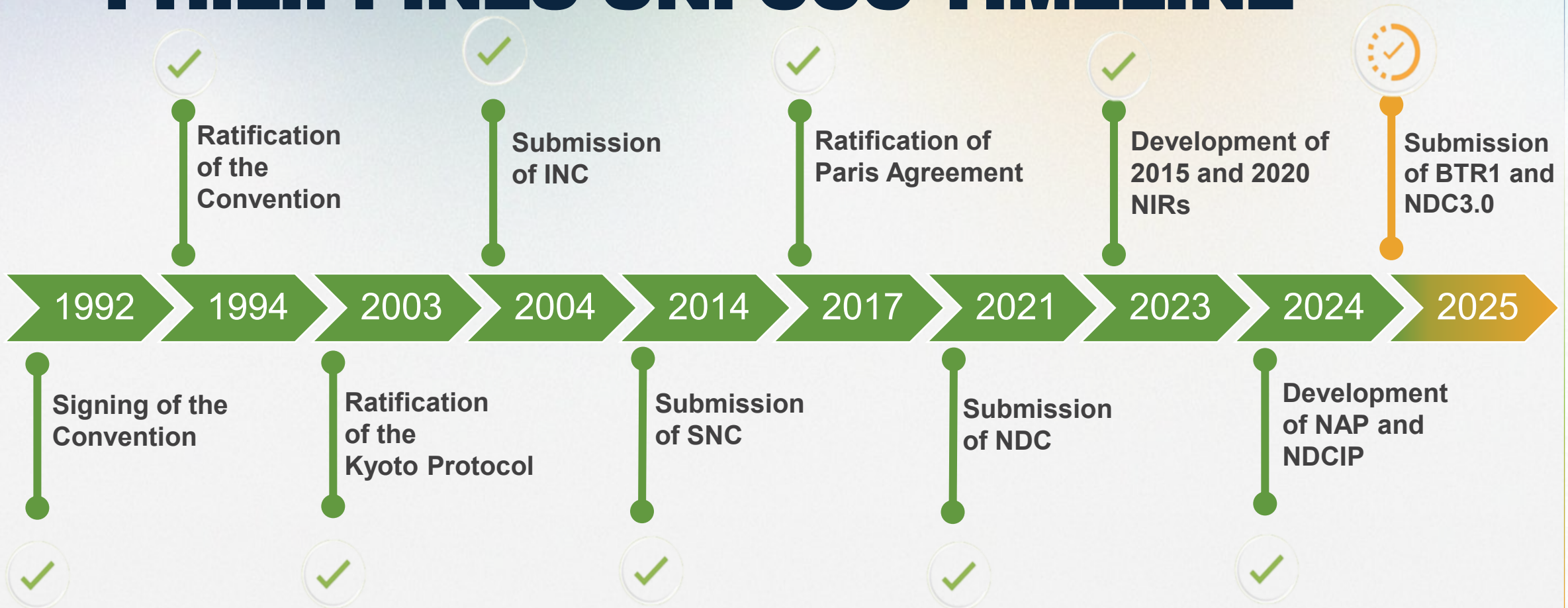
- i. Climate Change Commission
- ii. Philippines-UNFCCC Timeline
- iii. Legal Bases
- iv. National GHG Inventories
- v. PH BTR1
- vi. Challenges and Lessons Learned
- vii. Objectives of PH Transparency

# CLIMATE CHANGE COMMISSION



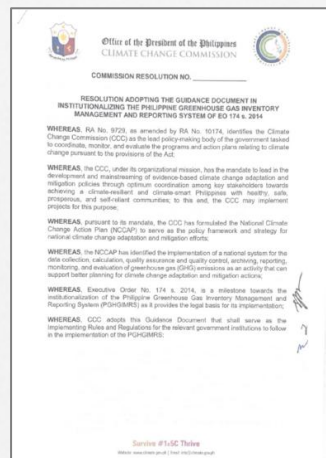
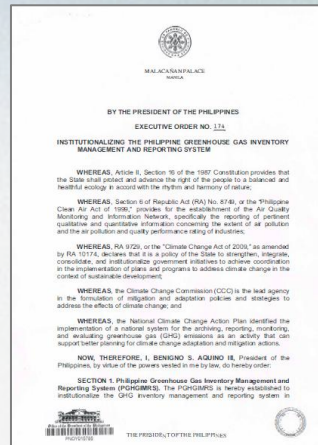
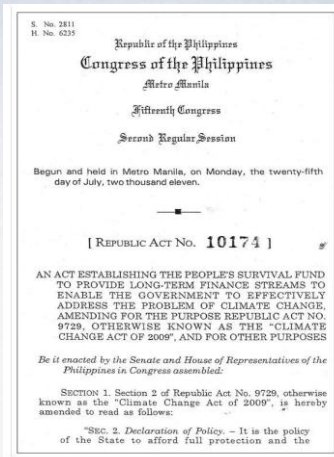
- Established by Republic Act No. 9729, as amended by RA 10174
- **Lead policymaking body** of the government tasked to coordinate, monitor, and evaluate to ensure mainstreaming of climate change
- One of the National Focal Points to the UNFCCC; lead government agency for Transparency and Climate Reports
- Attached to the Office of the President

