



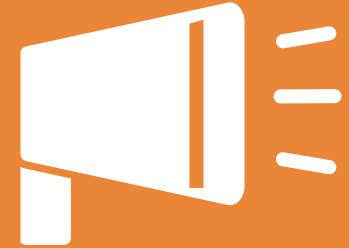
# Philippine NDC Development: Experiences and Lessons Learned

Presented by:  
*Richard Victor I. Palma*  
of the Philippine Climate Change Commission  
03 March 2021



## OBJECTIVE:

2



The participants were requested to present their countries' experience and the lessons learned in developing and submitting new/updated NDCs to UNFCCC, and to apply the learnings from this training to promote the implementation of the SDGs and Climate Action.

## OUTLINE OF THE PRESENTATION

1

The Philippine  
National GHG  
Inventory

2

The Philippine NDC  
Development

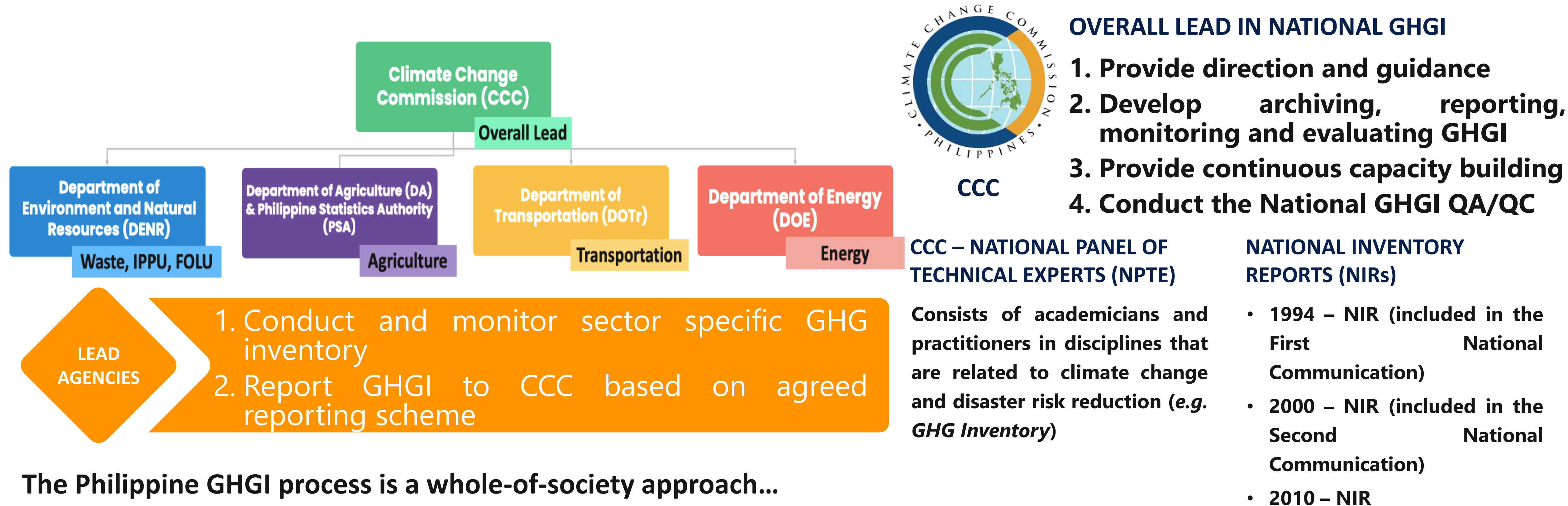
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Post-NDC Submission:  
ACTION



# Institutionalizing the Philippine National GHG Inventory (Executive Order No. 174, s. 2014)

3



# PH MILESTONES IN NATIONAL GHG INVENTORY

## 2014

- ❖ Institutionalize the Philippine GHG Inventory Management, Reporting System

## 2014-2018

- ❖ Delivery of capacity building and technical backstops on GHGI
- ❖ Creation of Sectoral GHG Teams (2016 – DENR; 2018 – DOE)
- ❖ Developed the 2010 National GHG Inventory *(first NIR developed by the Philippine government experts)*
- ❖ Set-up an online domestic MRV system (National Integrated Climate Change Database and Information Exchange System – [www.niccdies.ph](http://www.niccdies.ph))

