

*The 17<sup>th</sup> Workshop for Greenhouse Gases Inventories in Asia*

*Singapore, July 2019*

# **BRIEF SUMMARY OF VIET NAM'S BUR2**

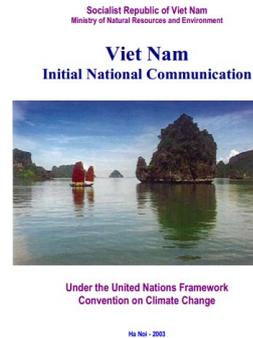
Tran Thi Bich Ngoc

Division of GHG Emission Reduction and Ozone layer Protection

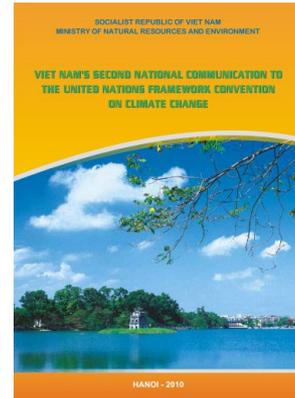
Department of Climate Change

Ministry of Natural Resources and Environment of Viet Nam

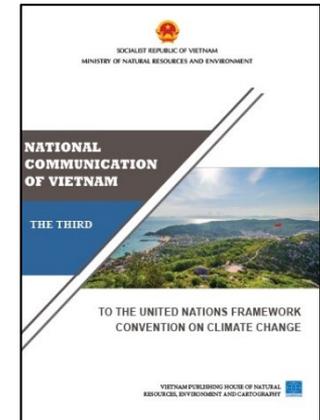
# Background



NC1 (Dec 2003)

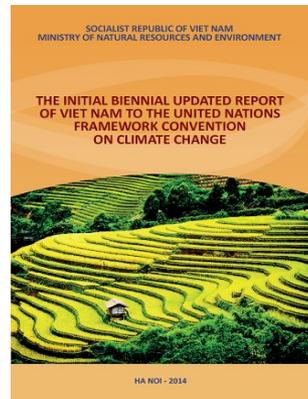


NC2 (Dec 2010)

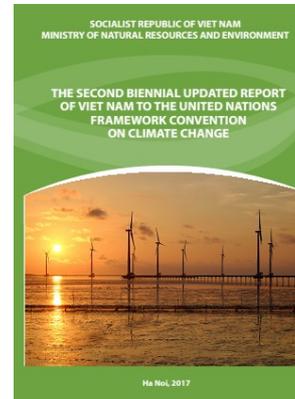


NC3 (Feb 2019)

## Viet Nam's NCs/BURs



BUR1 (Dec 2014)



BUR2 (Nov 2017)



