



**Second National Communication
on Climate Change**

Philippine Second National Communication (SNC) on Climate Change

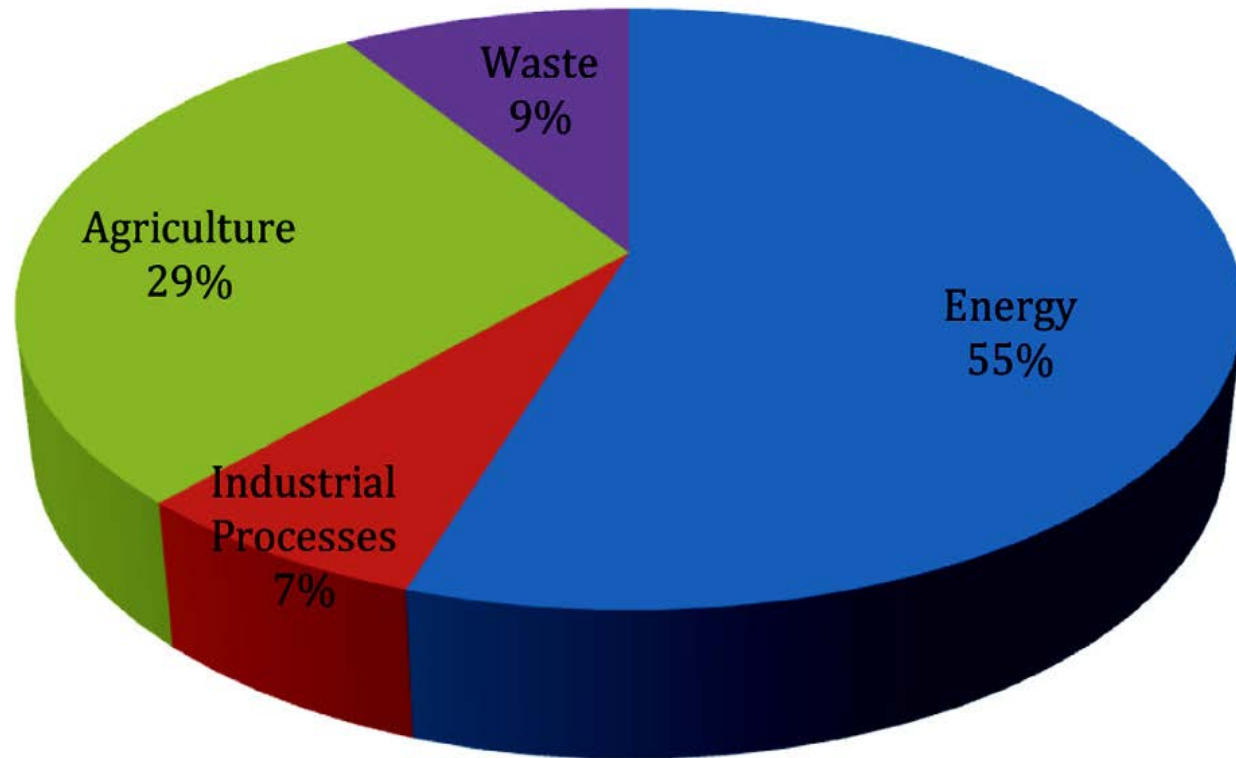
Greenhouse Gas Inventory in 2000

- The 1996 Intergovernmental Panel on Climate Change (IPCC) Guidelines was used in conducting the inventory of its GHG emissions for all the sectors, except for the waste sector where the 2006 guideline was used.
- The baseline for the SNC was the year 2000.

