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The 22<sup>nd</sup> Workshop on Greenhouse Gas Inventories in Asia 16<sup>th</sup> July, 2025



# Workshop on Greenhouse Gas Inventories in Asia (WGIA)

Workshop title:	Workshop on Greenhouse Gas Inventories in Asia (WGIA)
Objective:	To support countries in Asia to improve the quality of inventories via regional information exchange
Organizers:	, '
	National Institute for Environmental Studies
Member	Bhutan, Brunei, Cambodia, China, India, Indonesia, Japan,
countries:	Republic of Korea, Laos, Malaysia, Mongolia, Myanmar, Philippines, Singapore, Thailand, Viet Nam (16 countries)
	Thinppines, Singapore, Thanana, viet Nam (10 countries)
Participants:	Government officials, researchers and compilers
Style:	Annual workshop since 2003
Funds:	Ministry of the Environment of Japan



### **Necessity of GHG Inventory**

- ➤ National GHG inventory for the Transparency Framework under the Paris Agreement
- Inventories form the basis of rational policy development because they can be used:
  - to identify the major sectors where abatement will have a real impact.
  - to predict and compare impacts of mitigation measures.
  - to choose efficient/ effective mitigation options.
- Inventories are essential to the monitoring of impacts of mitigation policies and measures.
  - Policy makers need to know if policies are working.
  - Inventory estimation methods should be chosen to reflect impacts of mitigation actions.



### What do we do to improve our inventories in WGIA?

- Updating inventory related information of each member country
- >Sharing experiences concerning inventory development, and preparation
- ➤ Identifying common issues and discussing possible solutions
- ➤ Discussion on cross-cutting and sector-specific issues concerning inventories
- Mutual Learning since 2011: In-depth methodological discussion between 2 countries by inventory-compilers

### **Outcomes**

- > Development of a network for inventory experts
- ➤ Presentations made by the participants in the workshop are available on the below URL: https://www.nies.go.jp/gio/en/wgia/index.html
- Workshop proceedings are published

### WGIA History WGIA1

Staring with 11 countries, Identified problems and needs of support

Organized working groups and discussed sector specific issues

Shared information and experiences/ Conduct Mutual Learning

Poster session (Sharing information on specific issues)

Hands-on Training on the ETF GHG Inventory Reporting Tool

Group discussion on the ETF GHG Inventory Reporting Tool

Malaysia becomes a member country

Newly started "Mutual Learning"

Brunei become a member country

Bhutan become a member country

Mutual Learning and Plenary Session

Mutual Learning and Plenary Session

Group discussion on BTR readiness

Only Mutual Learning

Discussed technical matters on each sector inventory

Singapore and Myanmar become member countries

Identified needs for further inventory improvement

Reaffirmed the importance of inventory development

Shared information and experiences gained through inventory development

Shared information and experiences/ Discussed sector specific and cross cutting issues

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Phuket, Thailand, 13-14 Nov. 2003

Shanghai, China, 7-8 Feb. 2005

Jakarta, Indonesia, 14-15 Feb. 2007

Tsukuba, Japan, 16-18 July 2008

Hanoi, Viet Nam, 10-12 July 2012

Bangkok, Thailand, 4-6 August 2014

Ulaanbaatar, Mongolia, 26-28 July 2016

Nay Pyi Taw, Myanmar, 11-13 July 2017

Tsukuba, Japan, 5-7 July 2013

Bali, Indonesia, 4-6 August 2015

New Delhi, India, 10-13 July 2018

Singapore, 30 July - 2 August 2019

Tomakomai, Japan, 26 – 29 June 2023

Phnom Penh, Cambodia, 15-18 July 2025

Putrajaya, Malaysia, 9-12 July 2024

On-line, 21, 22, 28 July 2020

On-line, 8 - 14 July 2021

On-line, 7 – 13 July 2022

Kuala Lumpur, Malaysia, 6-8 Sep. 2007

Seoul, Republic of Korea, 7-10 July 2009

Phnom Penh, Cambodia, 13-15 July 2011

Vientiane, Lao P.D.R., 13-16 July 2010

WGIA2:

WGIA4:

WGIA5:

WGIA6:

WGIA7:

WGIA8:

WGIA9:

WGIA10:

**WGIA11:** 

**WGIA12:** 

**WGIA13**:

**WGIA14**:

**WGIA15:** 

**WGIA16:** 

**WGIA17**:

**WGIA18:** 

**WGIA19**:

WGIA20:

**WGIA21**:

WGIA22:

2020

WGIA3:

Manila, Philippines, 23-24 Feb. 2006

# Achievements of WGIA

#### Dissemination

Website



## Strengthened a network of regional experts



WGIA1 in Thailand (2003)



WGIA21 in Malaysia (2024)



WGIA19 on-line (2022)

### Welcome to WGIA22!

### Participants from ...

15 Member
Countries in
Asia:

### Government officials, researchers, compilers from:

Bhutan, Brunei, Cambodia, China, India, Indonesia, Japan, Republic of Korea, Laos, Malaysia, Mongolia, Philippines, Singapore, Thailand, and Viet Nam.

### Japan's Organizations:

- Japan's Ministry of the Environment (MOE),
- Organizations: National Institute for Environmental Studies (NIES),
  - Institute for Global Environmental Strategies (IGES),
  - Ministry of Agriculture, Forestry and Fisheries (MAFF),
  - National Agriculture and Food Research Organization (NARO), and so on...

# International Organizations & observers:

- United Nations Framework Convention on Climate Change
- Intergovernmental Panel on Climate Change, Task Force on National GHG Inventories,
- Food and Agriculture Organization of the United Nations,
- Uzbekistanand so on...

### Workshop flow



#### Day 1: 15<sup>th</sup> July, Tuesday

- Mutual Learning (Closed Session), Energy, and Waste
- Hands-on Training on IPCC Inventory Software

#### Day 2: 16th July, Wednesday

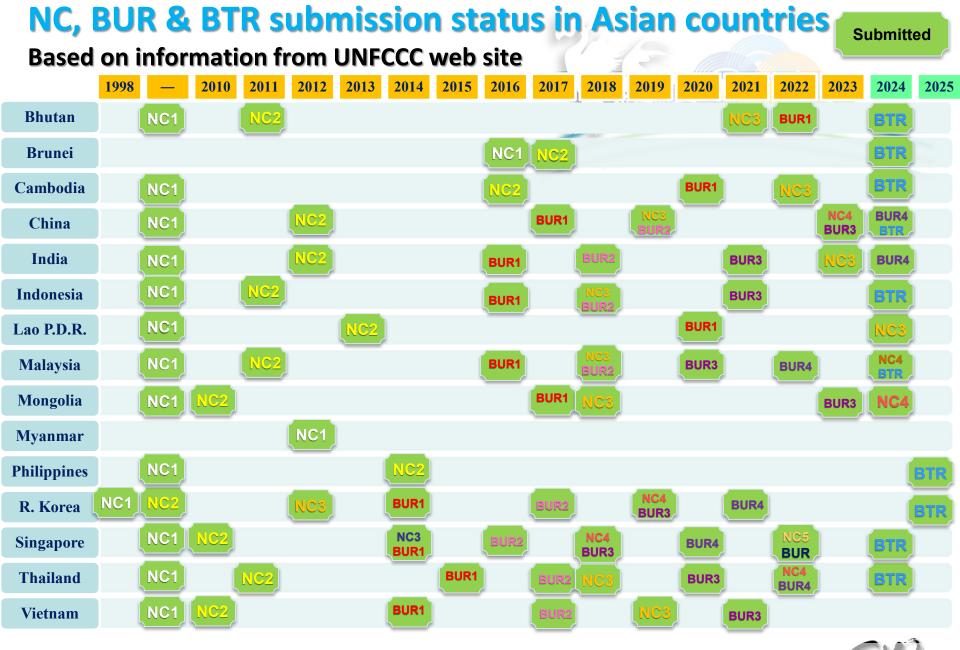
- Opening Session
- Session I: Updates on the GHG Inventory of Biennial Transparency Reports (BTRs)
- Session II: Estimation Methodology and Data for Agriculture
- Session III: Discussion on the ETF GHG Inventory Reporting Tool