## 2019

- ❖ Conducted a GHG Inventory QA/QC workshop of sectoral inventory reports with assistance from UNFCCC and FAO

## 2020

- ❖ Finalize and Report the 2010 National GHG Inventory Report based on the findings of the QA/QC Workshops



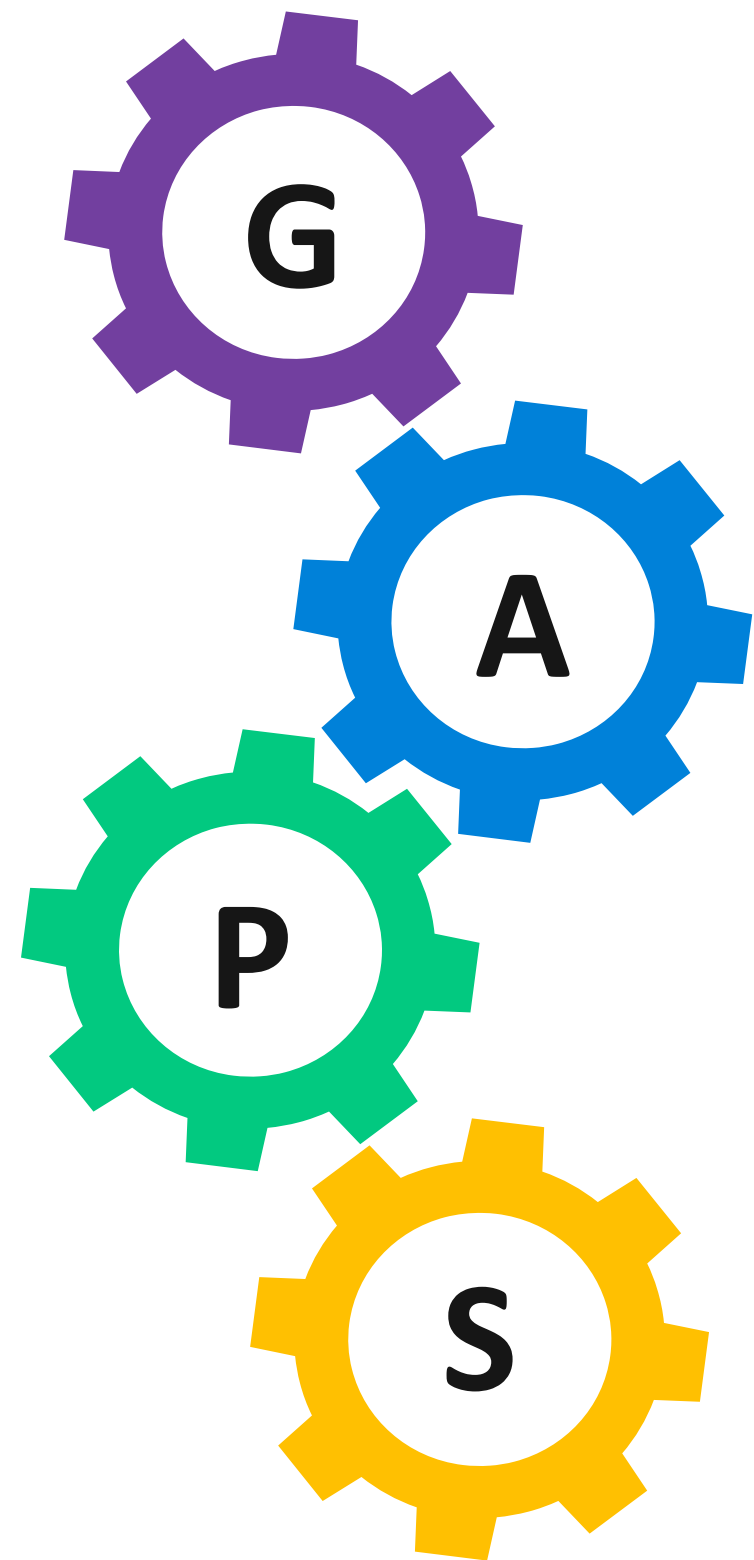


## INSTITUTIONAL ASPECT

- ❑ Issues in cross-cutting emissions between the energy and IPPU (DOE and DENR-EMB should define institutional arrangements per category to further define responsible agencies for data provision, emissions estimates) and their linkages
- ❑ Need to map all data needs for a complete energy sector GHG inventory to identify possible data provider
- ❑ Identification of external actors (data providers, academe/experts, etc.) that can help in GHG Inventory especially in Energy and IPPU
- ❑ Retaining institutional memories (GHGI staff, data collectors experts)

