Development of F-gas emissions estimation from non-Annex I Parties: A case Study of Thailand

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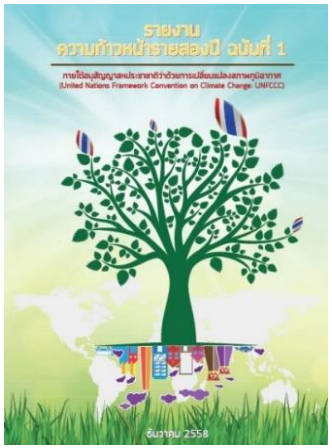
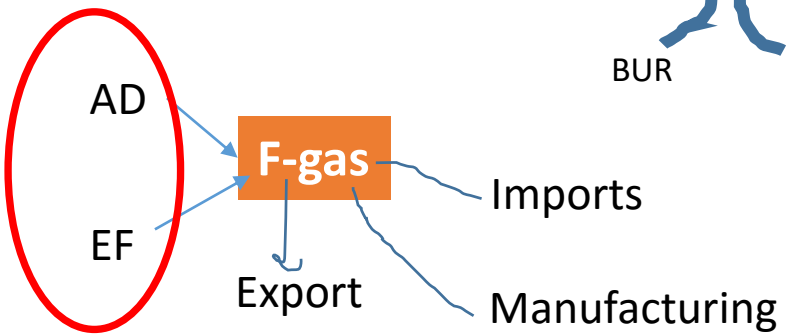
Outline presentation

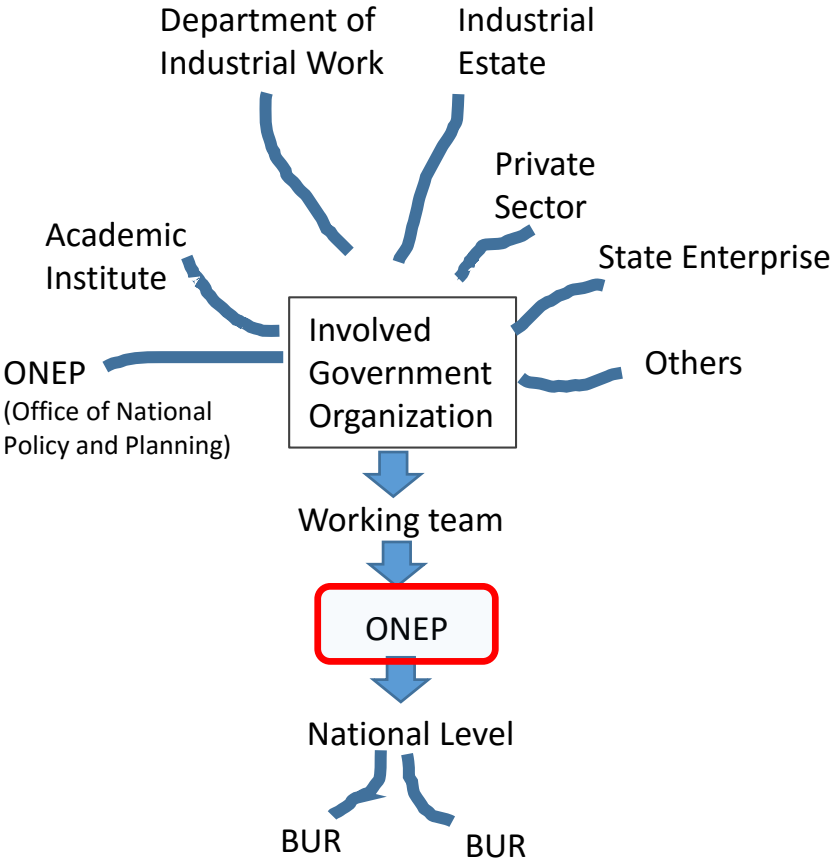
- Thailand BUR2
- The development of F-gas estimation and other GHG estimation system
- TGEIS (Thailand Green House Gas Estimation Inventory System)

Thailand BUR2

- National Communication Report and Biennial Updated Report
- F-gas was not reported in BUR2
- The limitation of available data
- **Challenges** for our country



