

Climate Change Mitigation Policies, Strategies and Initiatives of the Philippines

Creating
Convergence on
Climate Change



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Philippines Response to Climate Change: Institutions, Policies and Programs/Strategies

1990-1995

- IACC established (1991)
- PHL signs UNFCCC (1994)

1996-2000

- 1st PHL National Communication (1999)
- Philippine Clean Air Act (1999)
- National Solid Waste Management Act (2000)

2001-2005

- PHL Government signs Kyoto Protocol (2003)

2006-2010

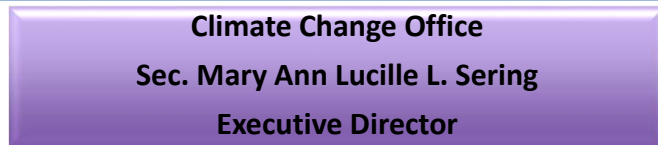
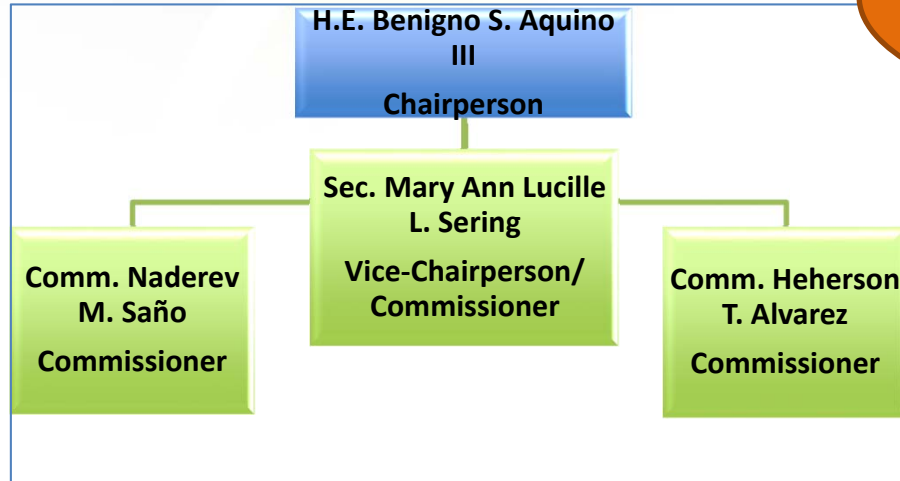
- Biofuels Act (2006)
- Presidential Task Force on CC (2007)
- Presidential Proclamation on Climate Change Consciousness Week (2008)
- Renewable Energy Act (2009)
- Climate Change Act (2009)
- Philippine National REDD Plus Strategy (2010)
- National Framework Strategy on Climate Change (2010)
- PHL Disaster Risk Reduction and Management Act (2010)
- The PHL Strategy on Climate Change Adaptation (2010)

2011-2014

- National Climate Change Action Plan (2011)
- Cabinet Cluster on Integrity of the environment and climate change adaptation and mitigation (2011)
- People's Survival Fund Act (2012)
- Integrating DRR and CCA concerns in PHL EIS System (2012)
- Integrating CCA-DRR in Comprehensive Land Use Plans of Local Government (2013)
- Guidelines in Tagging/Tracking Government Expenditures for Climate Change in the Budget Process (2013)



