



Overview of WGIA17

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The 17th Workshop on Greenhouse Gas Inventories in Asia

Singapore

31st July, 2019

WGIA - Capacity Building for Measurability, Reportability and Verifiability -



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:	Brunei, Cambodia, China, India, Indonesia, Japan, Republic of Korea, Lao P.D.R., Malaysia, Mongolia, Myanmar, Philippines, Singapore, Thailand, Vietnam (15 countries)
Participants:	Government officials, researchers and compilers
Style:	Annual workshop since 2003
Funds:	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.

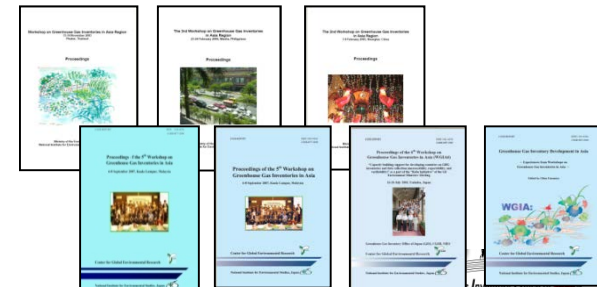
- Inventories are essential to monitoring of impacts of mitigation policies and measures.
 - Policy makers need to know if policies are working.
 - Inventory methods should be chosen to reflect impacts of mitigation actions.

What do we do to improve our inventories in WGIA?

- 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	Malaysia becomes member countries 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 became a member country
WGIA14:	Ulaanbaatar, Mongolia, 26-28 July 2016	Poster session (Sharing the specific issues)
WGIA15:	Nay Pyi Taw, Myanmar, 11-13 July 2017	
WGIA16:	New Delhi, India, 10-13 July 2018	



Achievements of WGIA

Strengthened a network of regional experts

- Over 700 people on the list



WGIA1 in Thailand (2003)



WGIA16 in India (2018)

Dissemination

- Website
- Proceedings

The image shows a screenshot of the Greenhouse Gas Inventory Office of Japan (GIO) website. The website header includes the GIO logo and the text "Greenhouse Gas Inventory Office of Japan (GIO), CGER, NIES". The main content area features a "WGIA Workshop on Greenhouse Gas Inventories in Asia" section, which provides information about the workshop's purpose and lists past workshops. The list includes:

- The 11th WGIA: 5-7 July 2013, Tsukuba, Japan
- The 10th WGIA: 10-12 July 2012, Hanoi, Vietnam
- The 9th WGIA: 13-15 July 2011, Phnom Penh, Cambodia
- The 8th WGIA: 13-16 July 2010, Vientiane, Lao P.D.R.

Each entry includes links to the agenda, executive summary, and workshop proceedings. To the right of the website screenshot is a sample of the workshop proceedings cover page for WGIA12, titled "Proceedings of the 12th Workshop on Greenhouse Gas Inventories in Asia (WGIA12)". The cover page includes the ISSN number (1341-4356), the date (4-6 August 2014, Bangkok, Thailand), and the logos of the Greenhouse Gas Inventory Office of Japan (GIO), CGER, NIES, and the Center for Global Environmental Research (CGER).

Welcome to WGIA17!

About **90** 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),
 - The Institute of Energy Economics, Japan (IEEJ),
- and so on...

International Organizations & observers:

- United Nations Framework Convention on Climate Change
 - IPCC Task Force on National GHG Inventories,
 - Food and Agriculture Organization of the United Nations
 - Bhutan,
 - Algeria,
 - United States of Environmental Protection Agency,
- and so on...

Workshop flow



Day 1: 30th July, Tuesday

- Mutual Learning (Closed Session)

Day 2: 31th July, Wednesday

- Opening Session
- **Session I:** Updates on the National Communications (NCs) and Biennial Update Reports (BURs) from non-Annex I Parties
- **Session II:** Introduction to the 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories
- **Session III:** Fluorinated Gas Emissions from non-Annex I Parties

Day 3: 1st August, Thursday

- **Session IV:** National GHG Inventory Data and Systems for the Transparency Framework Under the Paris Agreement
- Poster session
- Wrap-up Session
- Joint Meeting of the WGIA Organizing Committee (OC) and Advisory Board (AB) (Closed Session)

Study Tour: 2nd August, Friday

- Site visit to Semakau Landfill

Expected outcomes



- Capacity building of GHG inventory preparation of Asian countries
 - Enhancement of quality of GHG inventories for NCs and BURs and future BTR submission
 - Enhancement of understanding of 2019 Refinement to the 2006 IPCC Guidelines for National Greenhouse Gas Inventories
 - Enhancement of understanding of Fluorinated gases emissions estimation
 - Improved national GHG inventory data and enhanced the Transparency Framework under the Paris Agreement
- Accurate inventory of NCs and BURs and future BTRs will contribute to planning and assessment of progress on emission reduction target in the Paris Agreement.



Thank you

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

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