## Transition to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories in Thailand

Sivach Kaewcharoen Director of Database and Knowledge Section



Climate Change Management and Coordination Division (CCMC) Office of Natural Resources and Environmental Policy and Planning (ONEP)

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## Outlines

- **GHG** Inventory of reporting to UNFCCC
- Institutional Arrangement of GHG Inventory
- Thailand Greenhouse Gas Emission Inventory System (TGEIS)
- National Greenhouse Gas Inventory of Thailand
- Challenges in reporting

#### National Communication

REPORT		DATA YEAR	SUBMISSION YEAR	Methodology
Initial National Communication (INC)	Thailand's Initial National Communication We deal states research Consents a Class Teacher Conservation	1994	2000	1996 IPCC Guidelines
Second National Communication (SNC)	Communication Commun	2000-2004	2011	-1996 IPCC Revised Guidelines -2003 GPG for Land use, Land use Change, and Forestry
Third National Communication (TNC)		2000-2013	2018	-1996 IPCC Revised Guidelines -2000 GPG -2003 GPG for LULUCF

### **Biennial Update Reports**

REPORT		DATA YEAR	SUBMISSION YEAR	Methodology
First Biennial Update Reports (BUR 1)	Trailing First Backback Strategiese	2000-2011	2015	-1996 IPCC Revised Guidelines -2000 GPG -2003 GPG for LULUCF
Second Biennial Update Reports (BUR 2)	SECOND BIENNIAL UPDATE REPORT OF THAILAND	2000-2013	2017	-1996 IPCC Revised Guidelines -2000 GPG -2003 GPG for LULUCF
Third Biennial Update Reports (BUR 3)		2000-2016	2020	-2006 IPCC Guidelines -2000 GPG -2003 GPG for LULUCF

