



Introduction to WGIA19

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The 19th Workshop on Greenhouse Gas Inventories in Asia

11th July, 2022

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:	Ministry of the Environment of Japan National Institute for Environmental Studies
Member countries:	Bhutan, Brunei, Cambodia, China, India, Indonesia, Japan, Republic of Korea, Laos, Malaysia, Mongolia, Myanmar, Philippines, Singapore, Thailand, Viet Nam (16 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.

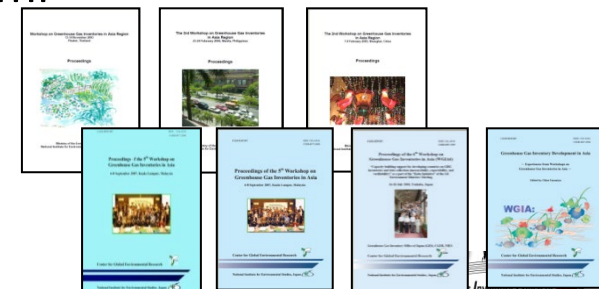
What do we do to improve our inventories in WGIA?



- 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:	Phuket, Thailand, 13-14 Nov. 2003	Starting with 11 countries Identified problems and needs of support
WGIA2:	Shanghai, China, 7-8 Feb. 2005	Shared information and experiences gained through inventory development
WGIA3:	Manila, Philippines, 23-24 Feb. 2006	Malaysia becomes a member country Discussed technical matters on each sector inventory
WGIA4:	Jakarta, Indonesia, 14-15 Feb. 2007	Singapore and Myanmar become member countries Organized working groups and discussed sector specific issues
WGIA5:	Kuala Lumpur, Malaysia, 6-8 Sep. 2007	Identified needs for further inventory improvement
WGIA6:	Tsukuba, Japan, 16-18 July 2008	Reaffirmed the importance of inventory development
WGIA7:	Seoul, Republic of Korea, 7-10 July 2009	Shared information and experiences / Discussed sector specific and cross cutting issues
WGIA8:	Vientiane, Lao P.D.R., 13-16 July 2010	
WGIA9:	Phnom Penh, Cambodia, 13-15 July 2011	Newly started "Mutual Learning"
WGIA10:	Hanoi, Viet Nam, 10-12 July 2012	Shared information and experiences / Conduct Mutual Learning
WGIA11:	Tsukuba, Japan, 5-7 July 2013	
WGIA12:	Bangkok, Thailand, 4-6 August 2014	
WGIA13:	Bali, Indonesia, 4-6 August 2015	Brunei become a member country
WGIA14:	Ulaanbaatar, Mongolia, 26-28 July 2016	Poster session (Sharing information on specific issues)
WGIA15:	Nay Pyi Taw, Myanmar, 11-13 July 2017	
WGIA16:	New Delhi, India, 10-13 July 2018	
WGIA17:	Singapore, 30 July - 2 August 2019	Bhutan become a member country
2020	On-line, 21, 22, 28 July 2020	Only Mutual Learning
WGIA18:	On-line, 8 – 14 July 2021	Mutual Learning and Plenary Session



Achievements of WGIA

Dissemination

- Website
- Proceedings



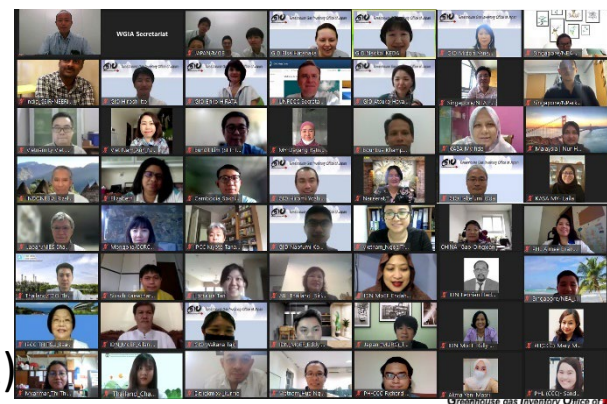
Strengthened a network of regional experts



WGIA1 in Thailand (2003)



WGIA17 in Singapore (2019)



WGIA18 on-line (2021)

Welcome to WGIA19!

Participants from ...

<p>15 Member Countries in Asia:</p>	<p><u>Government officials, researchers, compilers from:</u> Bhutan, Brunei, Cambodia, China, India, Indonesia, Republic of Korea, Laos, Malaysia, Mongolia, Myanmar, Philippines, Singapore, Thailand, and Viet Nam.</p>
<p>Japan's Organizations:</p>	<ul style="list-style-type: none">● Ministry of the Environment (MOE),● National Institute for Environmental Studies (NIES),● Institute for Global Environmental Strategies (IGES), and so on...
<p>International Organizations & observers:</p>	<ul style="list-style-type: none">● United Nations Framework Convention on Climate Change● IPCC Task Force on National GHG Inventories,● Food and Agriculture Organization of the United Nations● United States Environmental Protection Agency, and so on...

