



# Overview of WGIA16

**Hiroshi ITO**

Greenhouse Gas Inventory Office of Japan (GIO)  
Center for Global Environmental Research (CGER)  
National Institute for Environmental Studies (NIES)

The 16<sup>th</sup> Workshop on Greenhouse Gas Inventories in Asia

New Delhi, India

11<sup>th</sup> July, 2018

# WGIA - Capacity Building for Measurability, Reportability and Verifiability -



<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>Participating countries:</b>	Brunei, Cambodia, China, India, Indonesia, Japan, Republic of Korea, Lao P.D.R., Malaysia, Mongolia, Myanmar, Philippines, Singapore, Thailand, Vietnam (15 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



- 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 cost-effective options.
  
- Inventories are essential to monitoring of impacts of mitigation policies and measures.
  - Policy makers need to know if policies are working.
  - Inventory methods should be chosen to reflect impacts of mitigation actions.

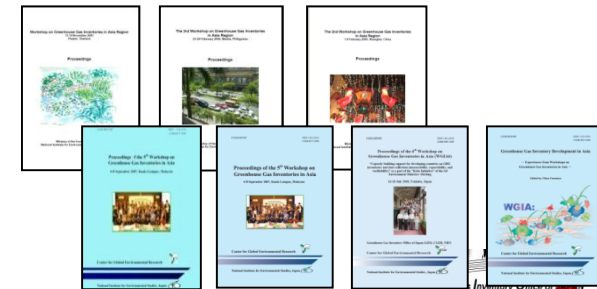
# What do we do to improve our inventories?



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

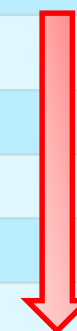
## Outcomes

- Development of a network for inventory experts
- Presentations made by the participants in the workshop are available on URL: <http://www-gio.nies.go.jp/wgia/wgiaindex-e.html>
- Workshop proceeding 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	<b>Malaysia</b> becomes member countries Discussed technical matters on each sector inventory
WGIA4:	Jakarta, Indonesia, 14-15 Feb. 2007	<b>Singapore</b> and <b>Myanmar</b> 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 <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 the specific issues)</b>
WGIA15:	Nay Pyi Taw, Myanmar, 11-13 July 2017	



# Achievements of WGIA

Strengthened a network of regional experts

- Over 700 people on the list



WGIA1 in Thailand (2003)



WGIA15 in Myanmar (2017)

## Dissemination

- Website
- Proceedings

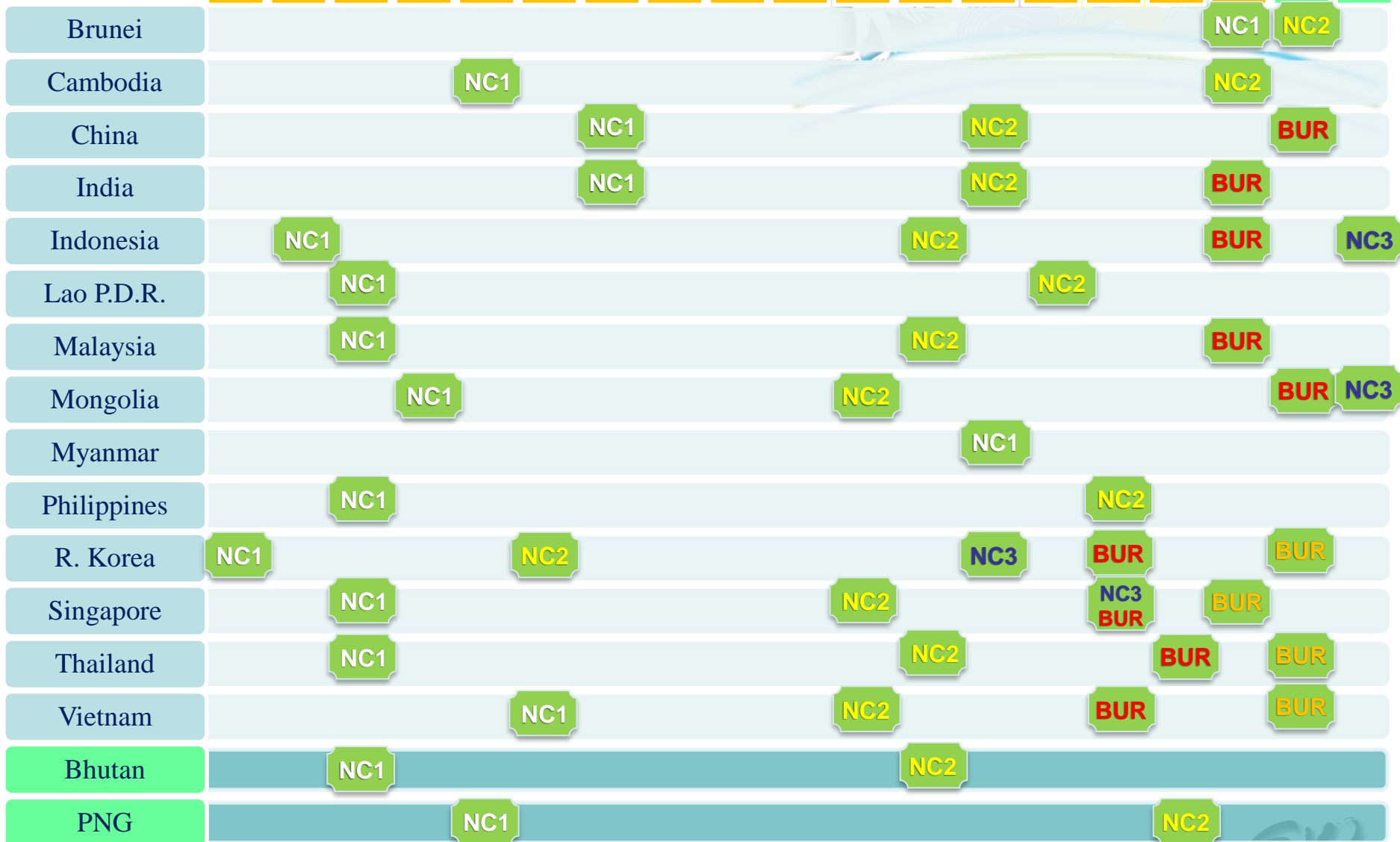
This block contains two main visual elements. On the left is a screenshot of the Greenhouse Gas Inventory Office of Japan (GIO) website. The browser address bar shows "www-gio.nies.go.jp/wgia/wgiaindex-e.html". The website header features the GIO logo and the text "Greenhouse Gas Inventory Office of Japan" and "温室効果ガスインベントリオフィス". A navigation menu on the left includes links for "TOP", "About GHG Inventories WGIA", "Activity History", "FAQ", "Library", "Links", and "Glossary". The main content area is titled "WGIA Workshop on Greenhouse Gas Inventories in Asia" and contains introductory text about the workshop's purpose. Below this, there are sections for "The 11th WGIA" (July 2013, Tsukuba), "The 10th WGIA" (July 2012, Hanoi, Vietnam), "The 9th WGIA" (July 2011, Phnom Penh, Cambodia), and "The 8th WGIA" (July 2010, Vientiane, Lao P.D.R.). Each section lists an agenda, executive summary, and workshop proceedings with PDF links. On the right is a sample of the workshop proceedings cover page for WGIA12. The cover is light blue and features the title "Proceedings of the 12th Workshop on Greenhouse Gas Inventories in Asia (WGIA12)" and the subtitle "Capacity building for measurability, reportability and verifiability - 4-6 August 2014, Bangkok, Thailand". It includes a group photo of participants and logos for the Greenhouse Gas Inventory Office of Japan (GIO), CGER, NIES, and the Center for Global Environmental Research.