**BUR3**  
**(in preparation and completed in 2020)**

# Main contents of Viet Nam 's BUR2

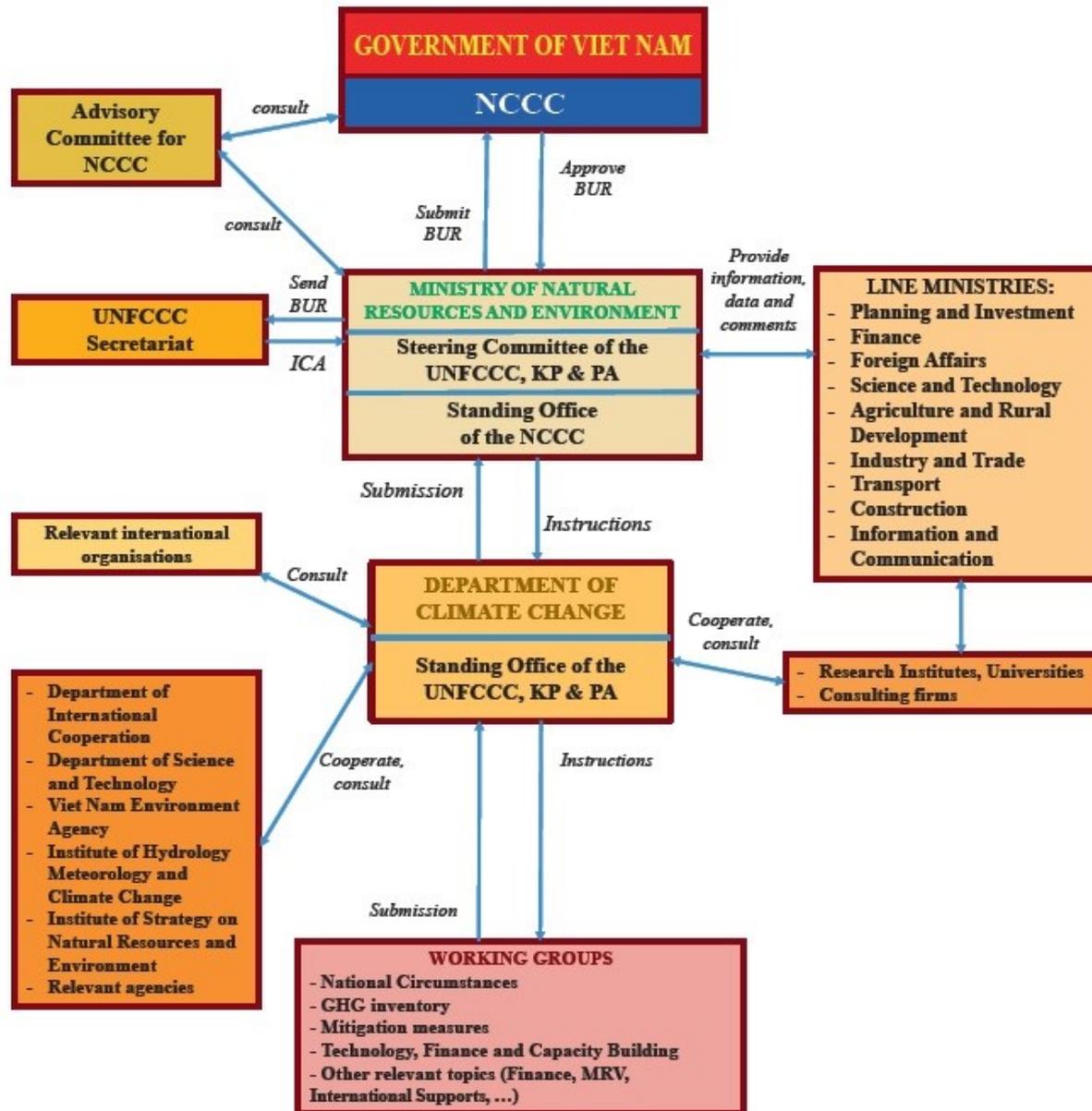
- ▶ Chapter 1: National Circumstances
- ▶ Chapter 2: The 2013 National Greenhouse Gas Inventory
- ▶ Chapter 3: Mitigation Actions
- ▶ Chapter 4: Measurement, Reporting and Verification System
- ▶ Chapter 5: Needs for Finance, Technology, Capacity Building and Support Received
- ▶ Annex 1: Energy Sector Report for the 2013 National GHG Inventory
- ▶ Annex 2. Industrial Processes Sector Report for the 2013 National GHG Inventory
- ▶ Annex 3. Waste Sector Report for the 2013 National GHG Inventory
- ▶ Annex 4. Agriculture Sector Report for the 2013 National GHG Inventory
- ▶ Annex 5. LULUCF Sector Report for the 2013 National GHG Inventor

# National context



- ▶ National conditions
- ▶ Social, economic and environmental overview
- ▶ Some policies relating to climate change
- ▶ Viet Nam 's contribution to mitigation of global GHG emissions
- ✓ *Submitted INDC to UNFCCC dated 30/9/2015*
- ✓ *GHGs emission reduction compared to BAU:  
8% unconditionally  
25% conditionally*