Overall 2000 GHG emission per sector (in Gg CO₂e)

Sector	CO ₂ Gg	CH ₄ Gg	N ₂ O Gg	CO ₂ e emission in Gg
Energy	62,499.10	304.14	2.52	69,667.24
Industrial Processes	8,604.74	0.24	-	8,609.78
Agriculture	-	1,209.79	37.41	37,002.69
LUCF	(104,040.29)	(46.28)	(0.32)	(105,111.37)
Waste	-	500.67	3.50	11,599.07
Totals	(32,936.45)	1,968.56	43.11	21,767.41

Overall contribution to 2000 GHG emissions by non-LUCF sectors



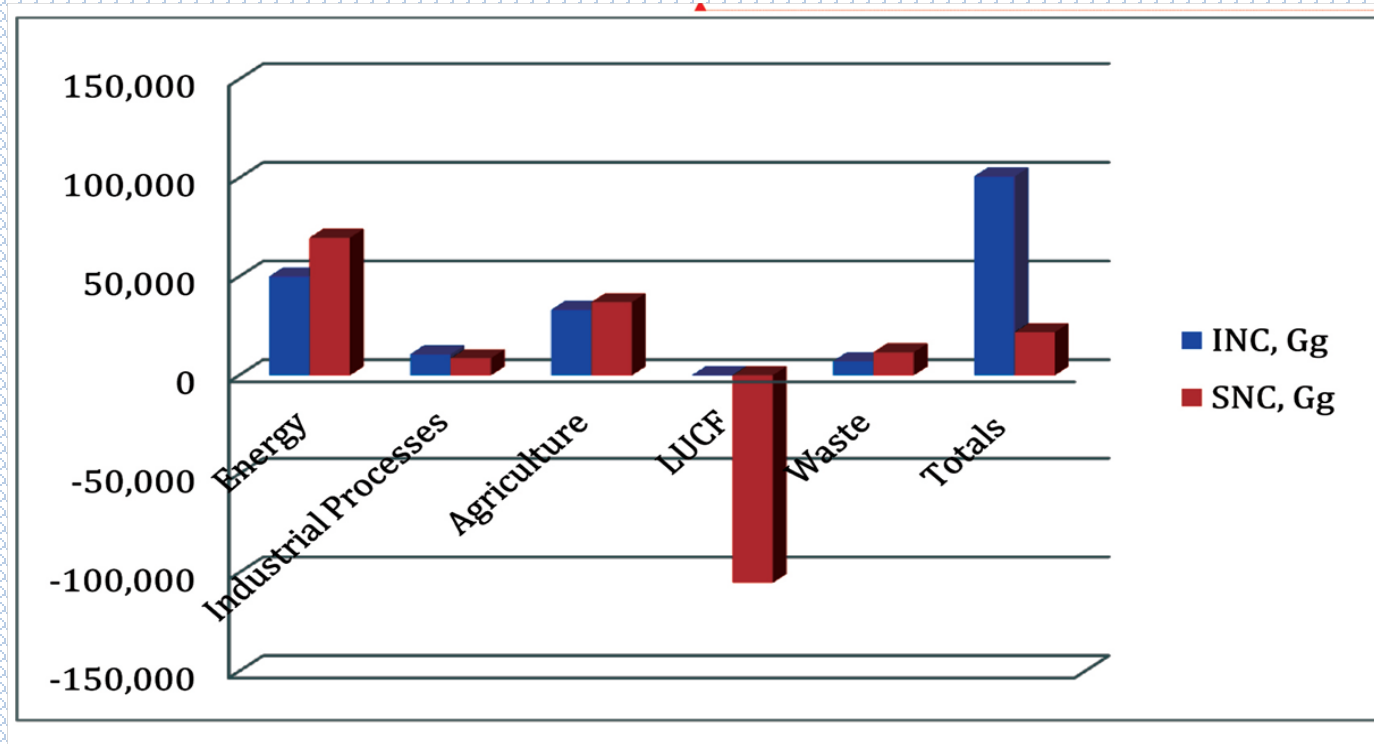
Non-LUCF sectors emitted 126,879. Gg CO₂e

INC VS SNC Emissions (in Gg CO₂e)

Sectors	INC, Gg	SNC, Gg	Change, Gg
Energy	50,038	69,667	+ 19,629
Industrial Processes	10,603	8,610	- (1,993)
Agriculture	33,130	37,003	+ 3,873
LUCF	(126)	(105,111)	+ 104, 985
Waste	7,094	11,599	+ 4,505
Totals	100,739	21,767	- (78, 972)

The GHG emissions for the year 2000 would appear to have decreased by 78% from the 1994 inventory. However, this is mainly due to the adjustment in the amount of emissions sequestered by the LUCF sector.