#### Day 3: 17<sup>th</sup> July, Thursday

- Session IV: Technical Expert Review and Support Available
- Poster session
- Wrap-up Session
- Joint Meeting of the WGIA Organizing Committee (OC) and Advisory Board (AB) (Closed Session)

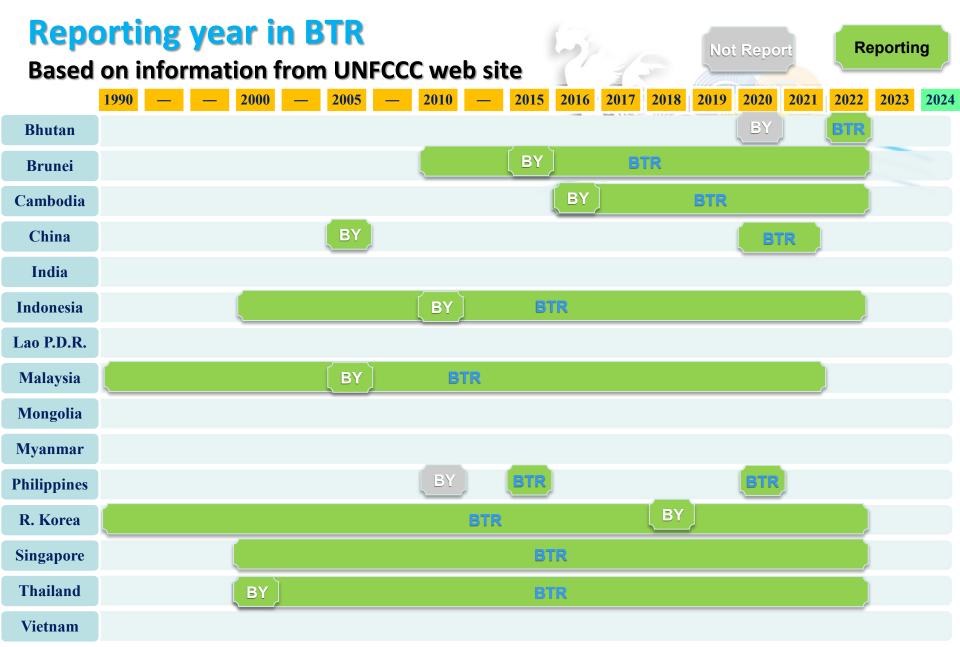
### Study tour: 18th July, Friday

Greenhouse gas Inventory Office of GIAN



NC: National Communication BUR: Biennial Update Report BTR: Biennial Transparency Report









### **Expected outcomes of WGIA22**

- Enhancement of the quality of GHG inventories for BTRs
- Enhancement of understanding of the methodology of Agriculture sector
- How to use the ETF GHG Inventory Reporting Tool
- Strengthening of the participants' understanding of the technical expert review (TER)

→Accurate GHG inventories in BTRs will contribute to future planning and assessment of the progress towards emission reduction targets under the Paris Agreement.





## Thank you

Presentation Material: <a href="https://">https://</a>

GIO website: <a href="https://www.nies.go.jp/gio/en/index.html">https://www.nies.go.jp/gio/en/index.html</a>

WGIA website: <a href="https://www.nies.go.jp/gio/en/wgia/index.html">https://www.nies.go.jp/gio/en/wgia/index.html</a>



### Virtual Participation Guidelines

- Sessions are recorded for the purpose of creating WGIA's proceedings.
- Please keep your microphone muted and your camera switched off during the meeting.
- Change your username as follows.

```
<Country/Organization> <First Name> <Last Name>
Click "Participants" > "More" > "Rename".
```

- When requesting to speak,
  - Please use the chat function in order to be acknowledged.
- When you are given the floor,
  - Please unmute your microphone (and if able, turn your camera on)
  - Identify yourself