## TECHNICAL ASPECT

- ❑ Limited QA/QC plans for the next GHG Inventory cycle
- ❑ Capacity needs in terms of training GHG compilers, understanding time consistency, and uncertainties
- ❑ Application of TACCC, like discussions of data source and its compilation and adjustment for the inventory needs
- ❑ Energy and IPPU teams to review reporting for non-energy use of fuels, and not burned fossil fuels



# ACTION PLAN

## NATIONAL GHG INVENTORY QA/QC PROCEDURAL GUIDANCE DOCUMENT

A detailed procedural manual on the conduct of GHG inventory QA/QC at a frequency that is responsive to national objectives and international reporting obligations

### PHASE 1

**Development of  
GHG Inventory  
QA/QC  
templates based  
international  
guidelines**

### PHASE 2

**Stakeholder and  
expert  
consultations on  
the GHGI QA/QC  
templates**

### PHASE 3

**Adoption of the  
GHGI QA/QC  
Guidance  
Document into  
policy (CCC  
Resolution)**

### PHASE 4

**Capacity  
Building and  
Learning Session  
on the use of  
QA/QC guidance  
document**





# SUMMARY OF PHILIPPINE GHG INVENTORY

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## WHERE WE ARE NOW



3 NIRs  
(1994, 2000, 2010)



Capacity building &  
technical backstopping  
through partnerships



National Policy &  
Institutional  
Arrangements



National MRV  
Platform  
(niccdies.ph)

## WHERE DO WE WANT TO GO

CONTINUOUS  
IMPROVEMENT  
OF NIRs



Strengthening of  
Institutional Arrangements



Development of QA/QC  
Guidance Document



Monitoring of results &  
improvements over time

THROUGH

- Collaboration among agencies and with the private sector
- Engagement of sectoral experts in the academe, research institutions, and IPCC

## IN ORDER TO SUPPORT

1

Improved data quality and sustained systems for National Reports (i.e. 3NCs, 1BUR, BTRs)

2

Robust data and information for improved mitigation analyses for national and sectoral mitigation roadmaps (e.g. NDC)

3

Further elaborate and implement MRV systems for mitigation roadmaps and plans to enhance transparency and reportability over time





# PHILIPPINE PARIS AGREEMENT RATIFICATION TIMELINE

OCT  
2015

PH submitted its **Intended Nationally Determined Contribution (INDC)** to the United Nations Framework Convention on Climate Change (UNFCCC).

DEC  
2015

Paris Agreement was adopted at the 21<sup>st</sup> Conference of Parties to the UNFCCC.

NOV  
2016

Paris Agreement entered into force.

FEB  
2017

President Duterte signed the Instrument of Accession.

MAR  
2017

Senate concurred to the accession.

APR  
2017

PH officially became a Party to the Paris Agreement.



# NON-NEGOTIABLE CONSIDERATIONS FOR THE PHILIPPINES

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**NDC  
IMPLEMENTATION  
IS FOR THE  
PURPOSE OF  
SUPPORTING:**



SUSTAINABLE  
INDUSTRIAL  
DEVELOPMENT



POVERTY  
ERADICATION  
AND PROVISION  
OF BASIC NEEDS



SECURING  
SOCIAL AND  
CLIMATE  
JUSTICE



ENERGY  
SECURITY

**MITIGATION** will be pursued as function of **ADAPTATION**.



# DEVELOPING THE PHILIPPINE NDC

Revisit the parameters of the INDC submitted to the UNFCCC and assess the applicability to the NDC



