Philippine NDC Development:
Experiences and Lessons Learned

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03 March 2021
OBJECTIVE:

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
3. Post-NDC Submission: ACTION
Institutionalizing the Philippine National GHG Inventory
(Executive Order No. 174, s. 2014)

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

The Philippine GHGI process is a whole-of-society approach...

OVERALL LEAD IN NATIONAL GHGI
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

CCC – NATIONAL PANEL OF TECHNICAL EXPERTS (NPTE)
Consists of academicians and practitioners in disciplines that are related to climate change and disaster risk reduction (e.g. GHG Inventory)

NATIONAL INVENTORY REPORTS (NIRs)
- 1994 – NIR (included in the First National Communication)
- 2000 – NIR (included in the Second National Communication)
- 2010 – NIR

OTHER GOV’T AGENCIES
Provide data and analysis as needed (e.g. Department of Science and Technology)

PRIVATE SECTOR
Partners in providing GHG emission data to the government

ACADEME
Through the NPTE, the government taps academic experts in the improvement of GHGI
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)
- 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
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 on 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

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 21st 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

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
- Recalculate based on updated methodologies, datasets, parameter, assumptions, and adaptation and mitigation measures
- Regular reporting of NDC every 5 years, and the development of the MRV system to track, monitor, and evaluate progress
- Redefine national, sub-national, and local development targets pursuant to the NDC, as reflected in overarching policy and planning frameworks

- Revisit
- Reconstruct
- Report
- 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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REVISIT
RECONSTRUCT
REPORT
REDEFINE
Analytical Tools

- 2006 IPCC Inventory Software
- 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

- CROSS-CUTTING: NEDA, DOF
- TRANSPORTATION: DOTr
- WASTE, INDUSTRIAL PROCESSES AND PRODUCTS USED: DENR
- AGRICULTURE: DA
- ENERGY: DOE
LESSONS LEARNED IN THE NDC DEVELOPMENT

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

2. 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).

3. 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.
DEVELOPING THE PHILIPPINE NDC

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REVISIT
RECONSTRUCT
REPORT
REDEFINE
Post-NDC Submission: ACTION

Alignment with Domestic Development Plans and National Priorities

Capacity Enhancement and Use of Analytical Tools;

Transparent and Sustained Reporting (Transparency)

Identification and Mobilization of Domestic and International Climate Finance

Online Database System and Development of Climate Statistics

Network Building and Stakeholder Participation in NDC Implementation
Transparency System for Climate Action and Support

Basis for Long-Term Development Planning
- PDP
- NCCAP
- Ambisyon Natin 2040
- Sectoral & Local Plans

Inputs to Climate Reports
- NatComm
- BUR/BTR
- NDC
- NAP
- TAP
- Long-term Strategies

GHG Inventory
Mitigation MRV
Adaptation M&E
Climate Finance
Action Plans
Climate Reports

NICCCDIESS
OUR NDC IS NOT MERELY A MITIGATION OR ADAPTATION COMPENDIUM.

IT IS AN INVESTMENT STRATEGY FOR LOW-CARBON DEVELOPMENT.