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.
- Avoid backlight and sit in a **quiet place** when speaking.
- 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.
 - ※Do not raise the virtual hand
 - Please **write "hand" only** in the chat.
 - ※Do not write your question in the chat.

The floor will be given in the order requests appear in the chat.
- When you are given the floor,
 - Please unmute your microphone (and if able, turn your camera on)
 - Identify yourself

Zoom Meeting interface showing a name card for Hiroshi Ito. The name "Hiroshi Ito" is displayed in large white text on a black background. At the bottom, there is a toolbar with icons for Mute, Start Video, Security, Participants, Chat, Share Screen, Record, Reactions, and End. A "Raise Hand" button is highlighted with a red 'X' and a callout bubble that says "Click here".

Chat

From Me to Everyone:

hand

Who can see your messages?

To: Everyone

File

Type message here...

Workshop flow

Day 1: 7th July, Thursday

- Mutual Learning (Closed Session)

Day 2: 8th July, Friday

- Mutual Learning (Closed Session)

Day 3: 11th July, Monday

- Opening Session
- **Session I:** Updates on the GHG Inventory of National Communications (NCs) and Biennial Update Reports (BURs) from non-Annex I Parties
- Poster Session

Day 4: 12th July, Tuesday

- **Session II:** New Reporting Formats and Tools under the Paris Agreement

Day 5: 13th July, Wednesday

- **Session III:** Cross-cutting Guidance for Reporting under the Paris Agreement
- Closing Session
- Joint Meeting of the WGIA Organizing Committee (OC) and Advisory Board (AB) (Closed Session)

During the workshop

- Poster Session

Poster session



The 19th Workshop on Greenhouse Gas Inventories in Asia

WGIA19 Agenda **Poster** List

Keyword search

- GIO**
■ ■ Preparation of Japan's National Greenhouse Gas Inventory and Trends in GHG Emissions ■ ■
- GOSAT**
Rajesh Janardanan, Shamil Maksyutov, Fenjuan Wang, T...
- FAO**
Mirella Salvatore, Akiko Nagano, FAO Understanding cou...
- TBC**
Xaylee, Laos
- KMUTT 1**
■ ■ Application of Rice GHG Application for MRV system ■ ■
- KMUTT 2**
- KMUTT 3**
- JIRCAS 1**
■ ■ Emission factors for Vietnamese beef cattle manure ■ ■
- JIRCAS 2**
■ ■ Comprehensive Assessment of Greenhouse Gas Emi...

Inbox Comments **From Organizer**

Thank you for registering for WGIA19. You can download the presentation files from the Agenda tab.

GIO

■ ■ Preparation of Japan's National Greenhouse Gas Inventory and Trends in GHG Emissions ■ ■

Greenhouse Gas Inventory Office of Japan (GIO), Japan

[Abstract]
Under Article 4 and 12 of the United Nations Framework Convention on Climate Change (hereinafter, Convention) and relevant decisions adopted by the Conference of the Parties, the Annex I parties including Japan (i.e. developed countries) are required to prepare national greenhouse gas (GHG) inventories and submit them to the Secretariat of the Convention. Moreover, Article 7 of the Act on Promotion of Global Warming Countermeasures, which provides for domestic measures under the Convention, requires the Government of Japan to annually estimate and make public Japan's GHG emissions and removals.

In accordance with these Articles, the Greenhouse Gas Inventory Office of Japan (GIO) develops the GHG inventory in cooperation with private consultant companies under a contract with the Ministry of the Environment. Before preparing GHG inventories, GIO collects data from relevant ministries, agencies and organizations to estimate emissions and removals. Based on these data together with other data from different publications, GIO then compiles the GHG inventory.

Japan's total GHG emissions in FY2020 were 1,150 million tonnes of carbon dioxide (CO2) equivalents (Mt CO2 eq.). This is a decrease of 18.4% (259 Mt CO2 eq.) compared to the FY2013 emissions (1,409 Mt CO2 eq.), mainly because of the reduced energy consumption (due to improved energy conservation, the effects of the spread of COVID-19, etc.) and the decrease in CO2 emissions from electricity production due to the wider use of low-carbon electricity (wider adoption of renewable energy, resumption of nuclear power plant operations), despite the increase in hydrofluorocarbon emissions.