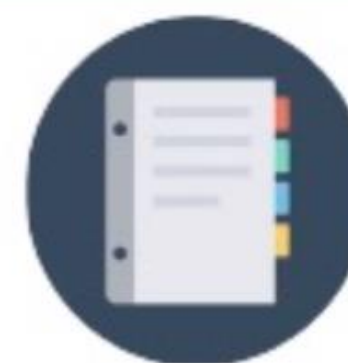
**REVISIT**

Recalculate based on updated methodologies, datasets, parameter, assumptions, and adaptation and mitigation measures



**RECONSTRUCT**

Regular reporting of NDC every 5 years, and the development of the MRV system to track, monitor, and evaluate progress



**REPORT**

Redefine national, sub-national, and local development targets pursuant to the NDC, as reflected in overarching policy and planning frameworks



**REDEFINE**



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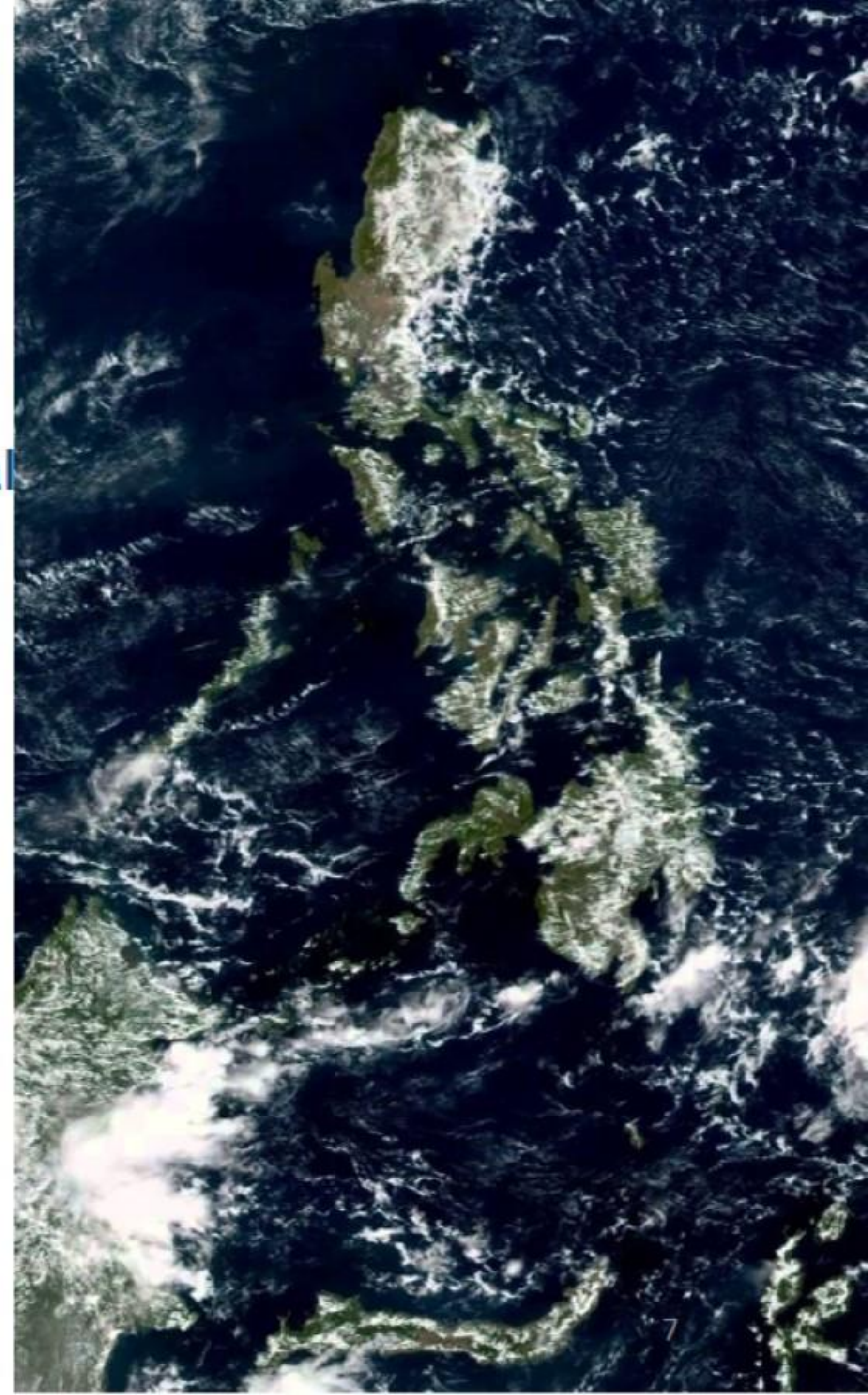
## PHILIPPINE INDC SUBMITTED IN OCTOBER 2015

