



# Introduction to WGIA20

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The 20<sup>th</sup> Workshop on Greenhouse Gas Inventories in Asia

27<sup>th</sup> June, 2023

# Workshop on Greenhouse Gas Inventories in Asia (WGIA)



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

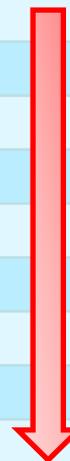
## Outcomes

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



# WGIA History

WGIA1:	Phuket, Thailand, 13-14 November 2003	Starting with 11 countries Identified problems and needs of support
WGIA2:	Shanghai, China, 7-8 February 2005	Shared information and experiences gained through inventory development
WGIA3:	Manila, Philippines, 23-24 February 2006	<b>Malaysia</b> became a member country Discussed technical matters on each sector inventory
WGIA4:	Jakarta, Indonesia, 14-15 February 2007	<b>Singapore</b> and <b>Myanmar</b> became member countries Organized working groups and discussed sector specific issues
WGIA5:	Kuala Lumpur, Malaysia, 6-8 September 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	"Mutual Learning" was newly started
WGIA10:	Hanoi, Viet Nam, 10-12 July 2012	Shared information and experiences / Conduct <b>Mutual Learning</b>
WGIA11:	Tsukuba, Japan, 5-7 July 2013	
WGIA12:	Bangkok, Thailand, 4-6 August 2014	
WGIA13:	Bali, Indonesia, 4-6 August 2015	<b>Brunei</b> became a member country
WGIA14:	Ulaanbaatar, Mongolia, 26-28 July 2016	<b>Poster session (Sharing information on specific issues)</b>
WGIA15:	Nay Pyi Taw, Myanmar, 11-13 July 2017	
WGIA16:	New Delhi, India, 10-13 July 2018	
WGIA17:	Singapore, 30 July - 2 August 2019	<b>Bhutan</b> became 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
WGIA19:	On-line, 7 – 13 July 2022	Mutual Learning and Plenary Session



# Achievements of WGIA

## Dissemination

- Website
- Proceedings

The image shows a screenshot of the WGIA website on the left and the cover of the 'Proceedings of the 12th Workshop on Greenhouse Gas Inventories in Asia (WGIA12)' on the right. The website screenshot includes the header 'WGIA TOP | Greenhouse Gas Inventory Office', navigation links like 'About', 'Research', and 'Social Contributions / External', and a main section titled 'Workshop on Greenhouse Gas Inventories'. Below this, there is a paragraph about the workshop's purpose and a list of links for 'Mutual Learning Session 2020', 'Brief Report of ML2020', and 'Workshop Report [PDF: 1.10MB]'. A search bar is visible at the bottom of the website. The cover of the proceedings is blue and white, featuring the title, subtitle '- Capacity building for measurability, reportability and verifiability -', dates '4-6 August 2014, Bangkok, Thailand', and logos for the Greenhouse Gas Inventory Office of Japan (GIO), CGER, NIES, and the National Institute for Environmental Studies, Japan.

## Strengthened a network of regional experts

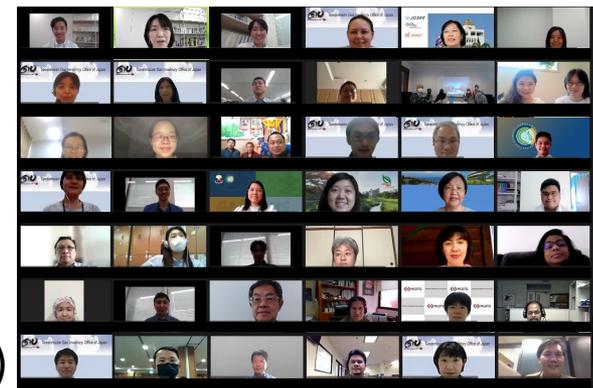


WGIA1 in Thailand (2003)



WGIA17 in Singapore (2019)

WGIA19 on-line (2022)



# Welcome to WGIA20!

Participants from ...

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

# Workshop flow

## Day 1: 26<sup>th</sup> June, Monday

- Mutual Learning, IPPU, LULUCF, and Waste (Closed Session)

## Day 2: 27<sup>th</sup> June, Tuesday

- Opening Session
- Session I: Updates on the GHG Inventory of National Communications (NCs) and Biennial Update Reports (BURs) from non-Annex I Parties
- Session II: Changes in Reporting Under the Paris Agreement
- Session III: Planning for the First GHG Inventory Under the Paris Agreement (Break out groups)

## Day 3: 28<sup>th</sup> June, Wednesday

- Session IV: Methodology for the Energy Sector
- Poster Session
- Closing Session
- Joint Meeting of the WGIA Organizing Committee (OC) and Advisory Board (AB) (Closed Session)