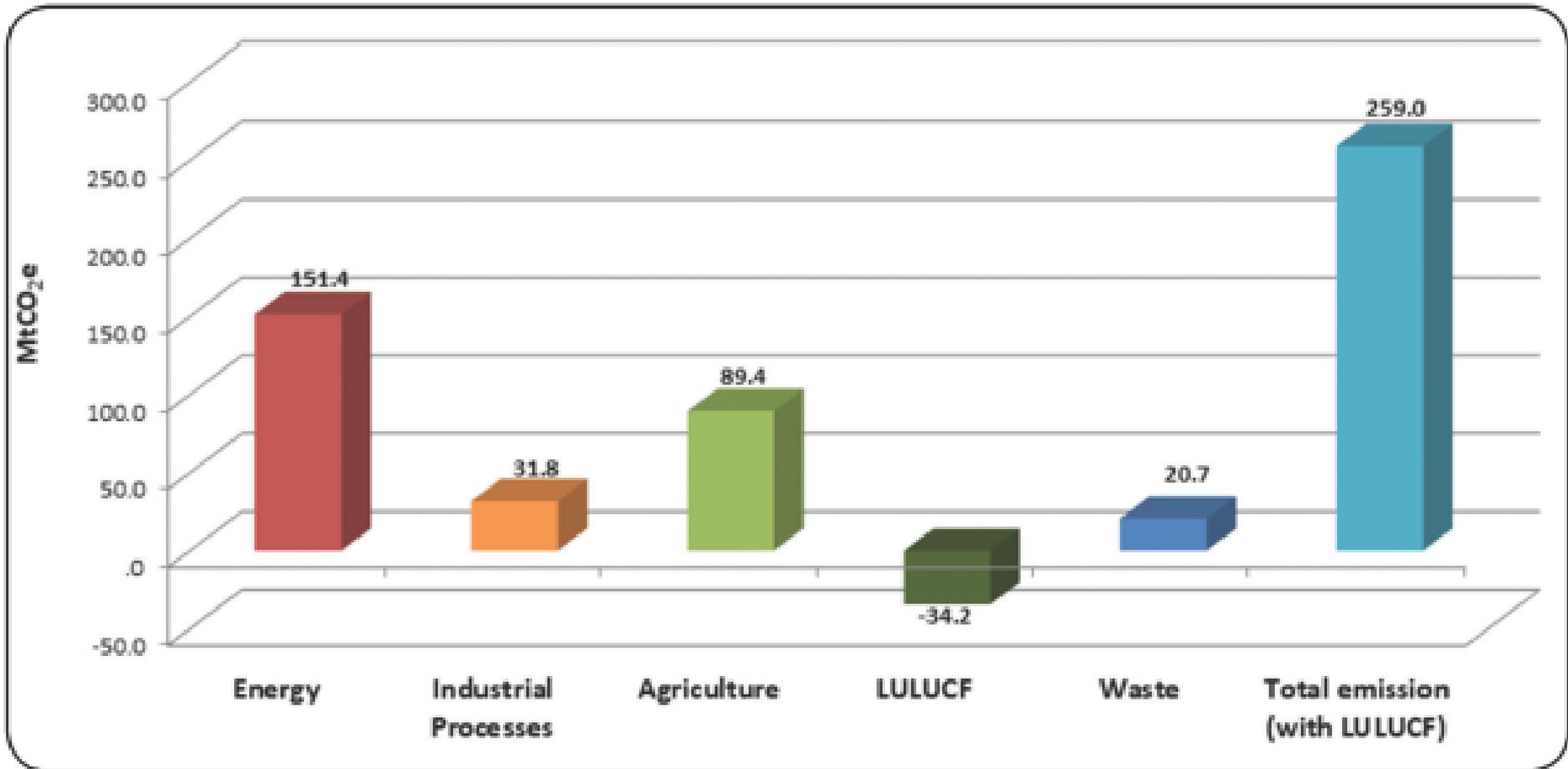
# Institutional arrangement for BUR2 development