# PHILIPPINES-UNFCCC TIMELINE

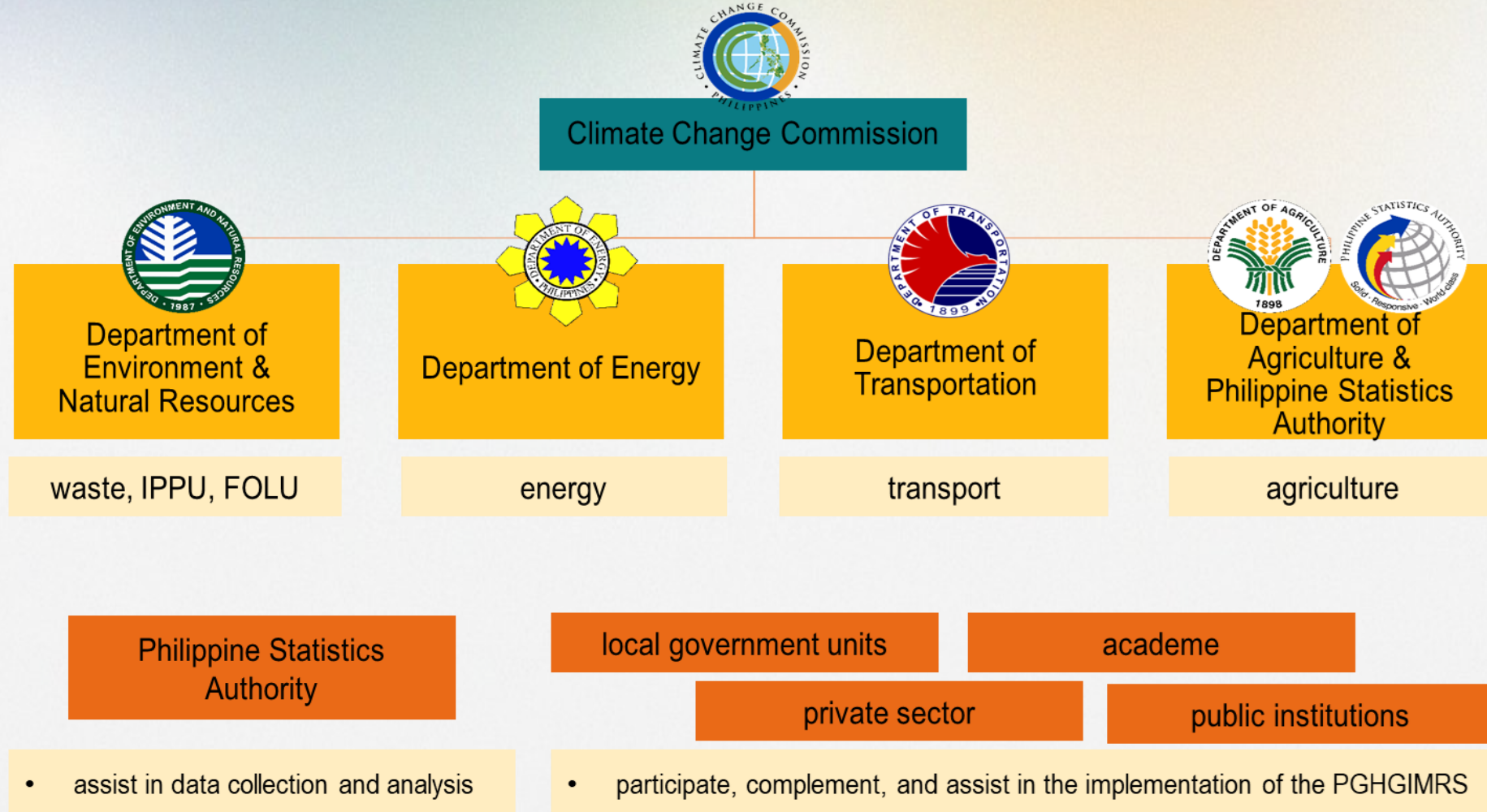


# LEGAL BASES

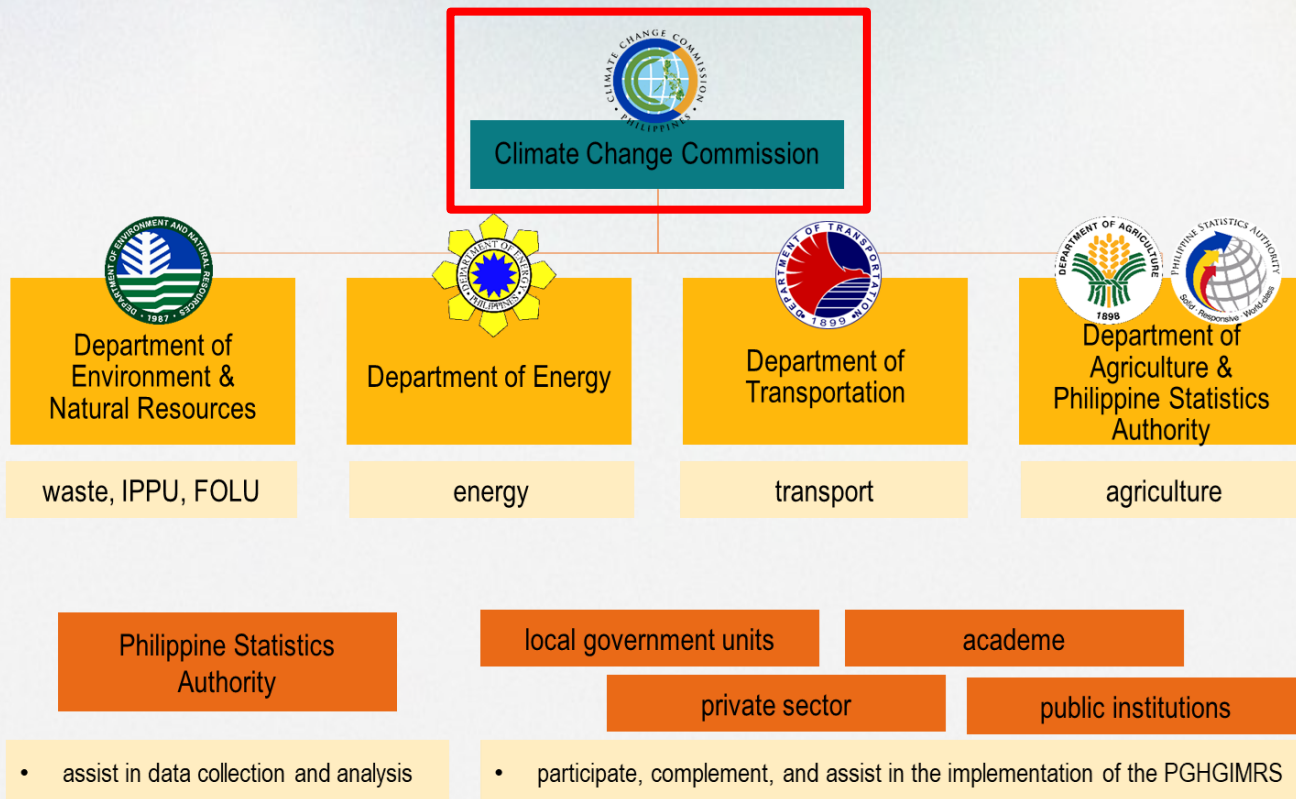
- **Climate Change Act, as amended:** Mandates the CCC to formulate strategies to mitigate GHG emissions
- **Executive Order No. 174, s.2014:** Institutionalizes the GHG inventory management and reporting system
- **CCC Resolution 2018-003: Guidance Document** Provides guidance to agencies in preparing and submitting GHGI
- **CCC Office Order 2019-122:** Institutional arrangements within CCC to implement E.O. 174