INC VS SNC Emissions in Graph (in Gg CO₂e)



The large difference for the LUCF sector is due to the change in definition of forests, and availability of data. This would require a recomputation of the GHG for the INC to meaningfully compare the INC with the SNC.

National Framework Strategy on Climate Change

CLIMATE CHANGE

- Increasing temperatures
- Changing rainfall patterns
- Sea level rise
- Extreme weather events

IMPACTS AND VULNERABILITY

- Ecosystems (River Basins, Coastal & Marine, Biodiversity)
- Food security
- Water resources
- Human health
- Infrastructure
- Energy
- Human society

CLIMATE PROCESS DRIVERS

- Energy
- Transport
- Land Use Change & Forestry
- Agriculture
- Waste

VISION:
A climate risk-resilient Philippines with healthy, safe, prosperous and self-reliant communities, and thriving and productive ecosystems

SUSTAINABLE DEVELOPMENT

Goal: To build the adaptive capacity of communities and increase the resilience of natural ecosystems to climate change, and optimize mitigation opportunities towards sustainable development.

MITIGATION

- Energy Efficiency & Conservation
- Renewable Energy
- Environmentally-Sustainable Transport
- Sustainable Infrastructure
- National REDD+ Strategy
- Waste Management

ADAPTATION

- Enhanced Vulnerability and Adaptation Assessments
- Integrated Ecosystem-Based Management
- Climate-Responsive Agriculture
- Water Governance & Management
- Climate-Responsive Health Sector
- Climate Proofing Infrastructure
- Disaster Risk Reduction

Capacity Development Knowledge Management IEC and Advocacy Gender Mainstreaming Research and Development Technology Transfer

CROSS-CUTTING STRATEGIES

Mul.,stakeholder Partnerships Financing Valuation Policy, Planning and Mainstreaming