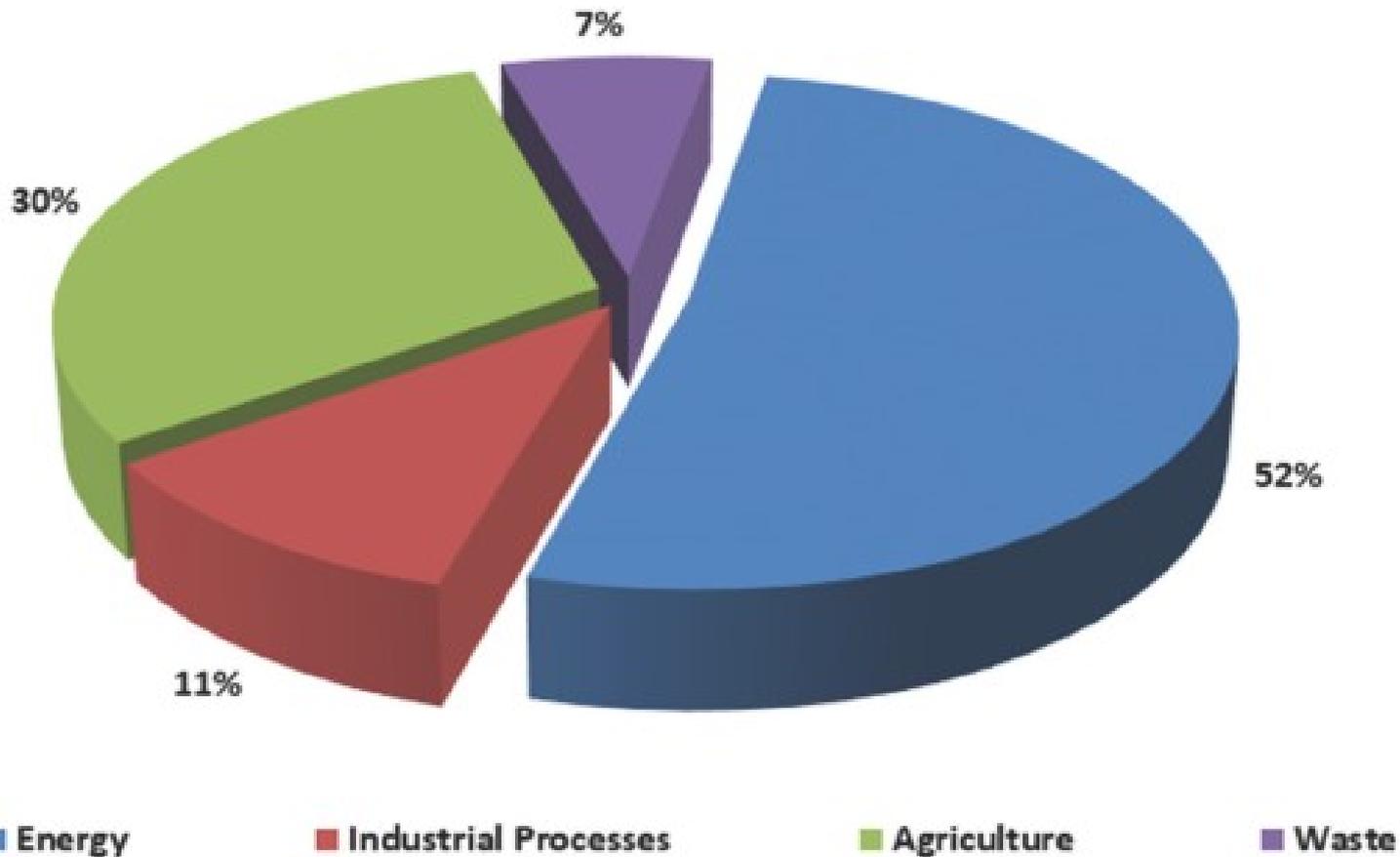
# GHG inventory - Methodology and data sources

Sector	Method	Data sources		
		Activity data	EFs	Other parameters
Energy	Tier 1	Viet Nam Energy Statistics 2013	- IPCC default values for EFs - Country-specific value for coal mining	- IPCC default values - Country-specific calorific values
Industrial Processes	Tier 1	Statistical Yearbook of Viet Nam 2014	IPCC default values for EFs	IPCC default values
Agriculture	Tier 1/Tier 2	- Statistical Yearbook of Viet Nam 2014 - Statistical Yearbook of Agriculture and Rural Development 2014	- IPCC default values for EFs - Country-specific value for rice cultivation and manure management	- IPCC default values - Country-specific for fraction of manure handled using manure system
LULUCF	Tier 1/Tier 2	- Statistical Yearbook of Viet Nam 2014 - Statistical Yearbook of Agriculture and Rural Development 2014 - Land matrix from 2002 to 2012, Department of Remote Sensing, MONRE	IPCC default values for EFs	- IPCC default values - Results from studies
Waste	Tier 1/Tier 2	- Statistical Yearbook of Viet Nam 2014 - State of Environment Reports of 40 provinces/cities	IPCC default values for EFs	- IPCC default values - Results from studies