# INSTITUTIONAL ARRANGEMENT (EO 174)



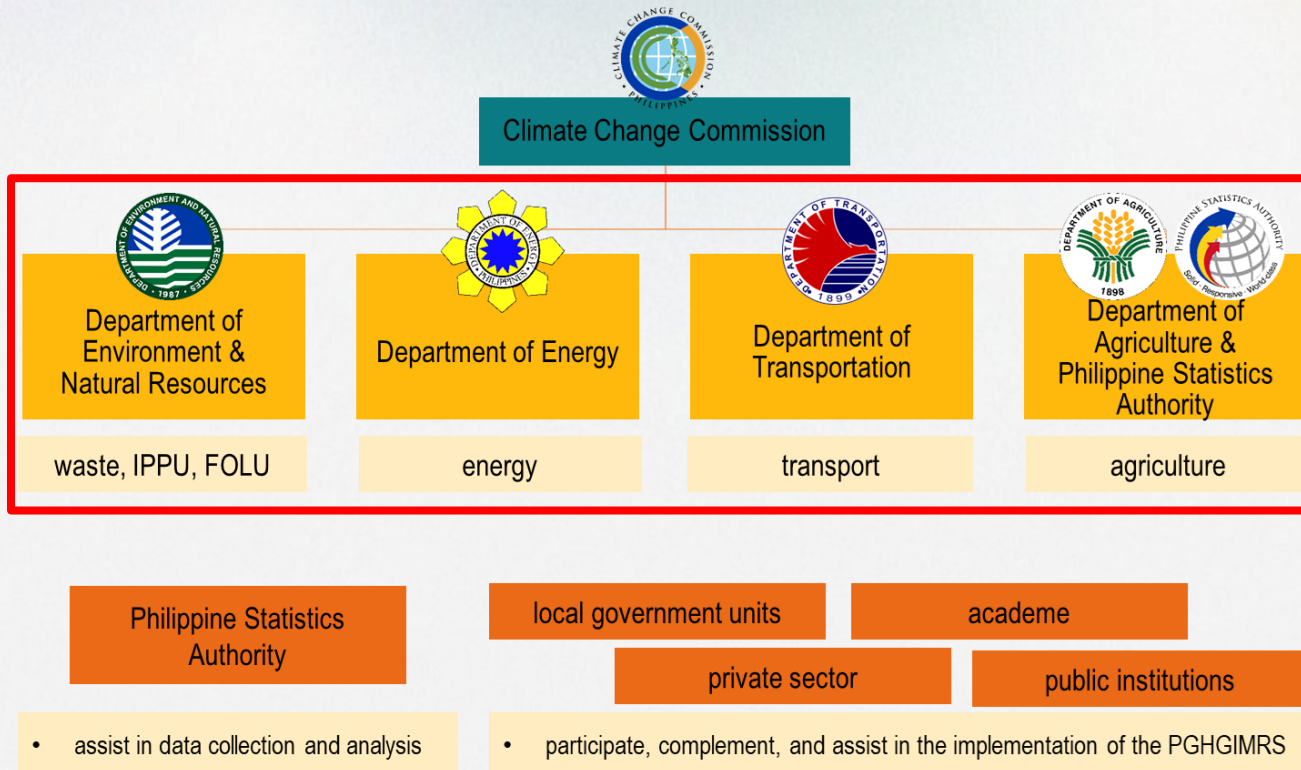
# INSTITUTIONAL ARRANGEMENT (EO 174)



## OVERALL LEAD AGENCY

1. Provide direction and guidance
2. Develop archiving, reporting, monitoring, and evaluating GHGI
3. Provide continuous capacity building
4. Conduct the National GHGI QA/QC

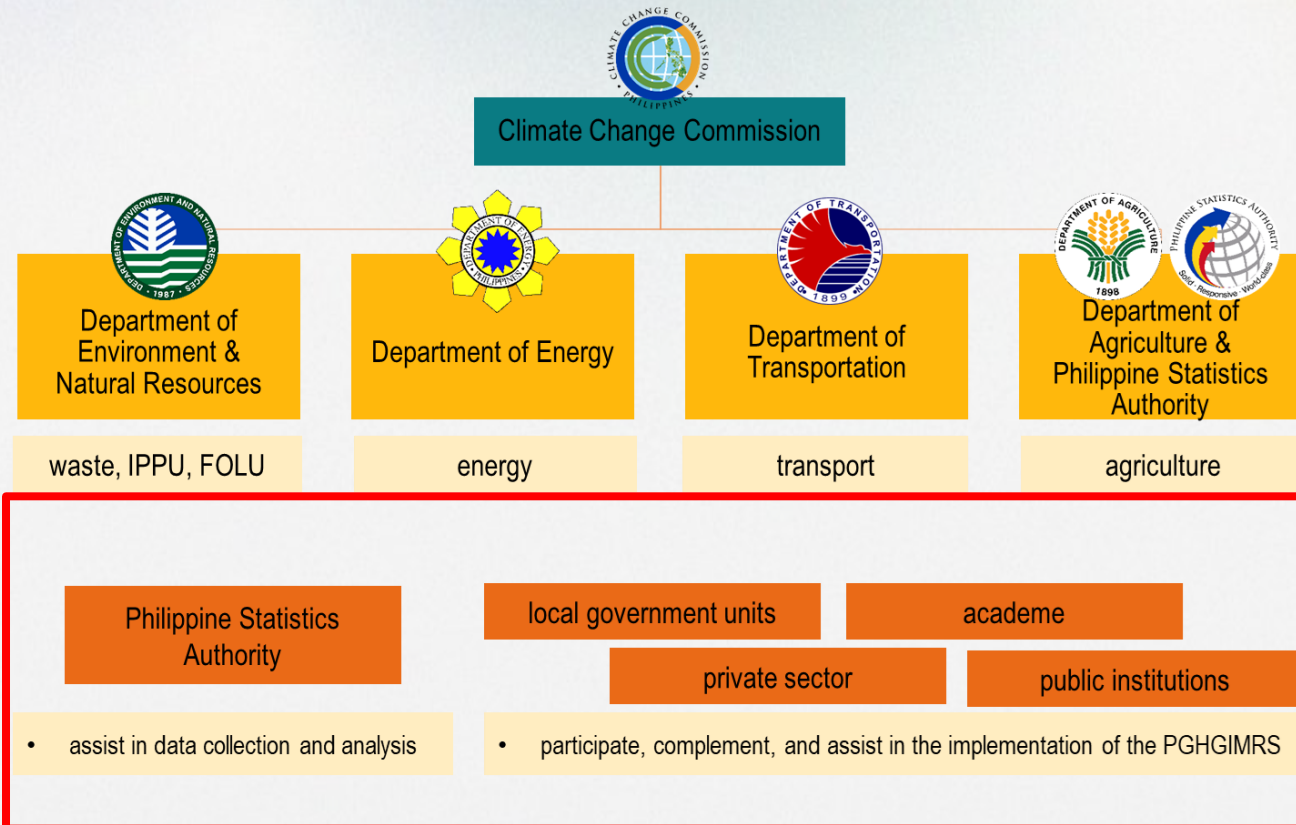
# INSTITUTIONAL ARRANGEMENT (EO 174)