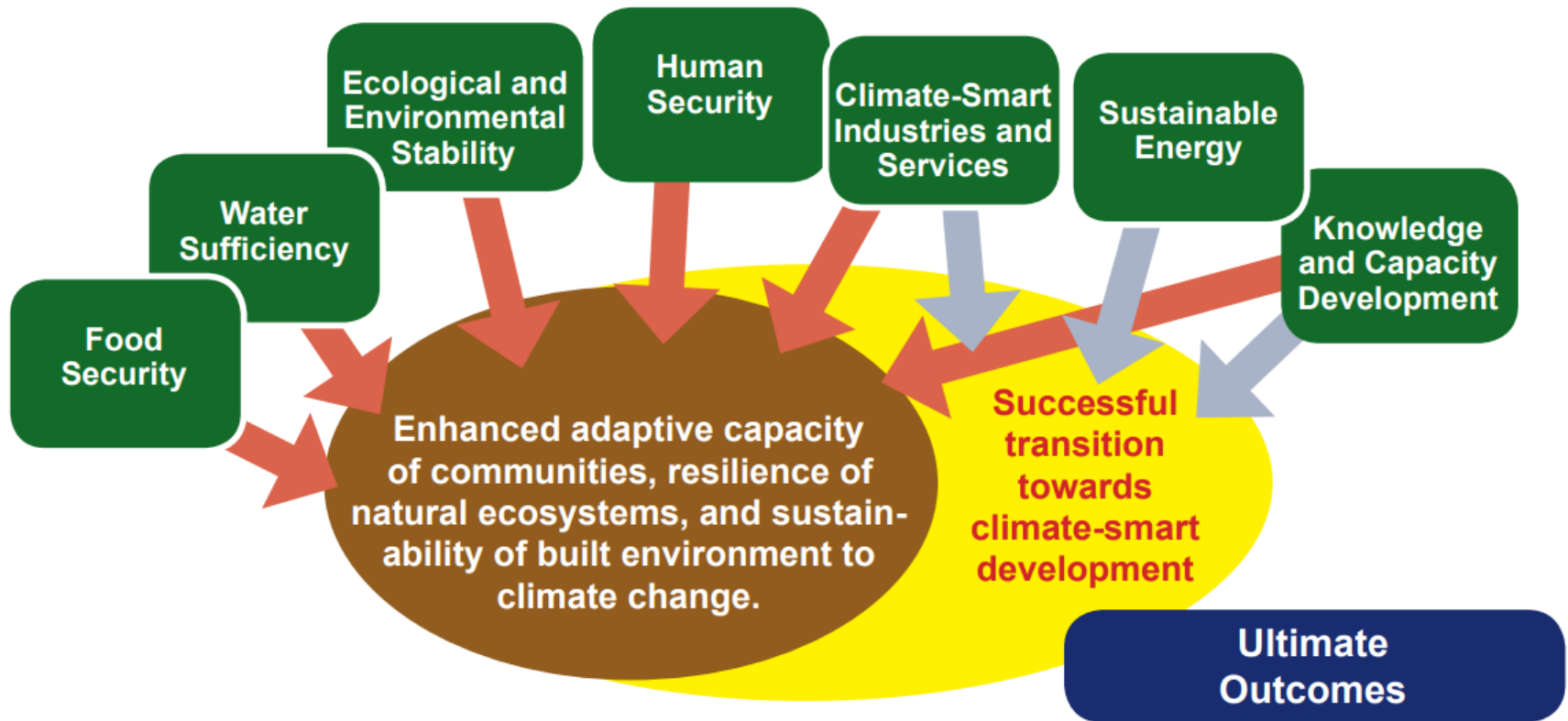
MEANS OF IMPLEMENTATION

National Climate Change Action Plan

Goal:

To build the adaptive capacities of women and men in their communities, increase the resilience of vulnerable sectors and natural ecosystems to climate change, and optimize mitigation opportunities towards a gender responsive and rights-based sustainable development

Intermediate Outcomes



Executive Order 174 s. 2014

Institutionalizing the Philippine Greenhouse Gas Inventory Management and Reporting System (PGHGIMRS)

- Signed by the President on November 24, 2014
- Climate Change Commission (CCC) is overall lead in implementing the EO
- Effective immediately upon publication in a newspaper of general circulation (*forthcoming*)
- Guidance Document will serve as IRR (*forthcoming*)

BY THE PRESIDENT OF THE PHILIPPINES
EXECUTIVE ORDER NO. 174
INSTITUTIONALIZING THE PHILIPPINE GREENHOUSE GAS INVENTORY
MANAGEMENT AND REPORTING SYSTEM

WHEREAS Article II, Section 16 of the 1987 Constitution provides that the State shall protect and advance the right of the people to a balanced and healthful ecology in accord with the rhythm and harmony of nature;

WHEREAS Section 8 of Republic Act (RA) No. 8749, or the "Philippine Clean Air Act of 1999," provides for the establishment of the Air Quality Monitoring and Information Network, specifically the reporting of pertinent qualitative and quantitative information concerning the extent of air pollution and the air pollution and quality performance rating of industries;

WHEREAS RA 9729, or the "Climate Change Act of 2009," as amended by RA 10174, declares that it is a policy of the State to strengthen, integrate, coordinate, and institutionalize government initiatives to achieve coordination in the implementation of plans and programs to address climate change in the context of sustainable development;

WHEREAS the Climate Change Commission (CCC) is the lead agency in the formulation of mitigation and adaptation policies and strategies to address the effects of climate change; and

WHEREAS the National Climate Change Action Plan identified the implementation of a national system for the archiving, reporting, monitoring and evaluation of greenhouse gas (GHG) emissions as an activity that can support better planning for climate change adaptation and mitigation actions;

NOW, THEREFORE, I, BENIGNO S. AQUINO III, President of the Philippines, by virtue of the powers vested in me by law, do hereby order:

SECTION 1. Philippine Greenhouse Gas Inventory Management and Reporting System (PGHGIMRS). The PGHGIMRS is hereby established to institutionalize the GHG inventory management and reporting system in

c) Perform such other actions as may be necessary for the effective implementation of this Order.