# GHG inventory - Total emission (2013)



# GHG inventory - Shares of Emission by Sectors



# Mitigation actions and effects

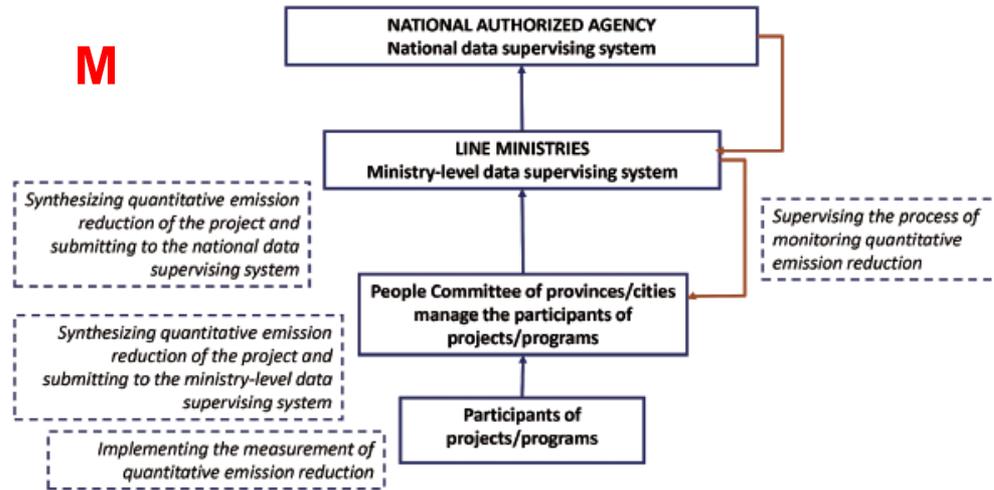
<b>General policies and strategies</b>	<ul style="list-style-type: none"><li>- National Climate Change Strategy</li><li>- National Green Growth Strategy</li><li>- National Target Program for Responding to Climate Change and Green Growth for the period of 2016-2020</li><li>- 2030 Agenda for Sustainable Development</li></ul>
<b>Cross-sectoral mitigation actions</b>	<ul style="list-style-type: none"><li>- Low carbon transition in energy efficiency project</li><li>- Partnership for Market Readiness Project</li><li>- Support program for wind power development in Viet Nam</li><li>- Implementing GHG emission reduction initiatives in the chemical fertilizer industry in Viet Nam</li><li>- Capacity-Building and Support for Development of GHG Emission Reduction Action Plan for Cement Production in Viet Nam</li><li>- Low-Carbon Bus NAMA</li><li>- Waste to Resources NAMA</li><li>- NAMA on Biogas for on-site power generation for medium/large pig farms</li><li>- Climate and livelihoods transformation through low-emission beef production in Viet Nam</li></ul>
<b>Mitigation actions by sectors</b>	<ul style="list-style-type: none"><li>- <b>Energy</b></li><li>- Construction and Industrial processes</li><li>- Transport</li><li>- Waste</li><li>- Agriculture</li><li>- Land Use, Land Use Change and Forestry</li></ul>

## Market mechanisms (up to 31 March 2017)

CDM	<ul style="list-style-type: none"><li>➤ 255 registered CDM Projects</li><li>➤ 10 registered PoA</li><li>➤ 19,653,872 tCO<sub>2</sub>e</li><li>➤ 17,793,032 CERs received</li></ul>
JCM	<ul style="list-style-type: none"><li>➤ Viet Nam-Japan Joint Committee has issued and approved 5 methodologies</li><li>➤ 4 registered projects with the GHG mitigation potential of about 14,469 tCO<sub>2</sub>e by 2020</li></ul>
VCS	<ul style="list-style-type: none"><li>➤ 15 projects developed and registered</li><li>➤ Verified Carbon Units: 603,417 tCO<sub>2</sub>e</li></ul>
GS	<ul style="list-style-type: none"><li>➤ 18 projects have been implemented</li><li>➤ 1,321,174 tCO<sub>2</sub>e GS certificates</li></ul>