# Institutional Arrangement of GHG inventory

#### **Thailand Institutional Arrangement**

#### National Committee on Climate Change Policy (NCCC)

Vice-Chairman

**Prime Minister** 

Members: 24 persons

Secretariat: ONEP

Chairman

#### **Minster of National Resources and Environment**

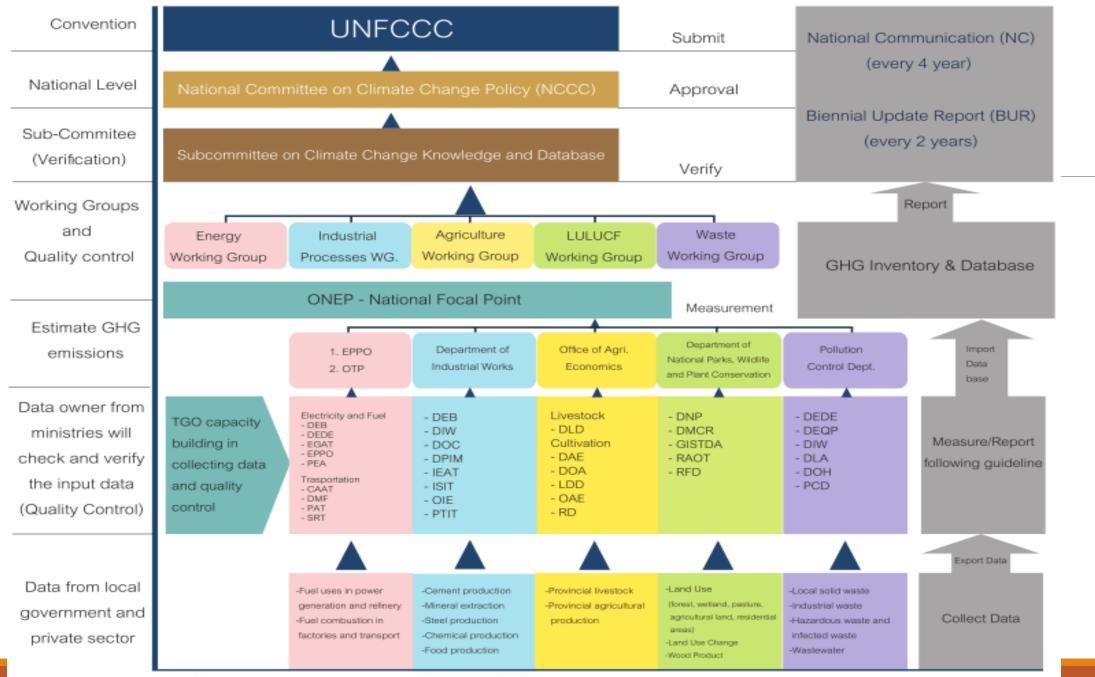
#### **Minster of Foreign Affairs**

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NCCC members:						
1. Prime Minister's Office		9. Minister of Science and Technology				
2. Ministry of Finance		10. Ministry of Education				
		11. Ministry of Public Health				
		12. Ministry of Industry				
		13. Bangkok Metropolitan Administration				
		14. Office of the National Economics and				
7. Ministry of Commerce		Social Development Board (NESDB)				
8. Ministry of Interior		15. Bureau of Budget ONEP				
		16. 5-9 Experts Secretariat				
				Permanent Secret		
				Natural Resources	and Environment	
			C. I		Subcommittee on Action for Climate	
Subcommittee on Climate Change	Subcommittee on Climate C		Subcommittee or	U U	Empowerment and Public Relation	
Policy and Planning Integration	Knowledge and Databas	se	Negotiation and Inter	national Cooperation	Empowerment and rubic Relation	
	Chair: Permanent Secretary, MI	NRE	Chair: Permanent Sec	retary, MNRE	Chair: Permanent Secretary, MNRE	
Chair: Permanent Secretary, MNRE Vice-Chair1: Secretary General, ONEP	Vice-Chair: Secretary General,		Vice-Chair1: Secretary		Vice-Chair: Director-General,	
Vice-Chair2: Secretary General, NESDB	ONEP		Vice-Chair2: Director-Gene		Department of Environment	
Mombors: 24 porsons	Members: 29 persons		of International Organizatio	ns(DIO)	Quality Promotion (DEQP)	

Members: 18 persons

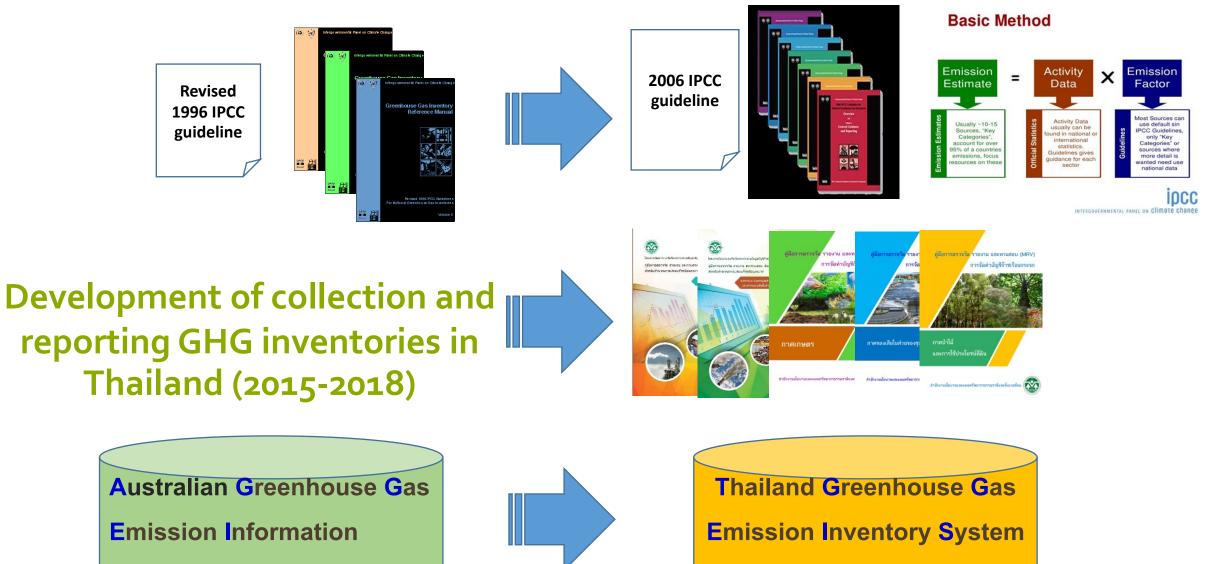
Secretariat: ONEP & DIO

Members: 29 persons Secretariat: ONEP



Source: Office of Natural Resources and Environmental Policy and Planning (ONEP)

#### Enhancing for Greenhouse Gas Inventory transition on 1996 to 2006 IPCC Guidelines



(TGEIS) (2016-2019)