SECTION 5. Funding. The implementing agencies of the PGHGIMRS may be authorized to charge against their current appropriations, such increases in government accounting and reporting costs and regulatory proposals of the respective implementing agencies through the General Appropriations Act.

SECTION 6. Reporting. All GHG inventories shall be submitted to the Office of the President, Department of Environment and Natural Resources, within 30 days from the effectivity of this Order.

SECTION 7. Implementing Rules and Regulations. Within thirty (30) days from the effectivity of this Order, the CCC shall formulate a Guidance Document to serve as its implementing rules and regulations for the conduct of the GHG inventories.

SECTION 8. Separability Clause. Should any provision of this Order be declared void or unconstitutional, the other provisions shall have the same force and effect.

SECTION 9. Repealing Clause. All laws, decrees, orders, proclamations, resolutions, or parts thereof which are inconsistent with the provisions of this Order are hereby repealed or modified accordingly.

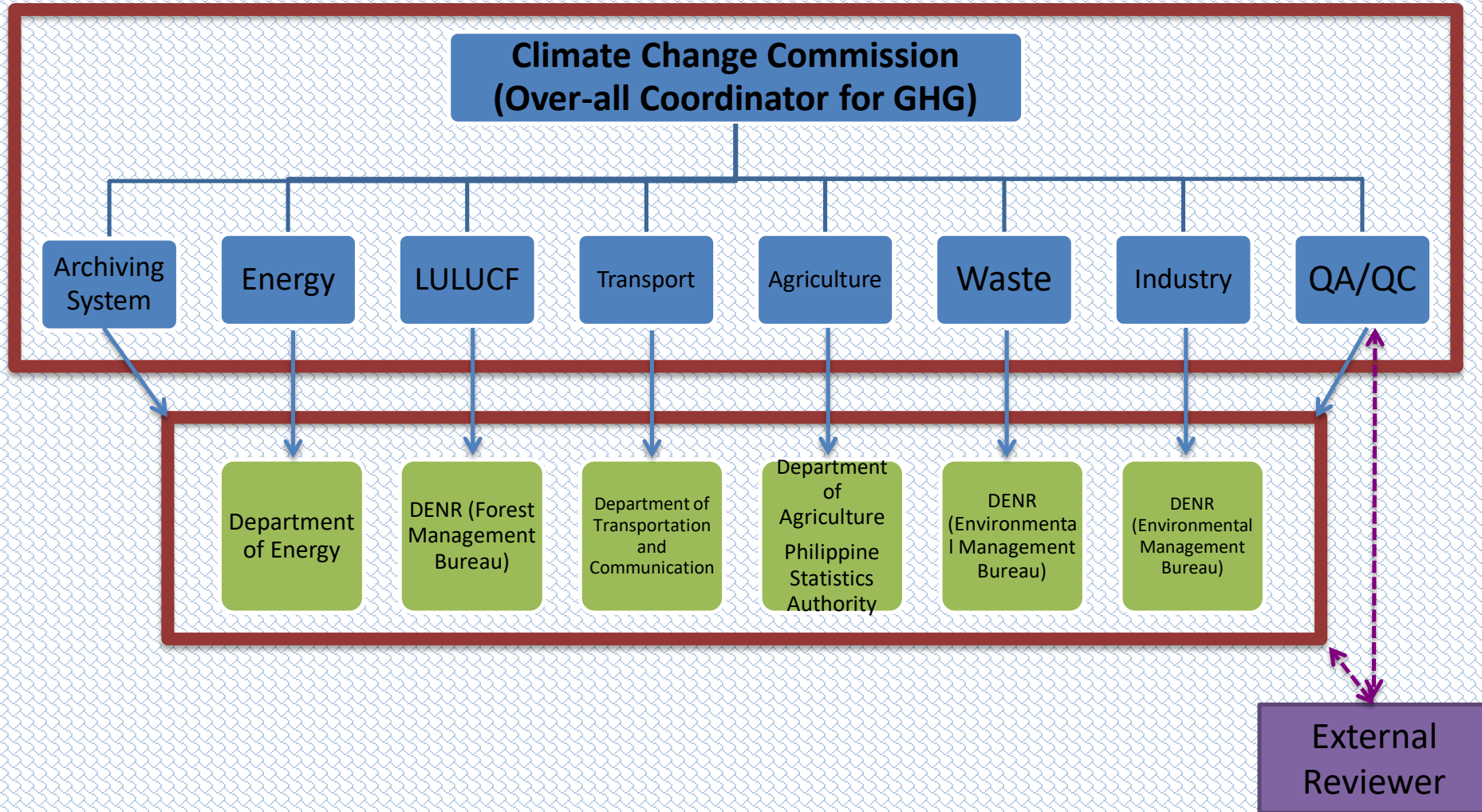
SECTION 10. Effectivity. This Order shall take effect immediately upon its publication in the Official Gazette or in any newspaper of general circulation.