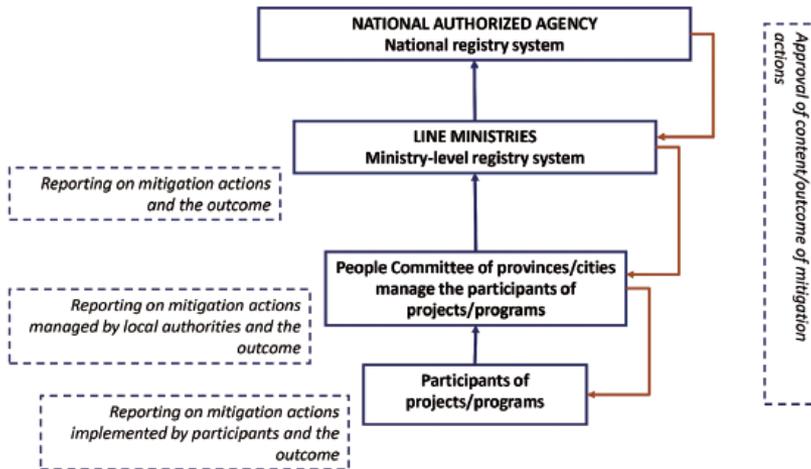
# MRV

## M



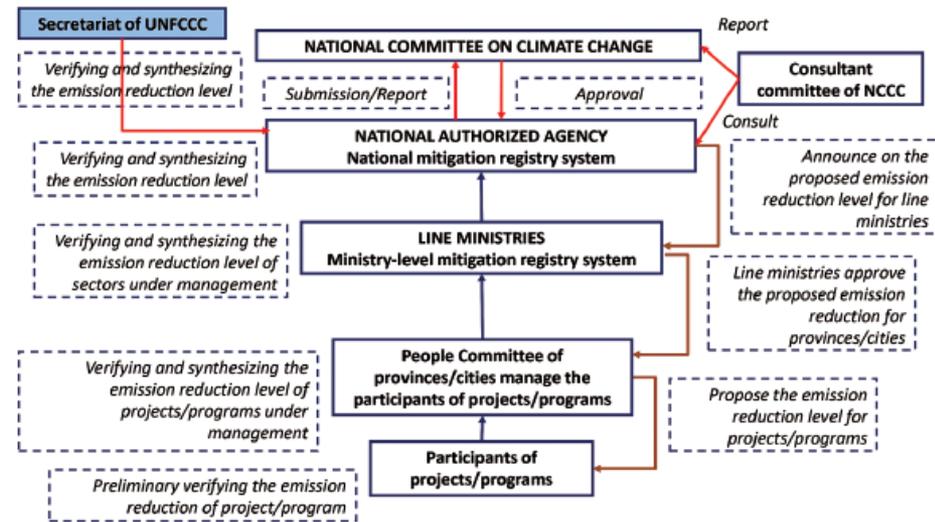
Proposal for implementation of measuring of quantitative GHG reduction

## R



Proposal for reporting mitigation actions

## V



Proposal for reporting/verification process on quantitative GHG reduction of the project

# Obstacles and barriers

Timely and sustainable funding

Familiarity with reporting requirements

Data collection and verification

Human resources and capacity

Coordination among relevant institutions

# Support for development of BUR2

Form of support	Activities	Time	Sources	Information on received support
Finance	Development of BUR2	2016 - 2018	GEF	Collecting and synthesizing information and activity data for GHG inventory, NAMA activities, national circumstance and etc., while developing BUR2
Capacity -building, technical support	Technical support and 02 workshops	2016, 2017	Information Matters Project, GIZ BMUB	Providing technical guidelines for development of BUR2, technical support for reporting the mitigation actions and supports received
Capacity -building	02 technical workshops	2016, 2017	Australia, Singapore, GSP	<ul style="list-style-type: none"> <li>- Enhancing capacity for implementation of ICA and development of BURs</li> <li>- Enhancing capacity on MRV issues</li> </ul>

# THANK YOU!

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