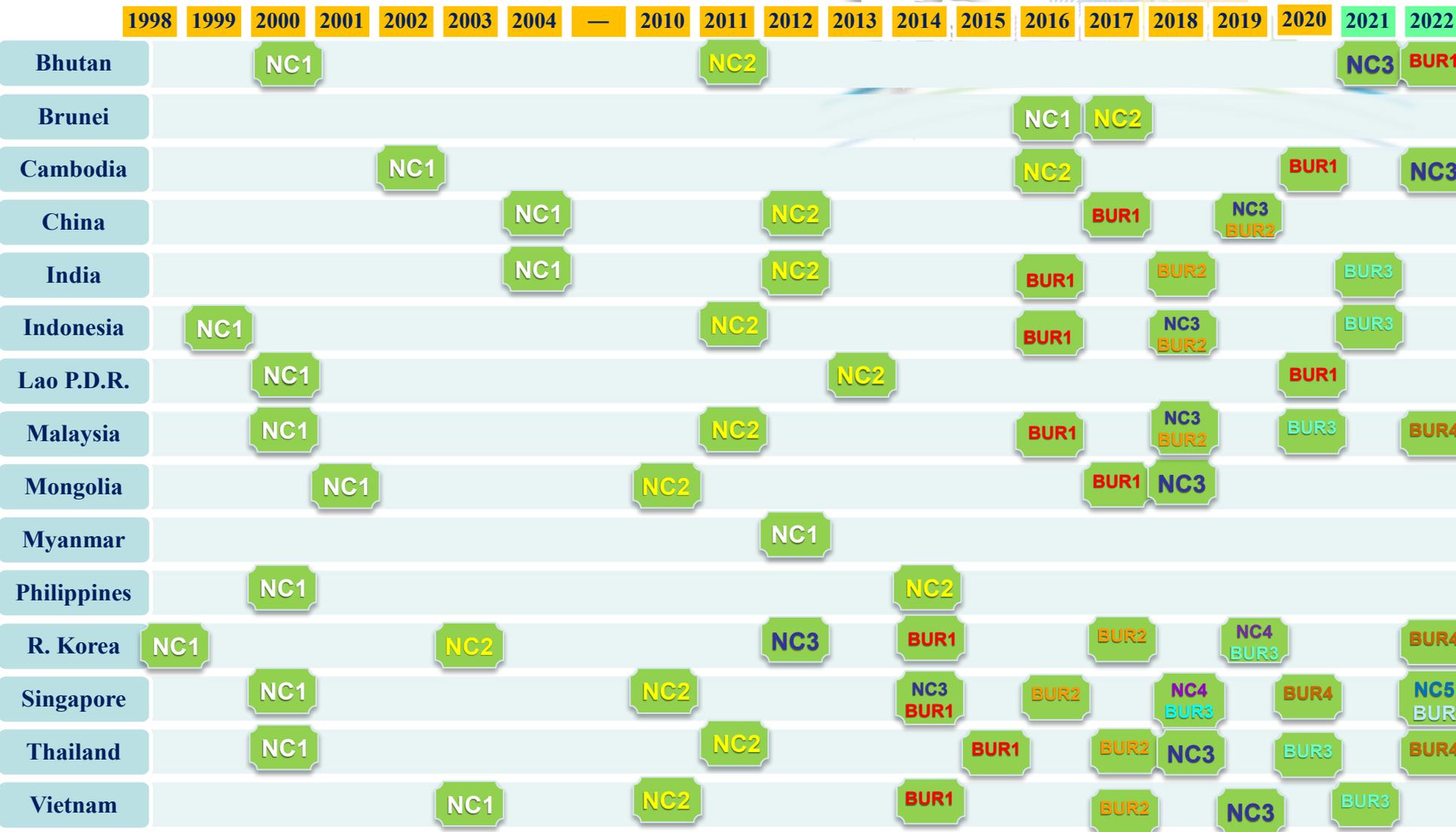
## Study Tour: 29<sup>th</sup> June, Thursday

- Visit to Japan CCS CO., Ltd

# NC&BUR submission status in Asian countries

Submitted

Based on information from UNFCCC web site



NC: National Communication BUR: Biennial Update Report

# Expected outcomes



- Building on experiences gained in NC/BUR reporting to enhance the quality of GHG inventories for first BTR of Paris Agreement (PA)
  - Enhancement of understanding of the new Common Reporting Tables (CRT) format, and National Inventory Documents (NID) outlines
  - Recognizing the importance of scheduling for submitting the PA inventory in a timely manner and obtaining insights from others to improve scheduling
  - Strengthening of the participants' understanding of the methodology of energy sector, including the reporting of carbon capture and storage (CCS)
- 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.

# Presentation files



<https://fxs.nies.go.jp>



User ID : wgia20\_2023



Password : XSG8wvPK

Expire date : 7 July 2023

# Thank you

GIO website:

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

WGIA website:

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