# 70%

Emission reduction by 2030  
relative to its business-as-usual  
(BAU) scenario of 2000-2030

Contingent on financial  
support from developed  
countries

*Such target was a strategic investment  
decision—a way to encourage foreign  
investments and leapfrog to a greener and  
more sustainable future.*





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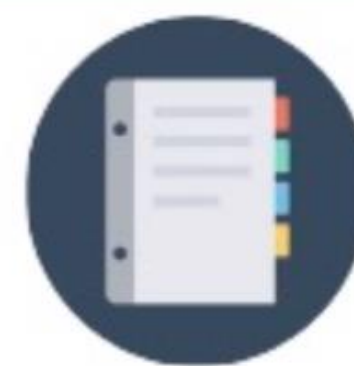
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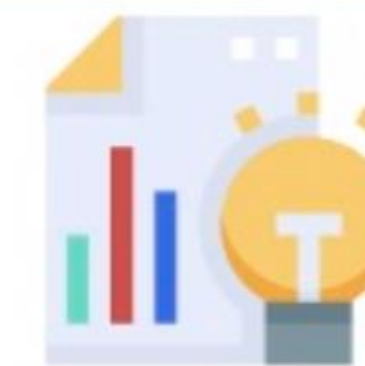
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**REDEFINE**



# Analytical Tools



2006 IPCC Inventory Software

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Economic Modeling (CGE)



Long-range Energy Alternatives  
Planning System (LEAP)



Sectoral Models



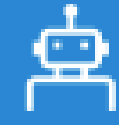
Cost-Benefit Analysis (CBA)



Gender Analysis



# 2016-2020 Milestones NDC



10 Sectoral stakeholder consultations  
7 FGDs



6 RTDs on NDC Economic Modelling and Analysis  
9 Cost-benefit analysis consultations



5 NDC TWG Meetings, 4 NDC Core Group Meetings, 7 High level meetings



21 CCC House-to-house consultations



5 CSO Consultations  
3 Public Consultation



GHG Inventory QA Workshop for GHG Baseline Setting  
2 Technical RTDs on the Finalization of the 2010 GHG Inventory