Website
<https://www.nies.go.jp/gio/en/index.html>

Documents

Preparation of Japan's National Greenhouse Gas Inventory and Trends in GHG Emissions

Download

1 Users

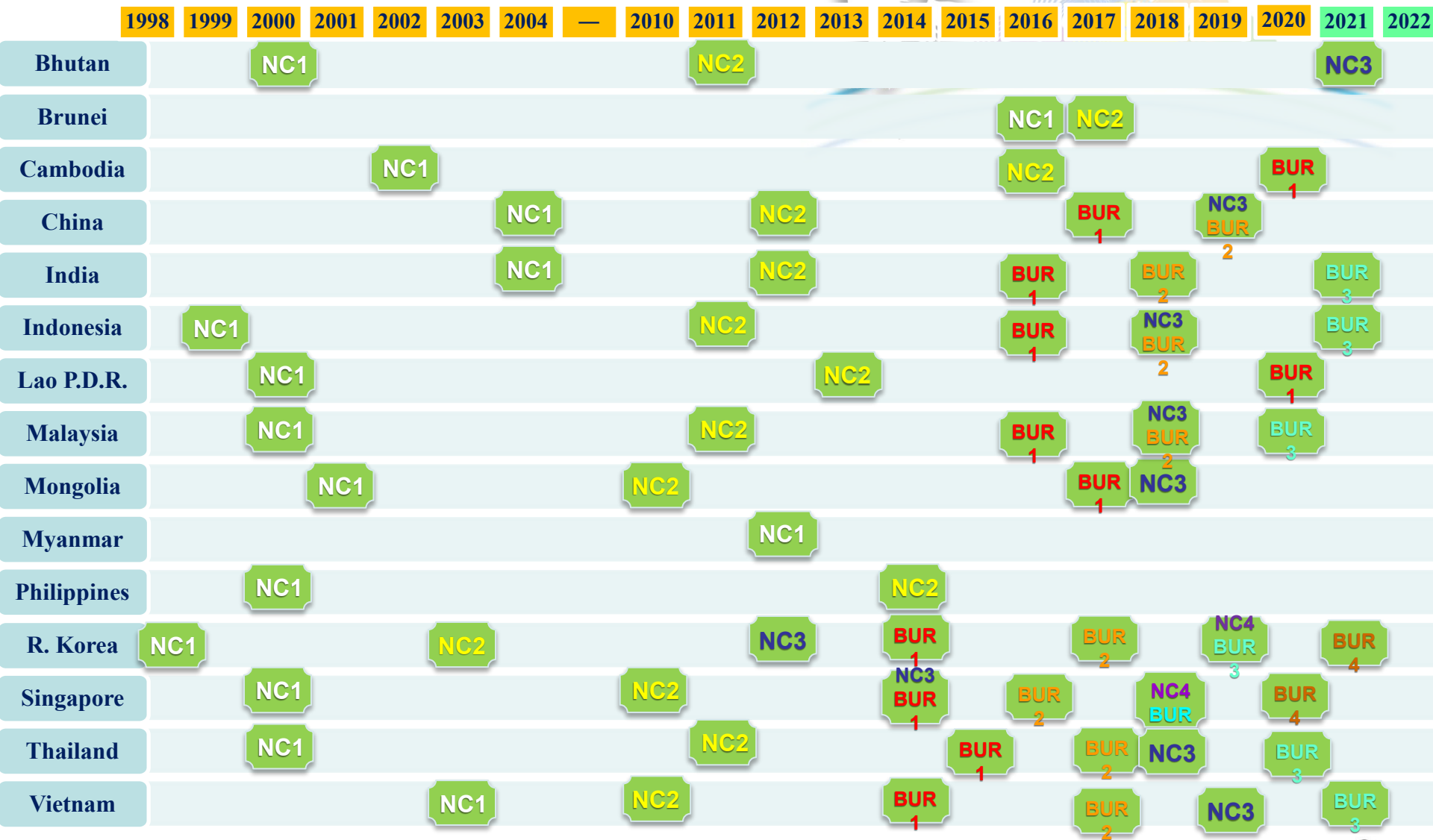
- Secretariat WGIA19** Exhibitor
GIO Secretariat -

Question for this poster

NC&BUR submission status in Asian countries

Submitted

Based on information from UNFCCC web site



NC: National Communication BUR: Biennial Update Report

Expected outcomes



- Enhancement of the quality of GHG inventories for NCs and BURs and in future BTRs
 - Enhancement of understanding of the new Common Reporting Tables (CRT) format, National Inventory Documents (NID) outlines, and tools to support the development of national inventories
 - Strengthening of the participants' understanding of the cross-cutting guidance for reporting under the Paris Agreement
- Accurate GHG inventories in NCs, BURs, and BTRs will contribute to future planning and assessment of the progress towards emission reduction targets under the Paris Agreement.



Thank you

If you have any trouble joining the meeting, please contact the secretariat of WGIA19 at ic-2@his-world.com

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

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