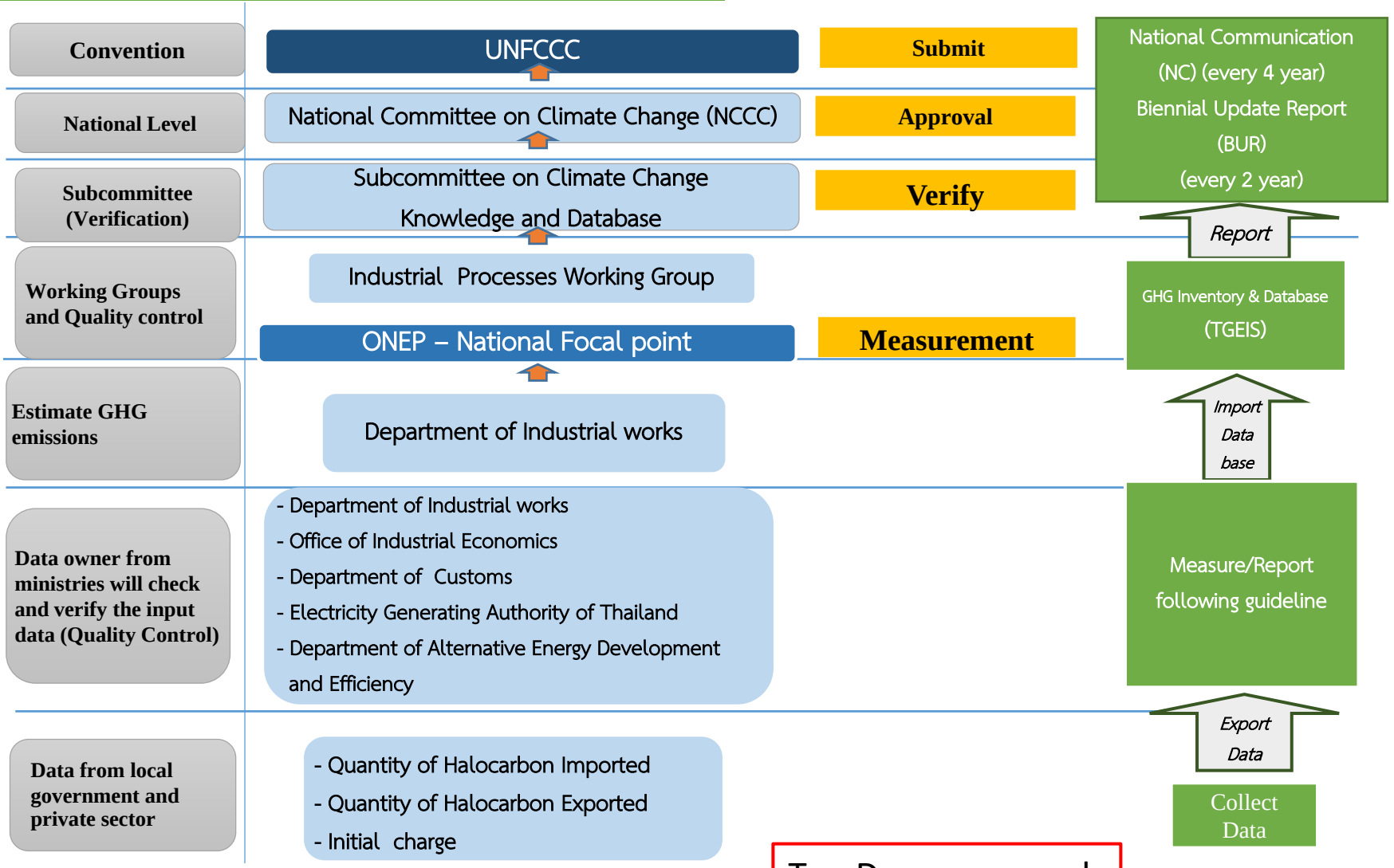




The development of F-gas estimation and other GHG estimation system

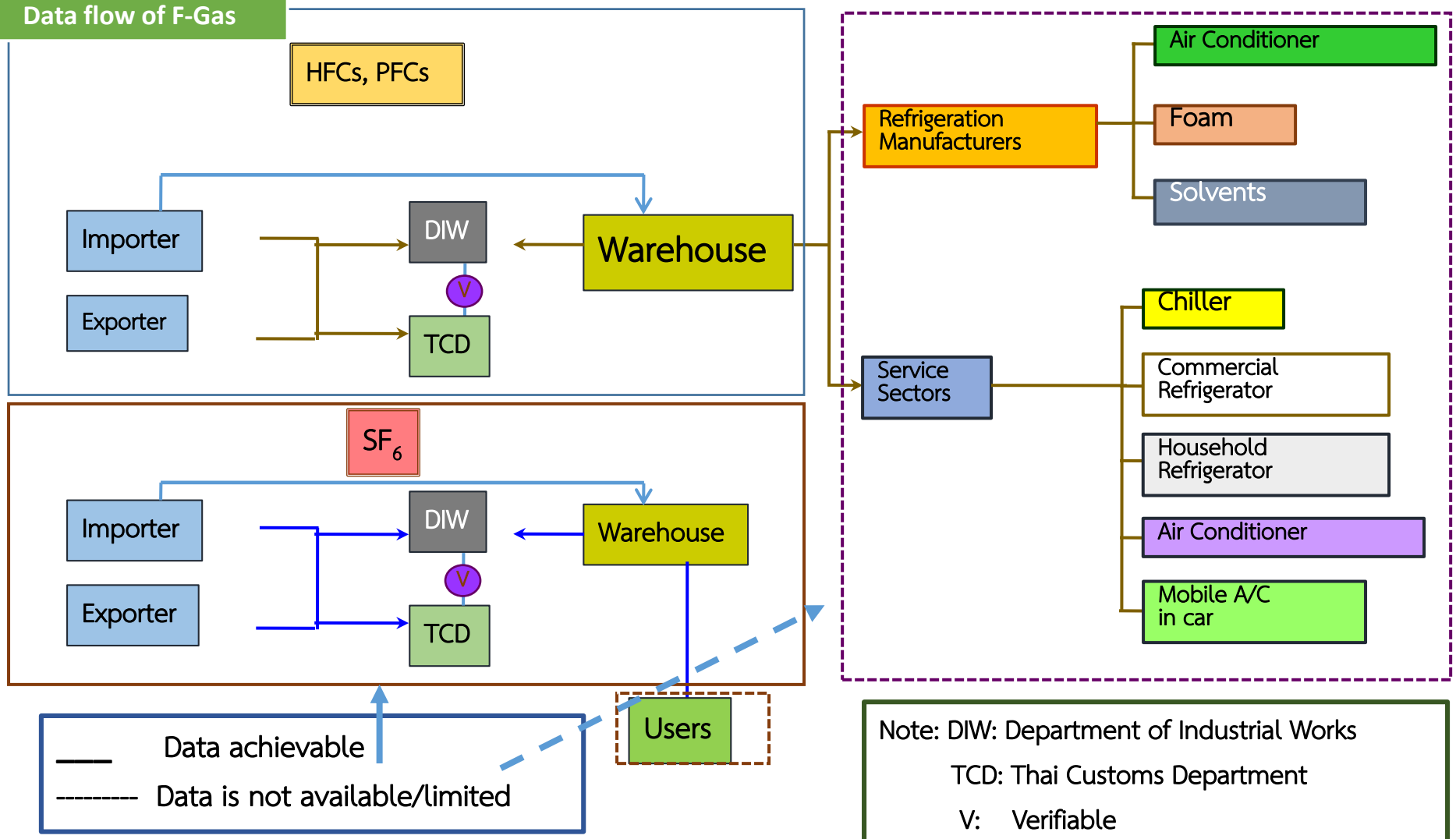
Working team for BUR2: Meeting and Workshop

Flow chart of organizing committee for F-gas



M R V approach → AD, EF ← Top-Down approach / Bottom-Up approach

Data flow of F-Gas



* Based on the data collected: there have been no production of PFCs, HFCs and SF_6 in Thailand

F-gas Emission Estimation

Tier 1 Method

Potential Emissions = Production + Imports - Exports - Destruction

Annual Emissions = Net consumption * Composite EF

Scenario

- **Tier 1a**, chemicals contained in products are not considered. Only chemicals imported or exported

Potential Emissions = Production + Imports - Exports - Destruction

Exports = Exported HFC/PFC in bulk

Imports = Imported HFC/PFC in bulk

- **Tier 1b**, chemicals contained in products are considered. An extension of **Tier 1a** and includes HFCs/PFCs contained in various products that are imported and exported.