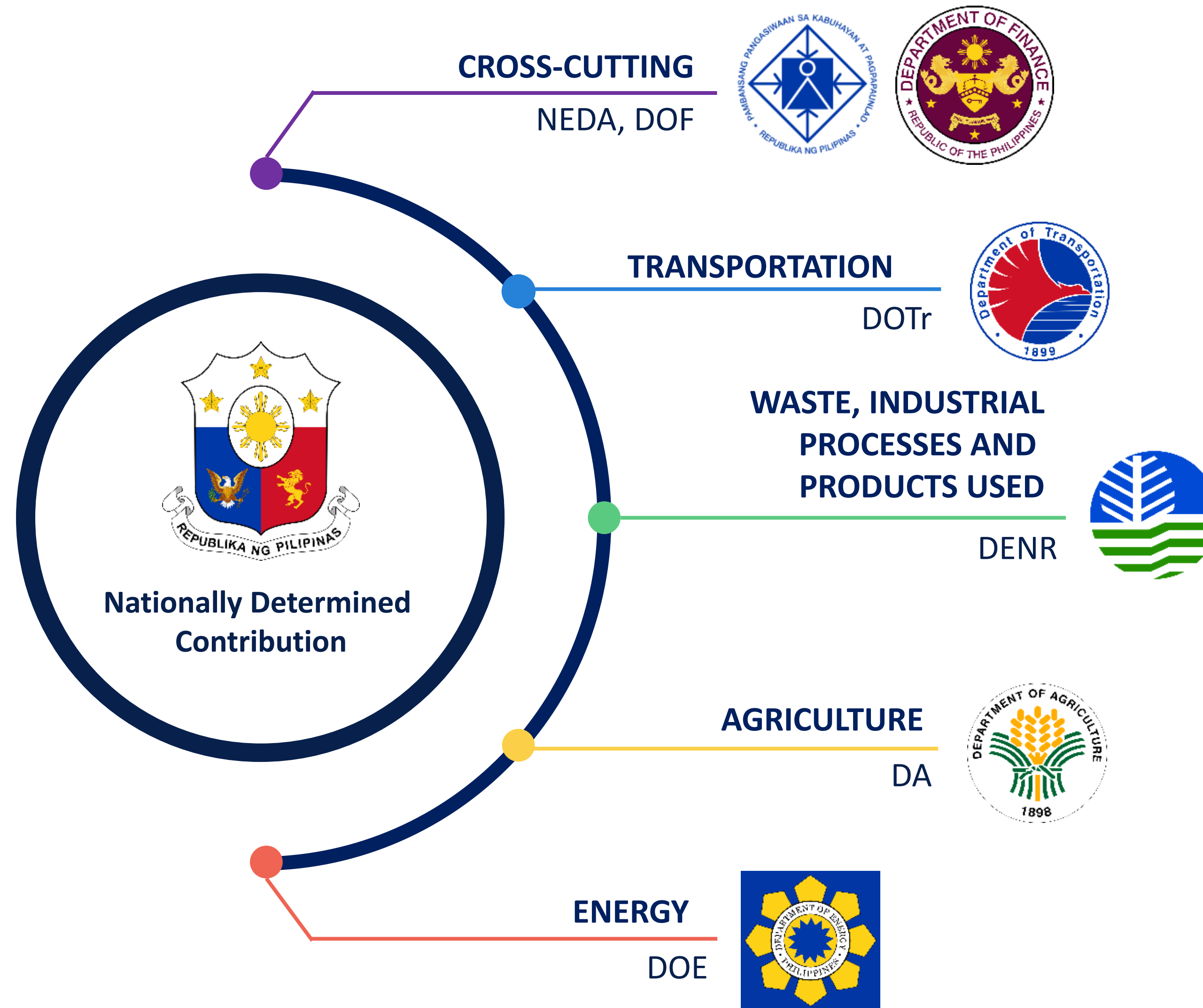
5 Regional business summits



6 NDC Sectoral Submissions (Agriculture, Waste, Industrial Processes, Transport, Forestry and Energy)

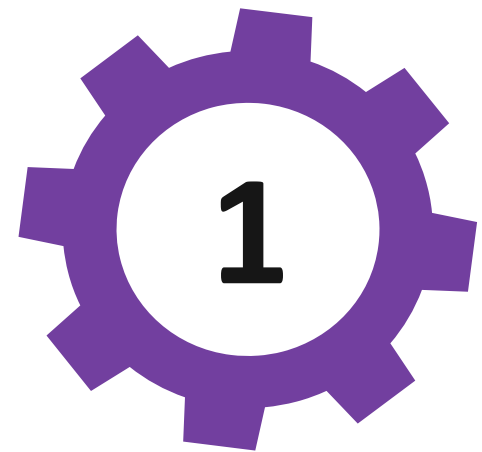
# Nationally Determined Contributions by Agencies

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# LESSONS LEARNED IN THE NDC DEVELOPMENT



**Importance of engaging the agencies in the development of the NDC as they will play a crucial role in the implementation of the NDC.**



**Enhancing capacities of the agencies on the different mitigation analytical tools are important. This would enable agencies to do some calculations and quantify mitigation potential of policies and measures (PAMs).**



**Conduct of multi-stakeholder consultations at an earlier date. This would give the agencies ample time to process the inputs and comments from stakeholders, ensuring the whole-of-society approach of the Philippine NDC.**