## ROLES OF LEAD AGENCIES

1. Conduct and monitor sector-specific GHG inventory
2. Report GHGI to CCC based on the agreed reporting scheme and timeline

# INSTITUTIONAL ARRANGEMENT (EO 174)



## Support Institutions

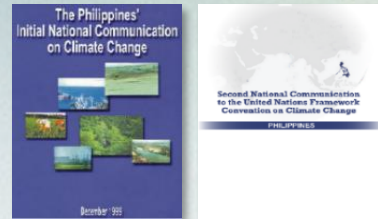
1. Data collection and analysis
2. Participate, complement, and assist in the implementation

# SUMMARY OF PH GHG INVENTORIES

Year	1994	2000	2010	2015	2020
Methodology Used	1996 IPCC	1996 IPCC	2006 IPCC	2006 IPCC	2006 IPCC
Global Warming Potential	AR2	AR2	AR4	AR5	AR5
Sector GHG Emissions (GgCO <sub>2</sub> e)					
Energy (with Transport)	50,038	69,667	77,279	106,143	129,286
Industry/IPPU	10,603	8,610	8,363	23,176	30,122
Agriculture	33,130	37,003	43,152	52,704	54,080
FOLU/ LULUCF	-126	-105,111	-37,007	35,668	-25,935
Waste	7,094	11,599	15,559	15,297	16,772
<b>Total (without FOLU)</b>	<b>100,864</b>	<b>126,879</b>	<b>144,352</b>	<b>197,319</b>	<b>230,260</b>
<b>Total (with FOLU)</b>	<b>100,738</b>	<b>21,767</b>	<b>107,345</b>	<b>232,988</b>	<b>204,325</b>

# SNAPSHOT OF PH GHG INVENTORIES

**2** NATIONAL COMMUNICATIONS submitted (2004 & 2014)



**EO 174**  
Philippine Greenhouse Gas Inventory Management & Reporting System

**6** Legal issuances creating GHG inventory teams in various EO-174 agencies



**AWITFE**  
sectors covered

Agriculture Waste IPPU  
Transport FOLU Energy

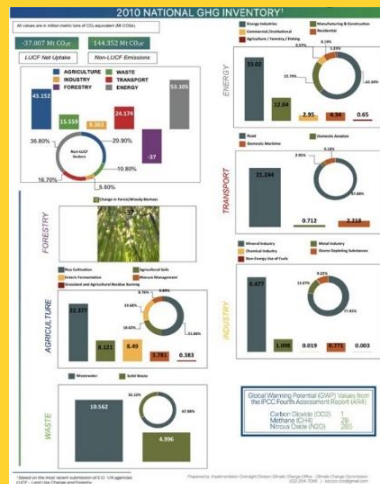
transparency system for climate action and support

NATIONAL INTEGRATED CLIMATE CHANGE DATABASE AND INFORMATION EXCHANGE SYSTEM



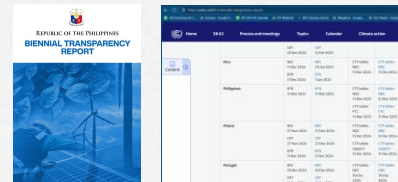
[niccdies.climate.gov.ph/](http://niccdies.climate.gov.ph/)

