

# INSTITUTIONAL ARRANGEMENT FOR THAILAND GHG INVENTORY



CLIMATE  
CHANGE



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# HISTORY OF THAILAND'S GHG INVENTORY

## For the Initial National Communication (INC)

- ▶ The 1<sup>st</sup> National Inventory (NI) was submitted in 2000 as one chapter of INC
- ▶ Prepared by Office of Environmental Policy and Planning, Ministry of Science, Technology and Environment
- ▶ Estimated the GHG emission inventory of 1994 by using 1996 IPCC Revised Guidelines
- ▶ Submitted to UNFCCC in November 13, 2000



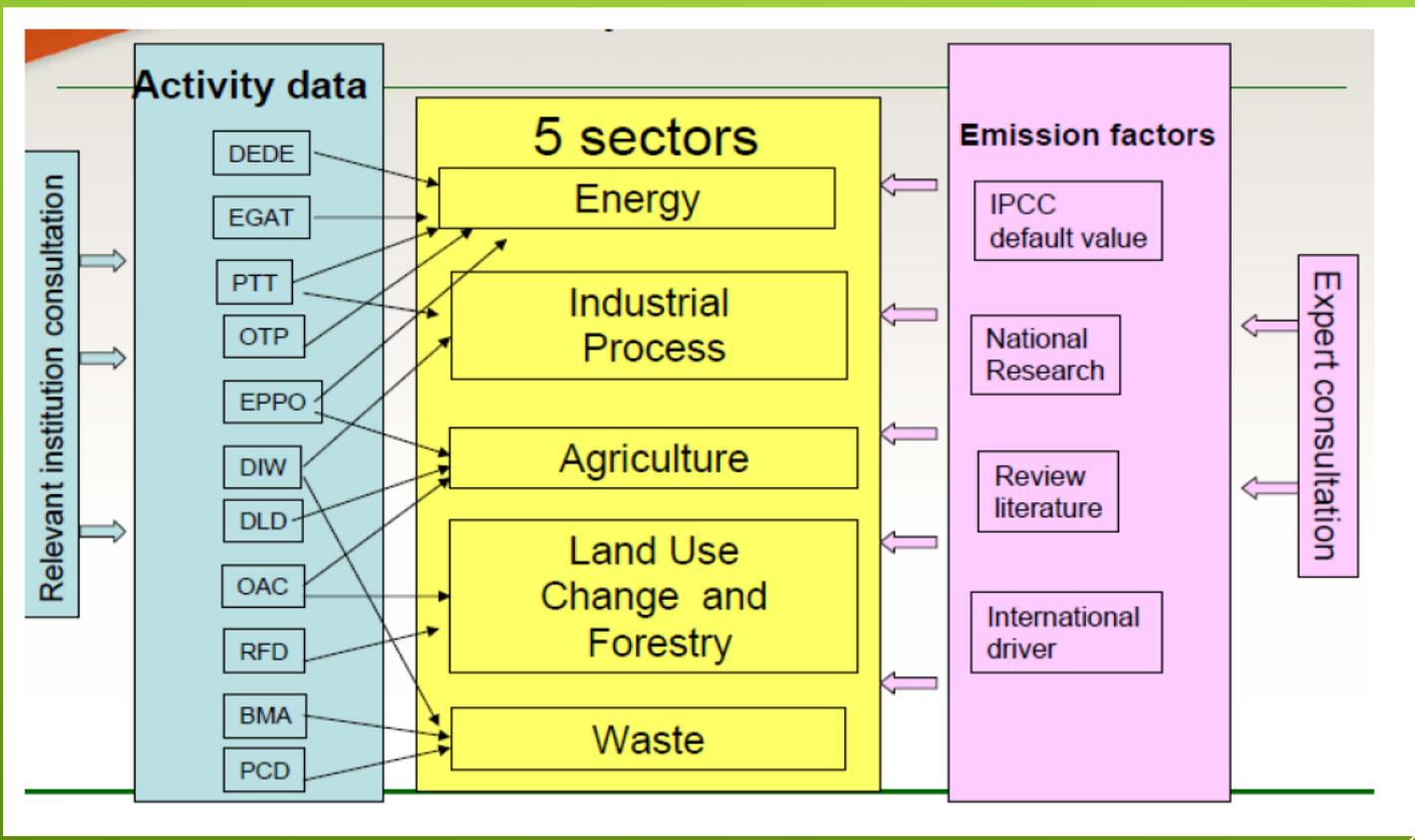
# HISTORY OF THAILAND'S GHG INVENTORY (CONT.)