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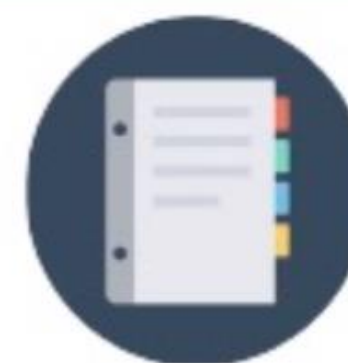
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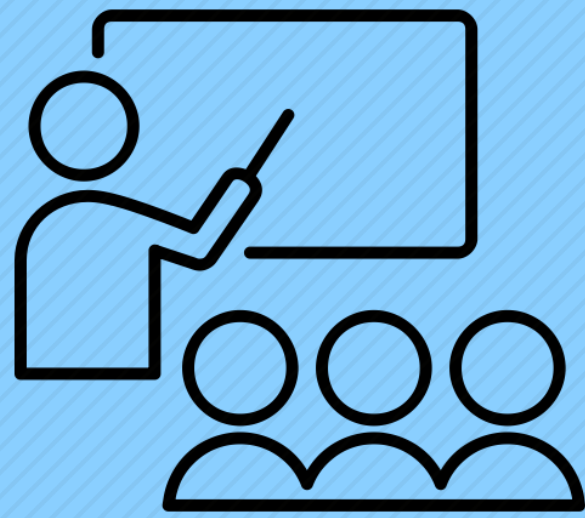
**REDEFINE**



# Post-NDC Submission: ACTION



**A**lignment  
with Domestic  
Development  
Plans and National  
Priorities



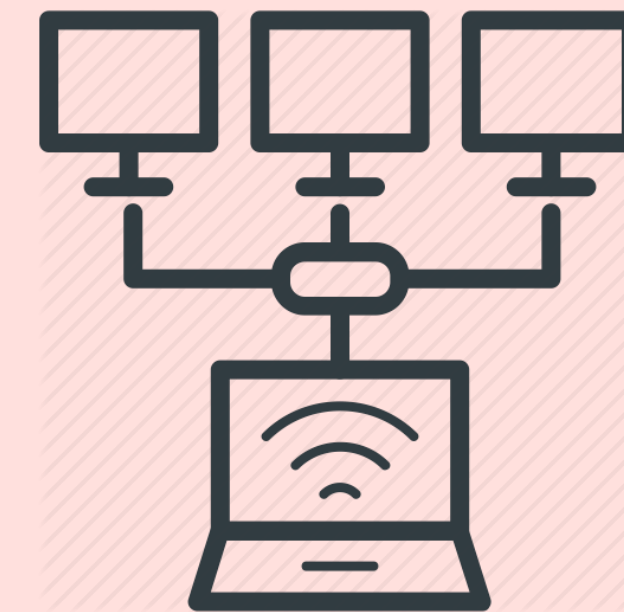
**C**apacity  
Enhancement and  
Use of Analytical  
Tools;



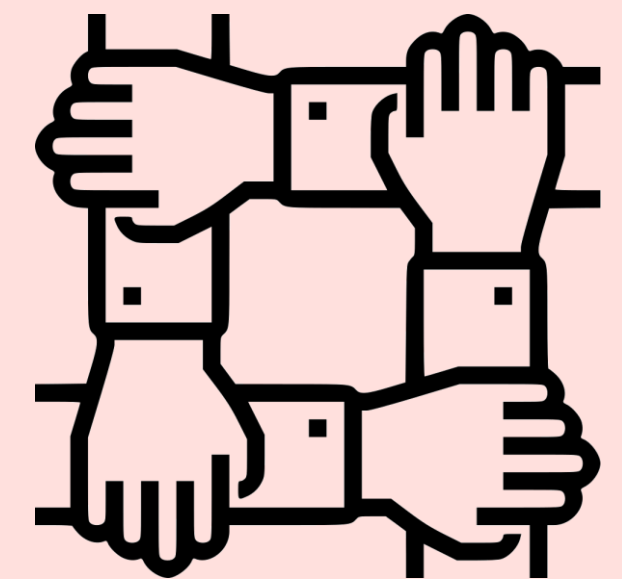
**T**ransparent and  
Sustained  
Reporting  
(Transparency)