DOE in the City of Manila, on the 14th day of November, 2014.
Year of our Lord, Two Thousand and Fourteen

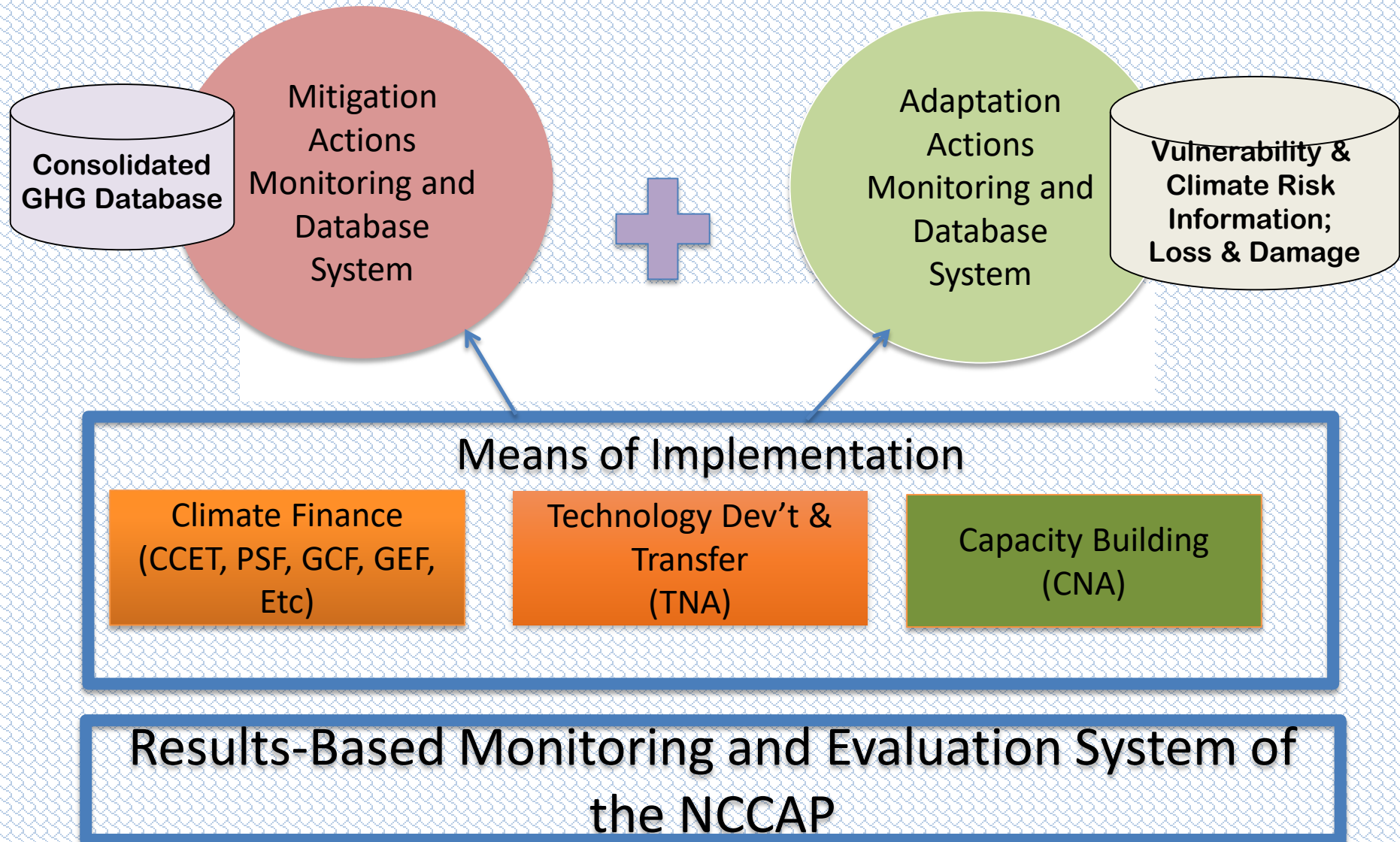
By the President
PAQUITO M. OCHOA, JR.
Executive Secretary