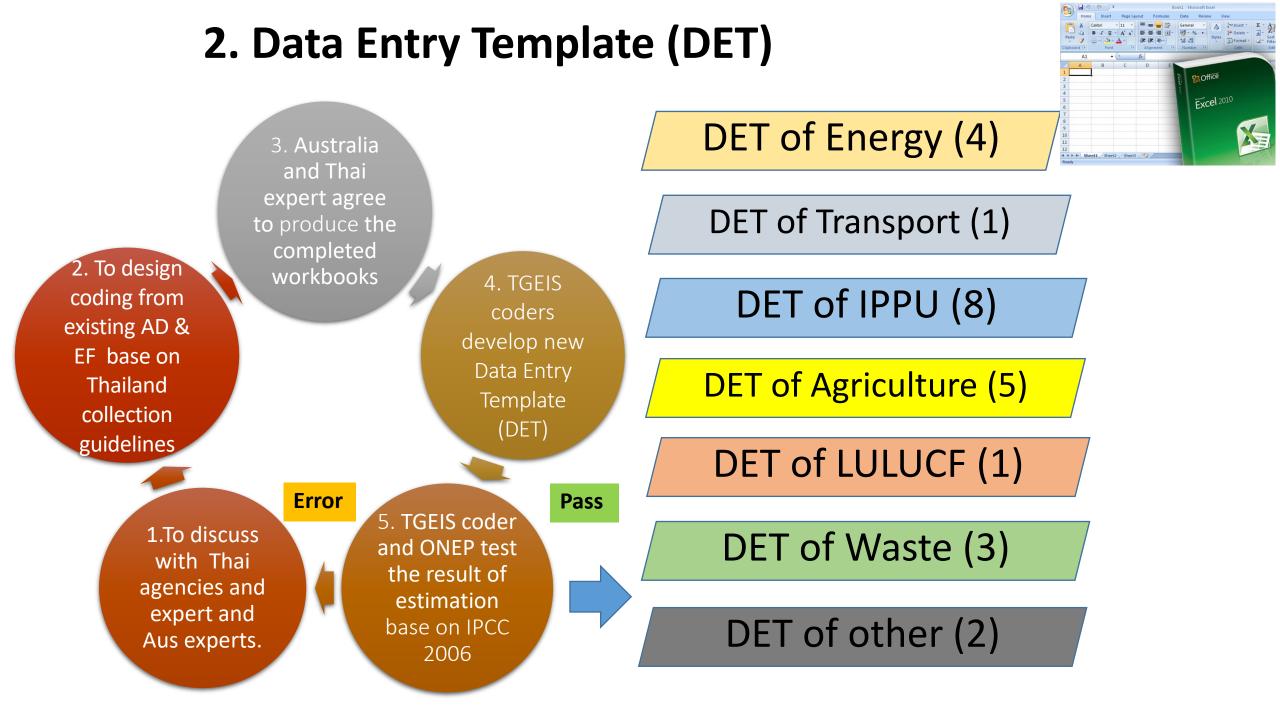
System (AGEIS)

#### 1. What is Thailand Greenhouse Gas Emission Inventory System or TGEIS?



- Emission calculation based on IPCC 2006 guideline and inventory compilation system
- An emissions database that can be queried, graphs produced and data downloaded as reports
- Inbuilt quality control
- Integrated documentation and archive system
- A UNFCCC reporting tool