1994 2000 2010  
2015 2020



NATIONAL INVENTORY REPORTS

**1** BIENNIAL TRANSPARENCY REPORT submitted (2025)



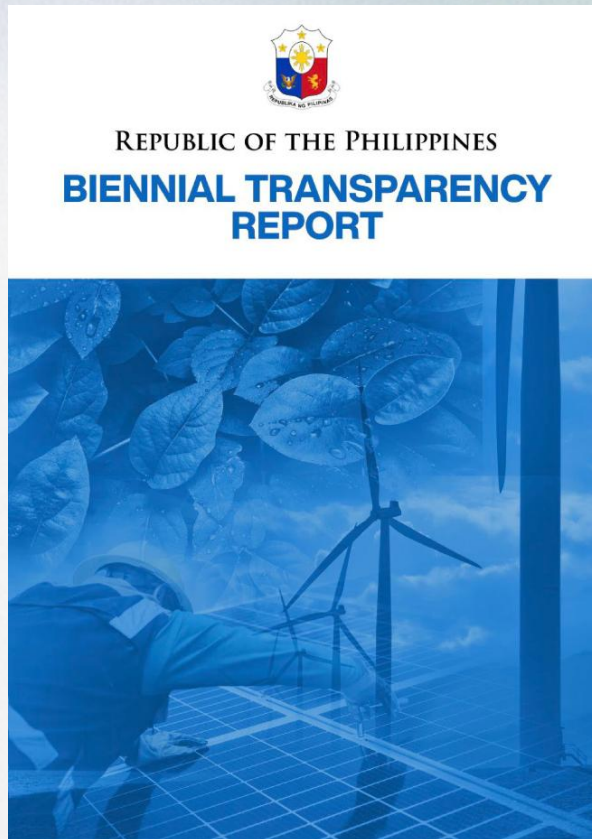
**5** NATIONAL GHGI TOOLS

- EO 174 Guidance Document
- Sectoral GHGI Templates
- GHG Data Checklist
- QA/QC Critical Fixes Tool
- QA/QC Stocktake Tool

**50+** GHGI capacity building activities

**2015** INDC submitted  
**2021** NDC submitted

# Philippines' First BTR (PH BTR1)



- The Philippines, a country **highly vulnerable to climate change**, stands at the frontline of global climate action.
- BTR **reaffirms the Philippines' commitments** under the United Nations Framework Convention on Climate Change (UNFCCC) and the Paris Agreement.
- This Report provides a transparent and comprehensive overview of the **nation's progress in implementing climate change mitigation and adaptation** measures that enable the transition toward a **climate-resilient and climate-smart Philippines**.
- The Philippines' BTR was prepared by the **Government of the Philippines**, led by the Climate Change Commission (CCC).

# PH BTR1 Technical Working Group

**OFFICE ORDER**  
No. 2024-10-015

**SUBJECT: SPECIAL WORKING GROUP FOR THE BIENNIAL TRANSPARENCY REPORT DEVELOPMENT**

18 October 2024

**HON. RAPHAEL PERPETUO M. LOTILLA**  
Secretary  
Department of Energy  
BGC, Tagay City

**SUBJECT: REQUEST FOR NOMINATION OF TECHNICAL WORKING GROUP MEMBERS FOR THE PREPARATION OF THE BIENNIAL TRANSPARENCY REPORT**

Dear Secretary Lotilla:

The Philippines, as a Party to the Paris Agreement, remains committed to strengthening the global response to climate change by aiming to limit the global temperature rise this century to well below 2°C, while pursuing efforts to limit the increase even further to 1.5°C. In line with the Paris Agreement, the Philippines remains committed to strengthening the global response to climate change by aiming to limit the global temperature rise this century to well below 2°C, while pursuing efforts to limit the increase even further to 1.5°C. In line with the Paris Agreement, the Philippines remains committed to strengthening the global response to climate change by aiming to limit the global temperature rise this century to well below 2°C, while pursuing efforts to limit the increase even further to 1.5°C.

18 October 2024

**ATTY. ANALIZA REBUELVA-TEH**  
Undersecretary for Finance, Information System and Communication  
Department of Environment and Natural Resources  
Visayas Avenue, Quezon City

**SUBJECT: REQUEST FOR NOMINATION OF TECHNICAL WORKING GROUP MEMBERS FOR THE PREPARATION OF THE BIENNIAL TRANSPARENCY REPORT**

Dear Undersecretary Teh:

The Philippines, as a Party to the Paris Agreement, remains committed to strengthening the global response to climate change by aiming to limit the global temperature rise this century to well below 2°C, while pursuing efforts to limit the increase even further to 1.5°C. In line with the Paris Agreement, the Philippines remains committed to strengthening the global response to climate change by aiming to limit the global temperature rise this century to well below 2°C, while pursuing efforts to limit the increase even further to 1.5°C. In line with the Paris Agreement, the Philippines remains committed to strengthening the global response to climate change by aiming to limit the global temperature rise this century to well below 2°C, while pursuing efforts to limit the increase even further to 1.5°C.