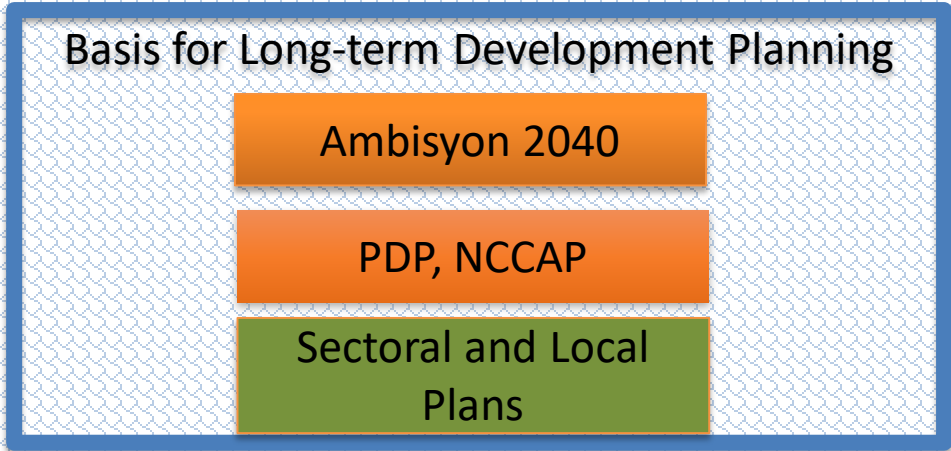
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Climate
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MAGSAYSAY AWARD FOR BEST GOVERNMENT SERVICE
NOV 24 2014

National GHG Inventory Plan

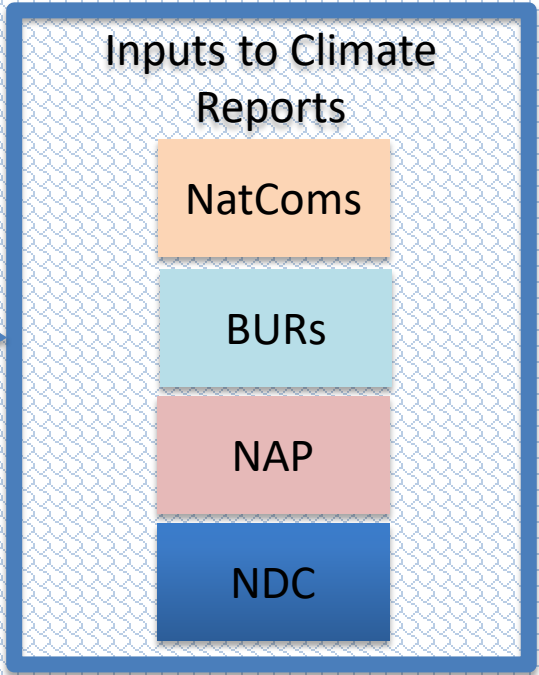


Philippine M&E/MRV System for CC: National Integrated Climate Change Database Information and Exchange System (NICCDIES)