Panel of Technical Experts



Asec. Joyceline A. Goco
Deputy Executive Director

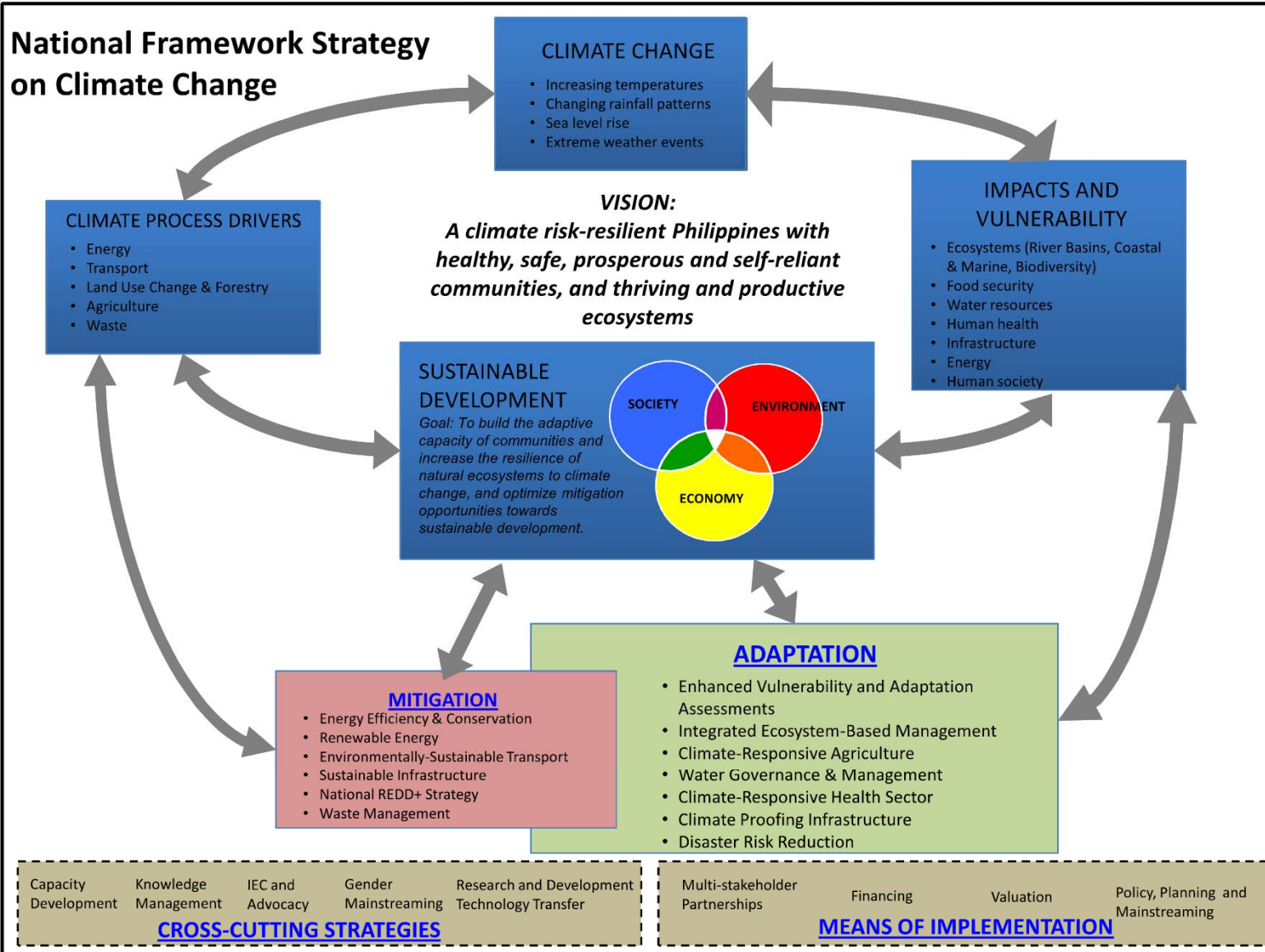
- Development Management Division
- Research Policy and Documentation Div.
- Information and Knowledge Mgmt. Div.
- Admin., Finance and Legal Div.

Advisory Board

- Secretary, DA
- Secretary, DBM
- Secretary, DOE
- Secretary, DENR
- Secretary, DEPED
- Secretary, DOF
- Secretary, DFA
- Secretary, DOH
- Secretary, DILG
- Secretary, DND in his capacity as Chair of the NDCC
- Secretary, DPWH
- Secretary, DOST
- Secretary, DSWD
- Secretary, DTI
- Secretary, DOTC
- Dir. Gen, NEDA in his capacity as chair of the PCSD
- Dir. Gen., Nat'l Security Council
- Chairperson, Nat'l Commission on the Role of Filipino Women
- Chairperson, National Youth Commission
- President, Sangguniang Kabataan Nat'l Federation
- Pres., LPP
- Pres., LCP
- Pres., LMP
- Pres., Liga ng mga Brgy.,
- Rep. from the Academe
- Rep. From the Business Sector
- Rep. of the NGO



National Framework Strategy on Climate Change



Guiding Principles

- Anticipatory and Precautionary Principle
- Pillars
 - Adaptation – priority and the anchor strategy
 - Mitigation – function of adaptation
- Principle of complementation
- Principle of subsidiarity and the role of LGUs as front-liners in addressing climate change
- Multi-stakeholder participation and partnership
- Private sector participation

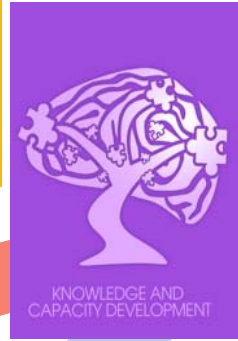


National Climate Change Action Plan (2011 - 2028)

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



Enhanced adaptive capacity of communities, resilience of natural ecosystems, and sustainability of built environment to climate change.