For the Second National Communication (SNC)

- ▶ The 2<sup>nd</sup> National Inventory was submitted in 2011 as one chapter of SNC
- ▶ Prepared by Office of Natural Resources and Environmental Policy and Planning, Ministry of Natural Resources and Environment
- ▶ Estimated the GHG emission inventory from 2000-2004 by using
  - ▶ Revised 1996 IPCC Guidelines for National GHG Inventories
  - ▶ 2000 IPCC Good Practice Guidance and Uncertainty Management in National GHG Inventories
  - ▶ 2003 Good Practice Guidance for Land Use, Land Use Change and Forestry
- ▶ Submitted to UNFCCC in March 24, 2011



# CONCEPTUAL FRAMEWORK FOR THAILAND'S 2<sup>ND</sup> NI





# EXPERIENCES FROM PREVIOUS NI DEVELOPED FOR INC & SNC

- ▶ Ad hoc institutional arrangement was set up for single NC project.
- ▶ Most of data were collected according to their needs so were not in the format for GHG estimations.
- ▶ The quality of data need to be improved, some still duplicated and some were discontinuity.
- ▶ Currently, the related agencies do not have mandate for collecting & reporting GHG related data to support NI so they cannot request for any resource to support these activities.
- ▶ Lack of some activities data in some subsectors.



# THE NEEDS FOR INSTITUTIONAL ARRANGEMENTS OF GHG INVENTORY SYSTEM

- ▶ Fulfilling GHG inventory reporting commitment under UNFCCC through the BUR which will be more frequent than before
- ▶ The establishment of governance framework will promote leadership in each sector and also engage a broad range of stakeholders, including policy makers, sectorial representative especially from private sector, the research community and civil society to participate in the GHG inventory preparation.
- ▶ Roles and responsibilities for the different partners will be clearly defined for each sector.
- ▶ Supporting the linkage between GHG emission and priorities of mitigation actions.

# NEW POLICY FRAMEWORK FOR CLIMATE CHANGE



National Climate Change Policy Committee

Integrated Policy and  
Plan  
Sub Committee

Technical and GHG  
Database  
Sub Committee

Coordination &  
Negotiation  
Sub Committee

ONEP

Energy Working Group

IPPU Working Group

Agriculture Working Group

LULUCF Working Group

Waste Working Group

# THAILAND INSTITUTIONAL ARRANGEMENT PROCESS OF GHG INVENTORY SYSTEM



- ▶ Thailand has started to establish NI system by starting the institutional arrangement as the following steps;

## Phase 1: Activities with in the 1<sup>st</sup> year

- ▶ Tracking for all existing activity data related to GHG emission in order to see what the characteristic of these current data, how and where the data come from?
- ▶ Exploring the data that have not been collected?
- ▶ Establishing a national coordinating entity with strong leadership at the national level to be leading institution for compiling all activity data from all sectors.