# NC&BUR submission status in Asian countries

Submitted

Based on information from UNFCCC web site

1998 1999 2000 2001 2002 2003 2004 2005 — 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018



NC: National Communication BUR: Biennial Update Report

# Welcome to WGIA16!

Over **100** participants from ...

## 15 Participating Countries in Asia:

Government officials, researchers, compilers from:  
Brunei, Cambodia, China, India, Indonesia, Japan, Republic of Korea, Lao P.D.R., Malaysia, Mongolia, Myanmar, Philippines, Singapore, Thailand, and Vietnam.

## Japan's Organizations:

- Ministry of the Environment (MOE),
  - National Institute for Environmental Studies (NIES),
  - Institute for Global Environmental Strategies (IGES),
  - Forestry Agency,
  - National Institute for Polar Research (NIPR),
- and so on...

## International Organizations & observers:

- IPCC Task Force on National GHG Inventories,
  - Australia,
  - Bhutan,
  - Papua New Guinea,
  - World Resources Institute,
- and so on...



# Workshop flow



## Day 1: 10<sup>th</sup> July, Tuesday

- Mutual Learning (Closed Session)
- Hands-on Training on Using the IPCC Inventory Software (IPCC TFI)

## Day 2: 11<sup>th</sup> July, Wednesday

- Opening Session
- **Session I:** Updates on the National Communications (NCs) and Biennial Update Reports (BURs) from non-Annex I Parties
- **Session II:** Fluorinated Gas Emissions from non-Annex I Parties
- **Session III:** Data Collection and Archiving

## Day 3: 12<sup>th</sup> July, Thursday

- **Session IV:** GHG Inventories, Projections, and Related Activities
- Poster session
- Wrap-up Session
- Joint Meeting of the WGIA Organizing Committee (OC) and Advisory Board (AB) (Closed Session)

## Study Tour: 13<sup>th</sup> July, Friday

- Site visit to International Solar Alliance and National Institute of Solar Energy

# Expected outcomes



- Capacity building of GHG inventory preparation of Asian countries
  - Enhancement of quality of GHG inventories for NCs and BURs submission
  - Improved understanding of Fluorinated gases emissions from non-Annex I Parties
  - Improved transparency of data collection and archiving
  - Enhancement of understanding of the importance of GHG inventories, through the discussion of relationship among GHG inventories, projections and so on.
- Accurate inventory of NCs and BURs will contribute to planning and assessment of progress on emission reduction target in NDCs.



# Thank you

Slide download from: <https://fxs.nies.go.jp/>

*ID: wgia16*

*Password: India2018*

GIO website: <http://www-gio.nies.go.jp/index.html>

WGIA website: <http://www-gio.nies.go.jp/wgia/wgiaindex-e.html>