Successful transition towards climate-smart development.

“climate-smart” to emphasize the need for **“adaptive mitigation”**

Ultimate Outcomes



Cabinet Cluster

- Assess the degree of accomplishment in partnership with the private sector and civil society
- Evaluate the milestones relative to the intended outcomes
- Undertake the necessary measures to fast track program.



Initiatives	Brief description	Source
National Greening Program	Plant 1.5 billion trees in 1.5 million hectares in lands of public domain	Executive Order 26 series of 2011
Public expenditure on Climate Change	<p>Dept. of Budget and Management mandated to undertake formulation of annual national budget to prioritize and allocate funds for climate-related programs of government</p> <p>DBM and Climate Change Commission issued a Joint Memo Circular for all government agencies to tag their budget for CC adaptation and mitigation; CCC developed the tagging guidelines</p>	<p>Republic Act 10174 (Climate Change Act as Amended)</p> <p>JMC 2013-01</p>
Energy Efficiency	<p>Moving towards setting minimum energy performance for all energy consuming devices and equipment</p> <p>Pending bill in Congress: Energy Conservation Bill</p>	<p>Philippine Energy Plan (2012 – 2030)</p> <p>Energy Conservation Bill</p>



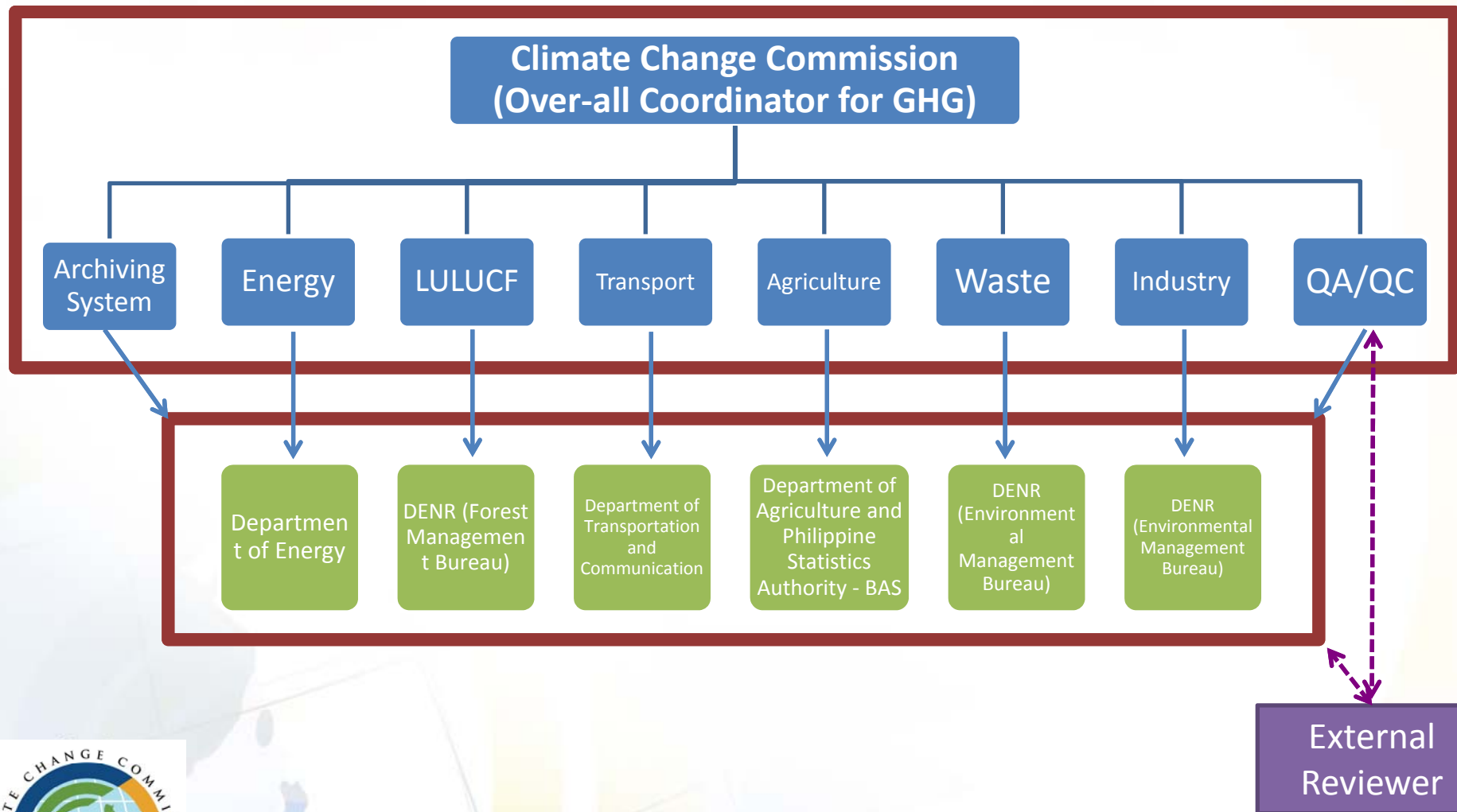
Initiatives	Brief description	Source
Energy fuel mix policy	Geared towards cleaner and more efficient fuels and technologies for power generation and later on for transport	Current policy direction being developed
Renewable Energy	<p>FIT; RE Trust Fund; incentives to RE developers</p> <p>Amended the installation target for solar energy from 50MW to 500MW</p> <p>Increase RE-based capacity to 15,304MW by 2030</p> <p>On a per technology basis:</p> <ul style="list-style-type: none"> Increase geothermal capacity by 75% Increase hydropower capacity by 160 percent Deliver additional 277 MW biomass power capacities Attain wind power grid parity through 2,345 MW additional capacities <p>Develop 1st ocean energy facility for the country</p>	<p>RA 9513 (RE Law)</p> <p>Current policy direction</p> <p>National Renewable Energy Plan (2011 – 2030)</p>