The Climate Change Commission (CCC), as the United Nations Framework Convention on Climate Change (UNFCCC) National Focal Point, aims to expedite the establishment of a BTR-Technical Working Group (BTR-TWG) composed of at least sectoral climate change focal points who are experts to draft key sections of the report.

In this regard, the CCC would like to request the Department of Environment and Natural Resources (DENR) to nominate at least two (2) representatives per sector to participate in the BTR-TWG. The representatives should be nominated by Thursday, 24 October 2024.

In light of the urgency of the BTR preparation, we kindly request that the representatives be submitted by Thursday, 24 October 2024.

For coordination and inquiries, you may reach the CCC at (02) 8254-7056.

Thank you.

Very truly yours,

**ROMELL ANTONIO O. CUENCA**  
Deputy Executive Director

**Nomination Form**  
Biennial Transparency Report  
Technical Working Group

Name of Agency/Office/Division: \_\_\_\_\_

The following personnel are designated as official representatives to the Biennial Transparency Report Technical Working Group (BTR-TWG):

Principal Representatives				
No.	Name	Designation	Office/Division/Unit	Contact/Viber Number
1.				
2.				

Alternate Representative				
No.	Name	Designation	Office/Division/Unit	Contact/Viber Number
1.				

(Signature of Head of Agency/Office/Authorized Representative over Printed Name)  
(Date)

Kindly submit the accomplished form, on or before **24 October 2024** through the Office of the Vice Chairperson and Executive Director via email address [iod@climate.gov.ph](mailto:iod@climate.gov.ph)

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1910 Road, 1st Floor, 1000 Metro Manila, Philippines 1000  
1910 Road, 1st Floor, 1000 Metro Manila, Philippines 1000  
1910 Road, 1st Floor, 1000 Metro Manila, Philippines 1000

- CCC established an interagency Technical Working Group.
- CCC requested an (i) **official nomination from NGAs** and invited **local climate change experts** to join the TWG and (ii) **concurrences**.
- **Series of meetings and workshops** were conducted
- **Submitted** last 31 March 2025 to the UNFCCC