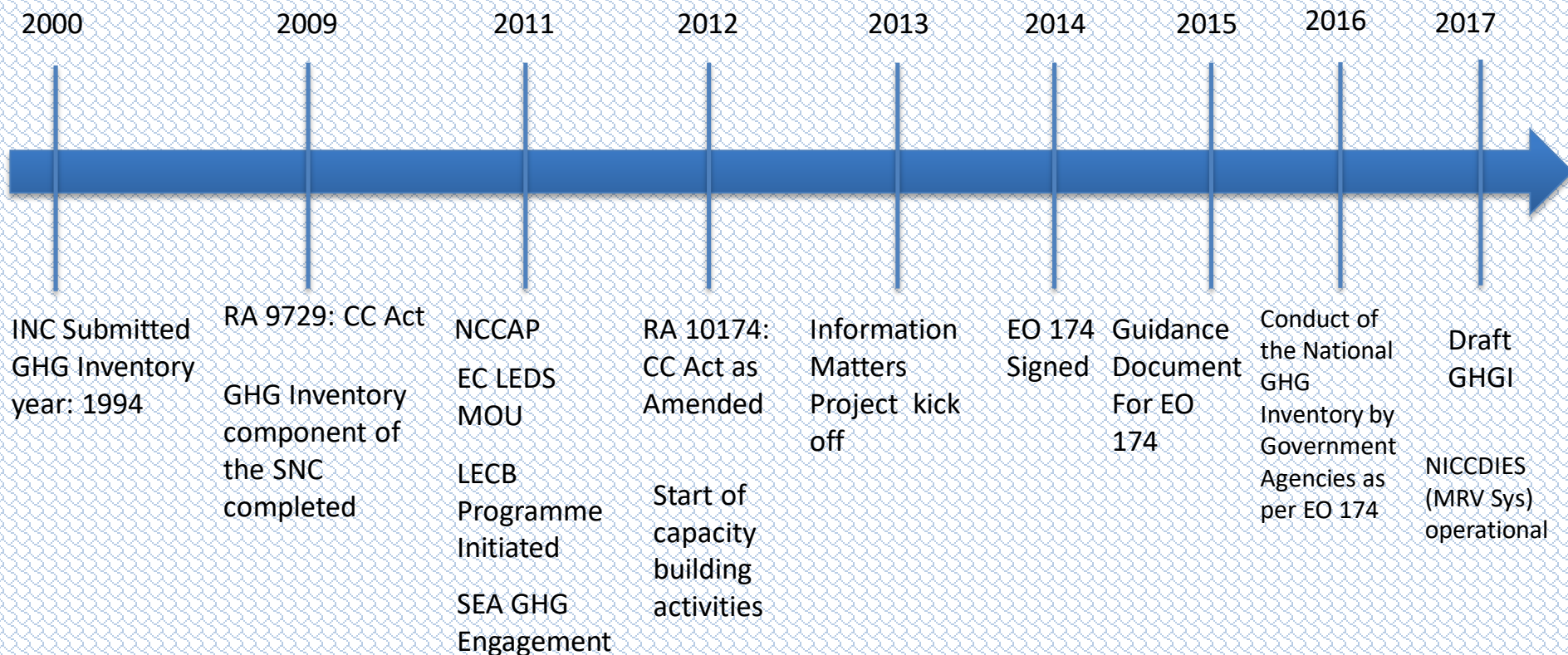




NICCDIES



Timeline of Initiatives for the National GHG Inventory



Thank you!!!