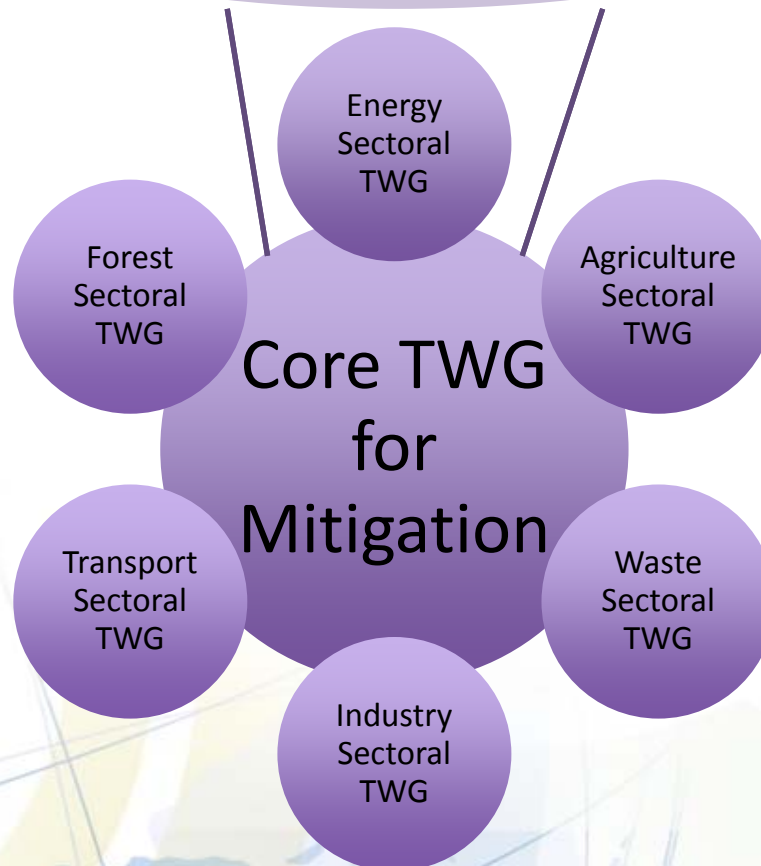
Initiatives	Brief description	Source
REDD+	<p>Ensure sustainable forest management for both reduced carbon emissions and biodiversity conservation</p> <p>Establish sustainable financing mechanisms to support REDD+ “readiness” and long-term implementation</p> <p>Develop and implement a forest carbon emissions reduction MRV system</p>	Philippine National REDD Plus Strategy
Mandatory use of biofuels	<p>Bioethanol – 5% blend in gasoline by 2008 and 10% by 2010</p> <p>Biodiesel – 1% blend in diesel fuel by 2006 and 2% by 2008</p>	RA 9367 “Biofuels Act”
Solid Waste Management	<ul style="list-style-type: none"> • Segregation at source • Segregated collection • Recovery/recycling systems • Closure/conversion of open dump sites to controlled disposal facilities 	RA 9003 “Solid Waste Management Act”
Environmentally Sustainable Transport	<p>Department of Transportation and Communication’s (DOTC) Green Transport Strategy</p> <p>Emission reduction</p> <p>Cleaner fuels</p> <p>Low pollution, low carbon transportation system</p>	<p>Administrative Order 254 “EST”</p> <p>National Environmentally Sustainable Transport (NEST)</p>