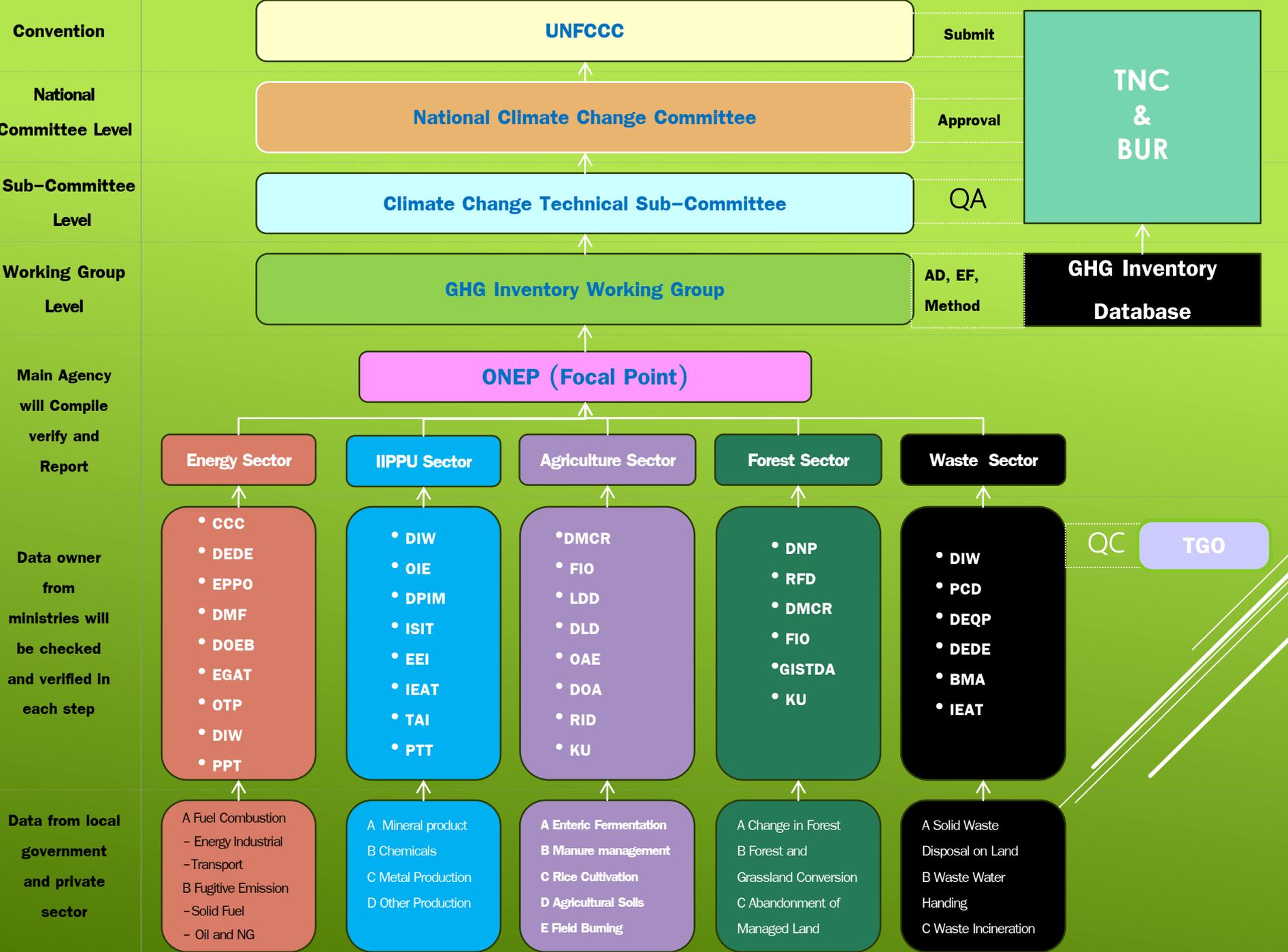


# Thailand Institutional Arrangement Process of GHG Inventory System

- Multi-stakeholder, multi-sector, and multi-level consultation.









# THAILAND GHG INSTITUTIONAL ARRANGEMENT

- ▶ Phase 2: Activities proposed for 2<sup>nd</sup> year
  - ▶ Identifying the channel of data flow for each sector from local to regional and national level (leading agency for each sector) respectively
  - ▶ Designing and Establishing the MRV system for NI
  - ▶ Designing a format for activity data reporting of each sector
  - ▶ Internalizing the NI process: Technical and institutional capacity building for clear responsibilities and task of multi-sector and multi-level of GHG data related agencies

# THAILAND GHG INSTITUTIONAL ARRANGEMENT



- ▶ Phase 3: Activities proposed for the 3<sup>rd</sup> year
  - ▶ Establishing the information technology system for the GHG database to linking among inter-ministerial and cross-sectoral agencies.
- ▶ Phase 4: Activities proposed for the 4<sup>th</sup> year
  - ▶ Capacity building for all relevant multi-stakeholders for GHG activity data reporting
  - ▶ Proposing reporting law and regulation related to GHG activity data if need.



# OPPORTUNITIES

- ▶ An opportunity to establish more continuity of data collection and archiving system
- ▶ Maintenance of collaboration, information exchange and capacities of stakeholders
- ▶ Enhancement of MRV system for GHG inventory
- ▶ Promoting the sustainability of GHG database system over time
- ▶ Corresponding with mitigation results



# CHALLENGES

- ▶ Push forward by high level of each ministry
- ▶ Lack of resources to support such as
  - ▶ Finance
  - ▶ Human resources
  - ▶ Technical issues
- ▶ Need a lot of time for developing the system

**THANK YOU  
FOR YOUR KIND ATTENTION**



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