# PH BTR1 OUTLINE

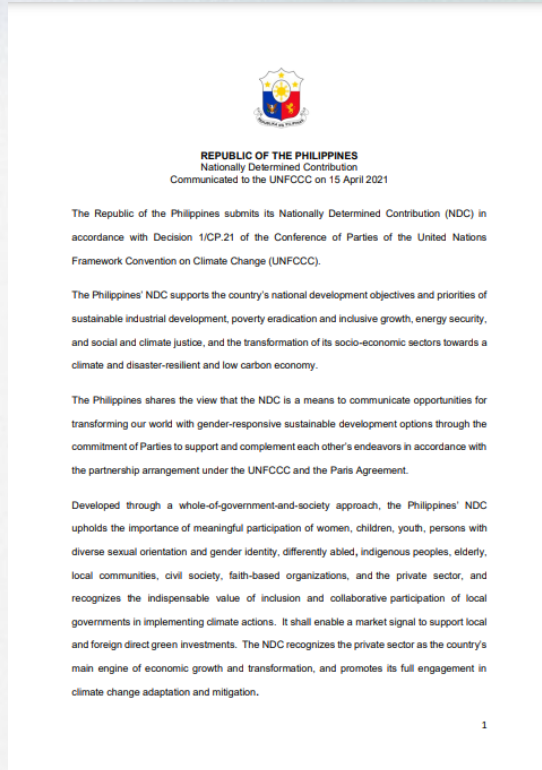


REPUBLIC OF THE PHILIPPINES  
**BIENNIAL TRANSPARENCY  
REPORT**

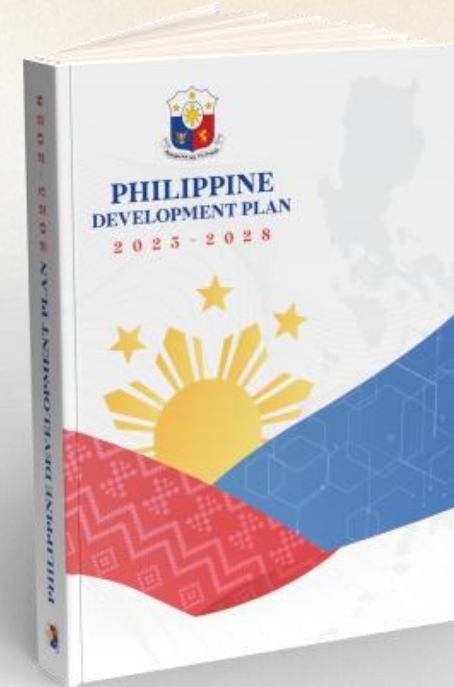


Chapter	Assignment	Information Reference/Source
National GHG Inventory	PGHGIMRS (EO 174 agencies)	Sectoral GHG Inventory Reports
Tracking NDC Implementation Progress	NDC Technical Working Group (w/unconditional PAMs)	NDCIP, NDC PAMs matrices
Adaptation	CCC	NAP and NCCAP
FTC Support Needed and Received	CCC and DEPDev	ODA Portfolio, NDCIP
Flexibility	PGHGIMRS and NDC TWG	GHG Inventory Reports and NDCIP
Areas for Improvement	All agencies	
<i>Annexes</i>		
Common Reporting Template	PGHGIMRS	IPCC Software and GHG Inventory Reports
Common Tabular Formats	NDC TWG	NDC Text, NDCIP, ODA Portfolio

# PH GHG INVENTORY AS BASIS FOR PLANNING AND POLICY DEVELOPMENT



Philippine NDC (2021)

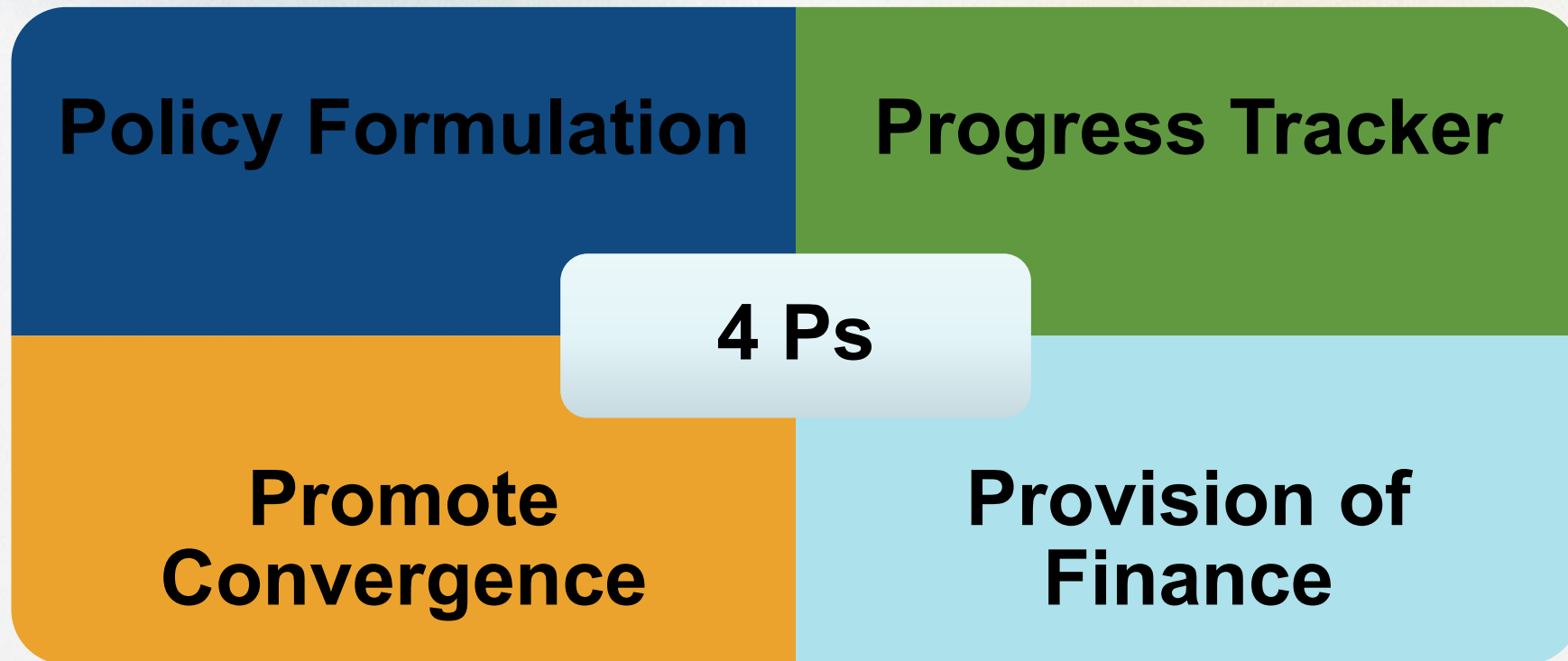


Philippine Development Plan  
2023-2028 (Chapter 15)

# Challenges and Lessons Learned

- Early planning and coordination are crucial
- Institutional arrangements need strengthening
- Data availability and quality remain a core challenge
- Capacity building must be continuous and targeted
- Iterative learning improves outcomes
- Time constraints and resource limitations must be anticipated
- Leverage existing reports and systems

# Objectives of PH Transparency





# Thank you!

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