Initiatives	Brief description	Source
Greenhouse gas inventory	<p>Implement a national system for monitoring and reporting of greenhouse gas emissions</p> <p>Capacity building for Local government units on entity and community-level GHG inventory. Ongoing discussions on the development of a guidebook for LGUs</p> <p>Capacity building program on GHG emissions inventory and carbon footprint implemented in at least 20% of large and medium industries by 2016 (NCCAP)</p>	<p>Draft Executive Order submitted to the Office of the President and the NCCAP</p> <p>National Climate Change Action Plan (NCCAP)</p>
Mitigation Framework	Currently in the process of formulating a comprehensive framework for mitigation	Ongoing initiative
Domestic MRV System	<p>Development of a National Integrated Climate Change Information and Exchange System (NICCDIES)</p> <ul style="list-style-type: none"> • GHG Inventory • Mitigation Action • MRV of support 	Ongoing initiative

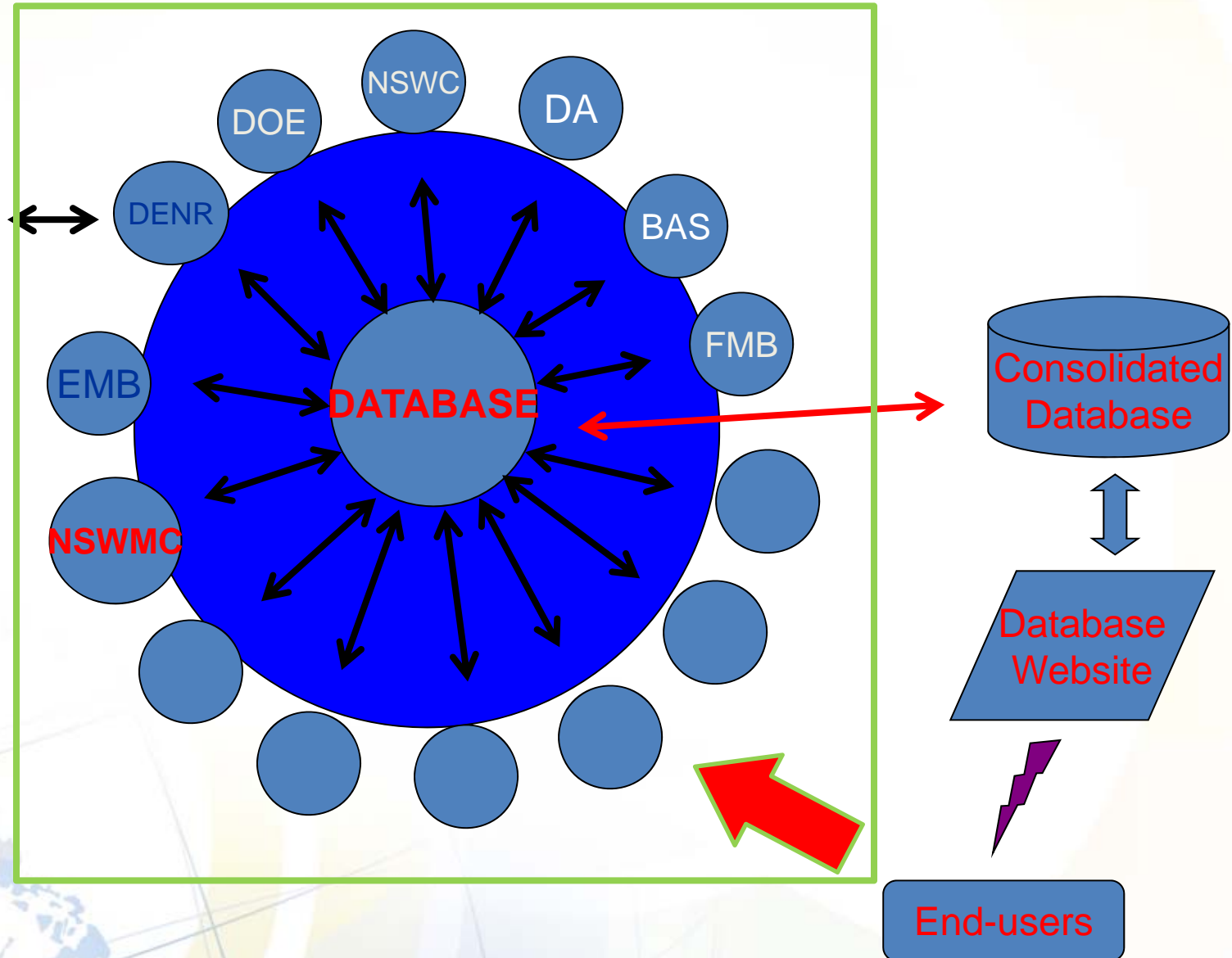
National GHG Inventory Plan



Climate Change Commission



Development of the National Integrated Climate Change Database and Information Exchange System



Activities on Capacity Building and Technical Assistance on GHG Inventory

Activity	Sector	Lead Agency	Funding Source
Institutional Arrangements	All sector	CCC	US Gov't through USAID (EC LEDS); and US & UNFCCC (SEA GHG)
Capacity building – National GHG Inventory	Waste, IPPU, Agriculture Energy, Forestry	CCC	PHL Gov't funds, (EU, Germany and Australia) LECB EC LEDS SEA GHG
Capacity Building – community-level and entity-level GHG inventory for LGUs Development of the Guidebook	Multi-sectoral		EC LEDS (Cenergy and B-LEADERS) Modules were presented to CCC before they were used for the training
Capacity Building – private sector entity-level GHG inventory	Multi-sectoral	EMB	EMB
Capacity Building – entity-level GHG inventory for NGAs	Multi-sectoral	CCC and DENR	USAID
Baseline Scenario			BMU through GIZ: Information Matters

Capacity Building: Mitigation Action Initiatives

Activity	Sector	Lead Agency	Funding Source