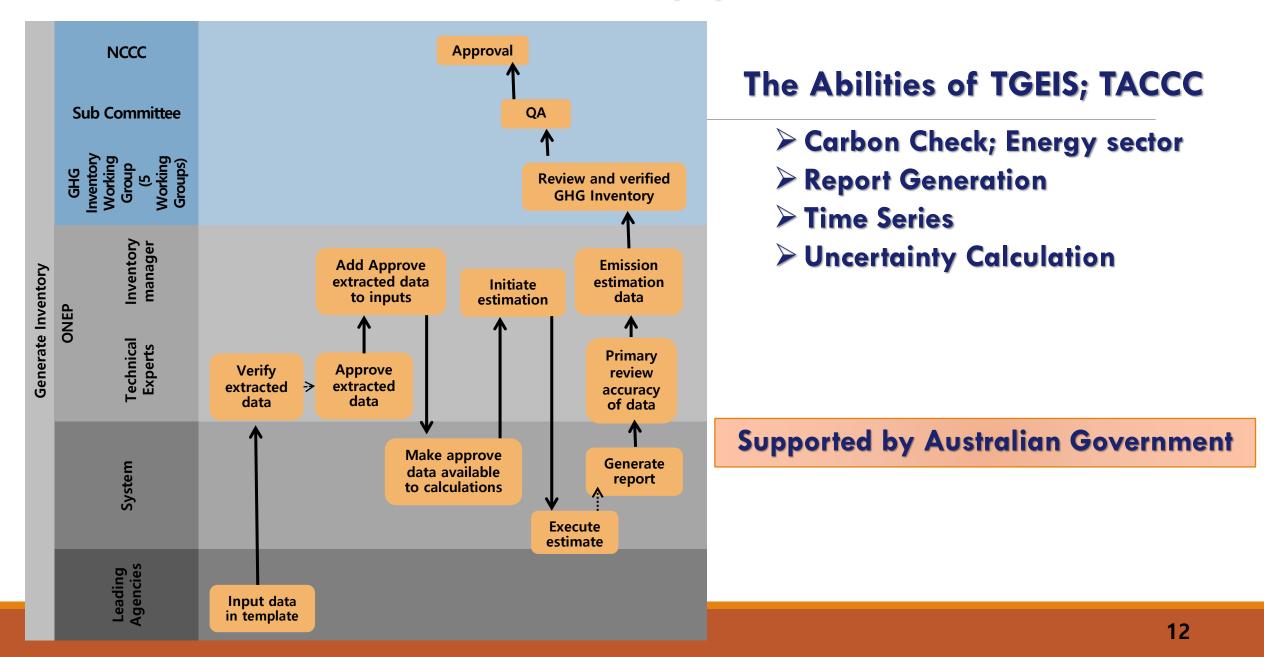




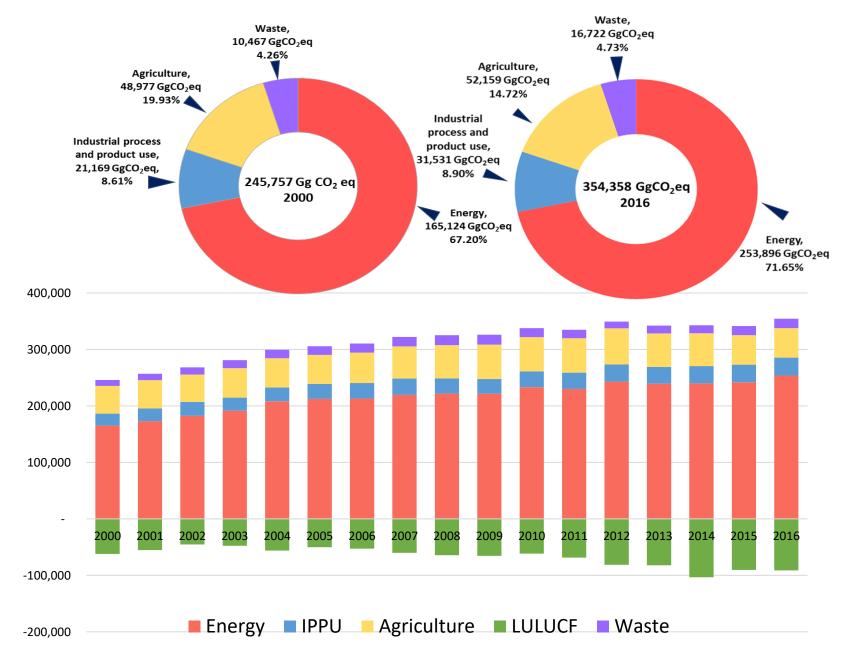
## 3.Key functions for inventory management

New inventory	Recalculations	Archive inventory	Efficiency
<ul> <li>Create new Inventories</li> <li>Flexible frequency</li> </ul>	<ul> <li>New methods</li> <li>New data</li> </ul>	<ul> <li>Store completed inventories &amp; inputs</li> <li>Retrieve and query</li> </ul>	<ul> <li>Rollover previous data into new inventory</li> <li>Not need to re-enter data</li> </ul>