Potential Emissions = Production + Imports - Exports - Destruction

Exports = Exported chemical in bulk + quantity of chemical exported in HFC/PFC containing products

Imports = Imported chemical in bulk + quantity of chemical imported in HFC/PFC containing products

Development of our GHG Inventory System

Thailand's Greenhouse Gas Emissions Inventory System (TGEIS)

- The **Australian Department of the Environment and Energy**, has entered into a bilateral agreement with **ONEP** to support development of Thailand's Greenhouse Gas Emissions Inventory System (TGEIS).

- The system is to support future development of Thailand's NC and BUR, inform policy formulation and improve the decision-making process.

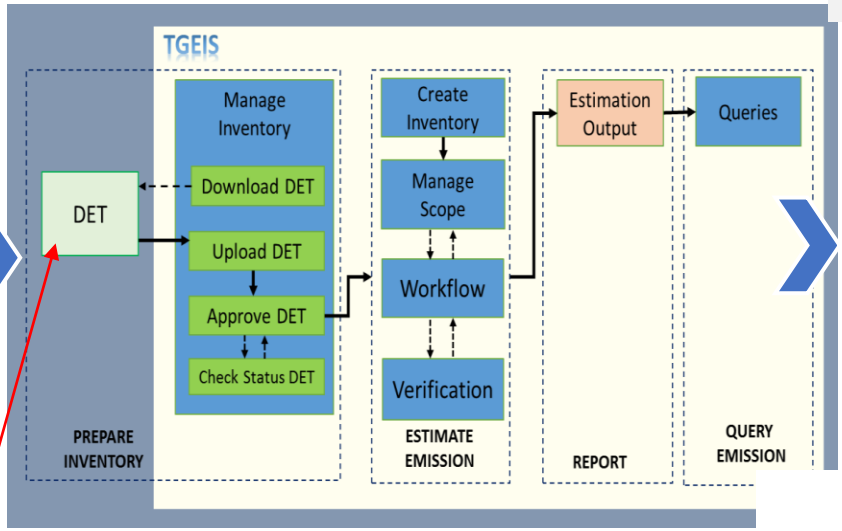
Thailand's Greenhouse Gas Emissions Inventory System (TGEIS)

Prepare Draft GHG Inventory Report as a part of NC & BUR

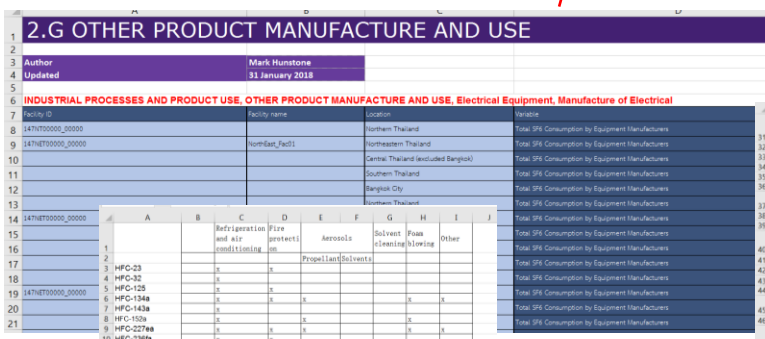
Data Owners

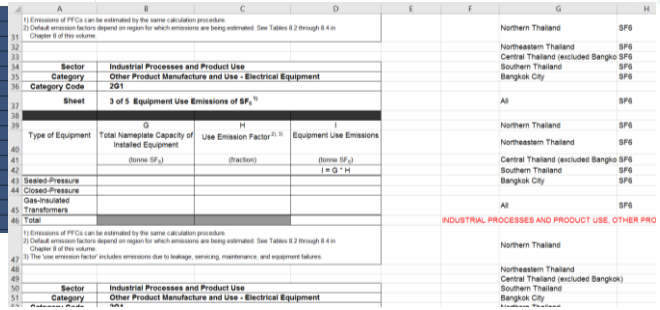
- DEDE
- DIW
- EGAT
- OIE
- TCD

Department of Industrial works (DIW)



Report





Challenge

- Promoting understanding among industrial owners and other stakeholders about the significance of GHG estimation is the highest priority for supporting a new data collection
- Difficulties for data collection due to project similarity with DIW so that the manufacture may confuse and inconvenience to provide data.
- Insufficient national data to support the data collected from manufacturers
- Difficulties of data collection due to sub-application characteristics (confidential data: agreement (MOU or MOA)

13 July 2018 : TGEIS Launching

Capacity Building

16 July 2018 : DIW Launching the project to support TGEIS

Thank you very much for your attention