Institutional Arrangements & Framework - Core TWG - Sectoral TWG (AWIT-FE)	Waste, Industry, Agriculture Energy, Forestry, Transport	CCC	CCC Regular funds and LECB
Study on Sectoral NAMA Options	Waste, Industry, Agriculture Energy, Forestry, Transport	CCC	LECB and CCC Regular Funds
Mitigation Potential in the Solid Waste Sector	Waste	NSWMC	GIZ - BIFA
Multi-criteria Analysis for NAMA	multi-sectoral	CCC	SEAN-CC (UNEP); LECB
Proposal for the NAMA Facility of UK-Germany	Waste RE	NSWMC (assisted by GIZ) DOE (assisted by CCAP)	Germany and UK
Tools and Methodologies for Mitigation analysis	Energy	DOE – LEAP Transport tools	USAID (EC LEDS) USAID (EC LEDS)
Capacity Building - NAMA		CCC	GIZ LECB (webinars)

Activities towards the Formulation of a Domestic MRV System

Activity	Sector	Lead Agency	Funding Source
MRV for REDD+	Forestry	FMB	BMU through GIZ (REDD+) (?) UN REDD USAID B+WISER (?)
Integration of GHG Data in existing reporting systems	Industry – integrate GHG data to SMR (EMB) Agriculture – ALU software	EMB with CCC	LECB LECB and SEA GHG
MRV system			LECB
Capacity Building – MRV architecture and systems	Multi-sectoral	CCC	BMU through GIZ (Info Matters)
Budget tagging for CC	Multi-sectoral	DBM with CCC	WB (CPEIR)
M&E of NCCAP	Multi-sectoral	CCC	BMU through GIZ (Support to CCC - RBMES)

Lessons Learned

- Packaging of information to highlight SD benefits of mitigation actions
- Having a central body in charge of facilitating and coordinating with agencies is important
- Institutional mechanisms and arrangements need to be in place
- Partnerships are important
- Multistakeholder participation critical
- Political will, “buy-in”, ownership
- Respecting mandates to minimize turfing
- Use of Information, Communication and Technology (ICT) tools
- Knowledge Management



Challenges and Needs

- Quantifying emissions reduction of activities
- Tools and methodologies for mitigation analysis
- Integrating sustainable development indicators in mitigation activities
- Quantifying co-benefits
- Studies on mitigation options and potentials



THANK YOU

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