**I**dentification and  
Mobilization of  
Domestic and  
International  
Climate Finance



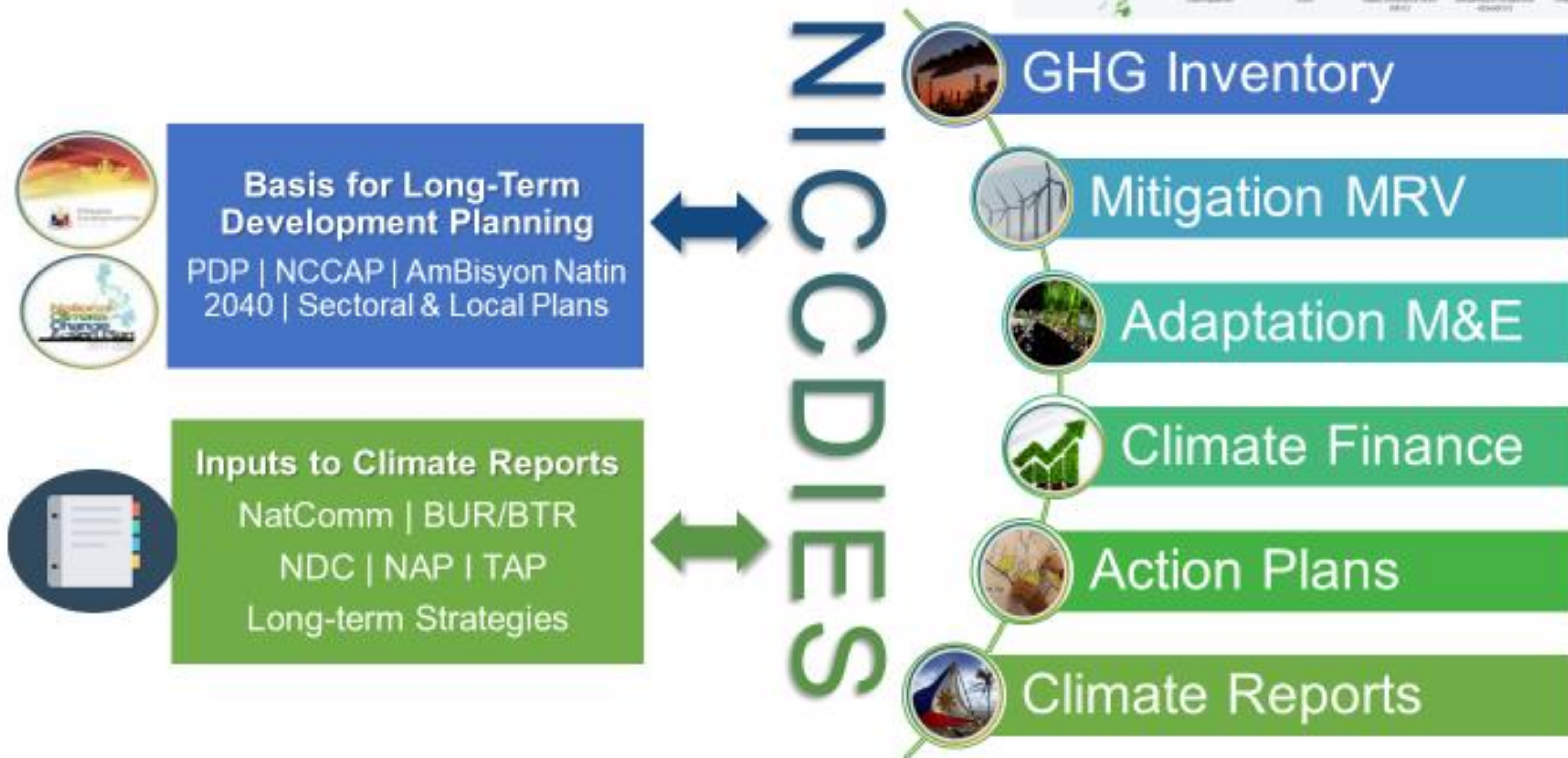
**O**nline Database  
System and  
Development of  
Climate Statistics



**N**etwork Building  
and Stakeholder  
Participation in NDC  
Implementation



# Transparency System for Climate Action and Support







OUR NDC IS NOT MERELY A  
MITIGATION OR ADAPTATION  
COMPENDIUM.

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IT IS AN  
**INVESTMENT STRATEGY**  
FOR LOW-CARBON  
DEVELOPMENT.





THANK YOU



| #1.5°C TO SURVIVE  
TO THRIVE