#### 4. Thailand Greenhouse Gas Emission Inventory System (TGEIS)

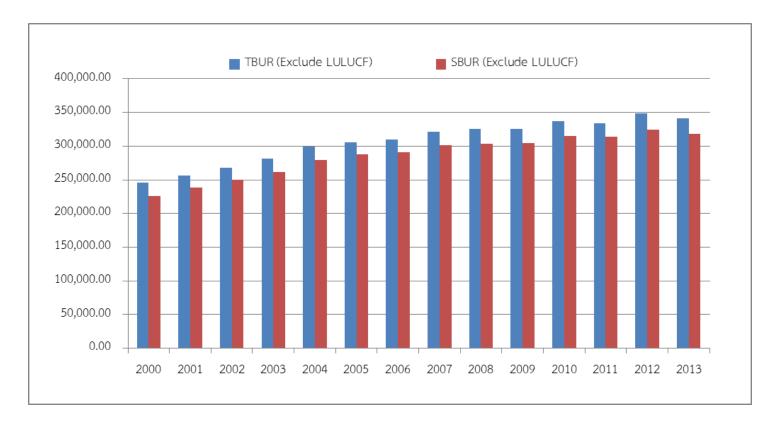


#### National Greenhouse Gas Inventory of Thailand



During 2000 to 2016 total emissions, excluding those from LULUCF sector, increased from 245,757 GgCO<sub>2</sub>eq in 2000 to 354,358 GgCO<sub>2</sub>eq in 2016.

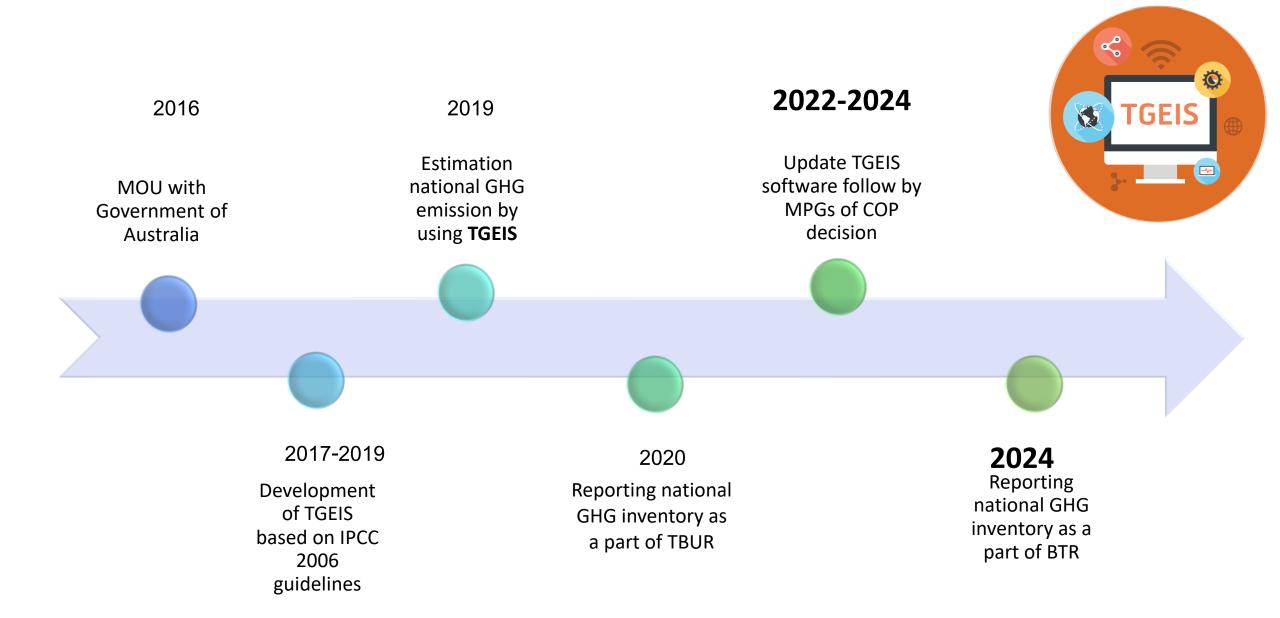
#### comparison of Thailand's GHG emissions between BUR2 and BUR3



The emissions for the period 2000-2013 were higher than those in the previous inventories submitted in the BUR2 in the range of 5.8% to 8.0%.

- Transition to the 2006 IPCC Guidelines for National GHG Inventories in all sectors and enhancing the capacities of national staff involved in the inventory process.
- Move to higher tier particularly for key categories sub-sector.
- Collecting data from private sector, currently there are no regulations.
- Improving data collection and methodology for F-GAS and LULUCF sector.

#### **Next Step**







## Thank you

#### Climate Change Management and Coordination Division Office of Natural Resources and Environmental Policy and Planning Ministry of Natural Resources and Environment

Rama VI Rd. Praya-Thai district, Bangkok 10400 Thailand Tel: +66 2265 6500 ext. 6783 *E-mail: unfccc.thailand.focalpoint@gmail.com http://climate.onep.go.th*