Outcomes

- Establishment of a WGIA network platform to exchange information on climate change, mitigation measures and GHG inventories.
- Identification of common issues and exploring possible solutions.
- Sharing of information on each country's activities and experiences.
- Sharing of updated information on member countries' status of inventory development and improvement.
- Improvement of inventories through exchanging information on methodologies and institutional arrangements, such as applying advanced estimation methods and conducting key category analysis, uncertainty assessment and quality assurance/quality control (QA/QC).
- Improvement of inventories by learning from another country's inventory through mutual learning.

We intend to:

- hold WGIA annually in principle, and continually contribute to capacity building in GHG inventory preparation.
- strengthen the network for improving GHG inventories of countries in Asia through WGIA.
- enhance collaboration with other projects related to climate change.

Organizers of WGIA:

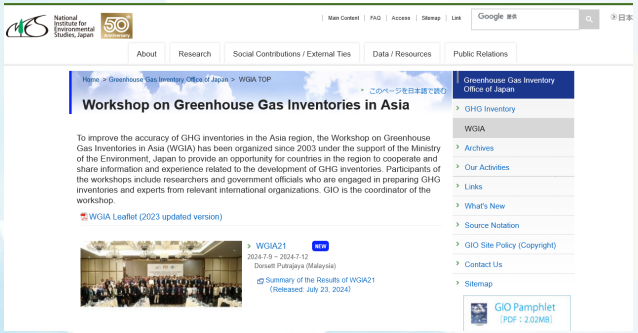
Ministry of the Environment, Japan
National Institute for Environmental Studies

Contact:

Greenhouse Gas Inventory Office of Japan (GIO)
Center for Global Environmental Research, Earth System Division, National Institute for Environmental Studies
16-2 Onogawa, Tsukuba, Ibaraki, 305-8506 Japan
Tel: +81-29-850-2777
Email: www-gio@nies.go.jp

Website of WGIA:

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



GIO is the main component of the "National system" for Japan's national GHG inventory

GIO was established in July 2002 in the Center for Global Environmental Research, the National Institute for Environmental Studies, Japan. GIO's missions are to annually compile the national GHG inventory; to implement various GHG inventory-related tasks and activities, such as providing support and assistance for the review of the national GHG inventory of Japan and other Parties for the UNFCCC and the Paris Agreement and to contribute to the capacity building of Asian countries in developing and improving their GHG inventories.

WGIA

Workshop on Greenhouse Gas Inventories in Asia

WGIA is a workshop to assist countries in Asia to improve the quality of their greenhouse gas inventories and build capacity for inventory preparation by promoting the exchange of information and experiences obtained in the region.

As of September 2026

Background and Objective

Under the United Nations Framework Convention on Climate Change (UNFCCC) and the Paris Agreement, all parties are required to develop and report their national inventories of greenhouse gases (GHG). These GHG inventories are extremely important as they provide information on trends in GHG emissions and removals, which allows policy makers to adopt measures to reduce emissions and increase removals more effectively and reliably.

WGIA aims at assisting countries in Asia to improve the quality of their greenhouse gas inventories and build capacity for the inventory preparation by promoting the exchange of information and experiences obtained in the region.

This workshop has been organized on an annual basis since 2003 by the Ministry of the Environment, Japan and the National Institute for Environmental Studies.

WGIA23 was held in Bandar Seri Begawan, Brunei in August 2026. Approximately 120 experts and government officials, including online participants, attended the workshop.

Sessions

The following sessions are held at the workshops;

Plenary Sessions: Exchanging information on inventory-related issues, reporting member countries' progress made in the latest BTR including national GHG inventory, and holding discussions on the TER of BTRs, etc.

***Breakout Groups*:** Discussing sector-specific issues etc. and possible ways to solve them.

Mutual Learning: Improving inventories by learning from other countries' inventories, including data, through exchanging questions and comments.

Hands-on-training: Performing calculation using the IPCC Inventory Software for some categories, etc.

WGIA Member countries

Bhutan, Brunei, Cambodia, China, India, Indonesia, Japan, the Republic of Korea, Lao PDR, Malaysia, Mongolia, Myanmar, Philippines, Singapore, Thailand, and Vietnam

Previous WGIAs

	Year	Country
WGIA1	Nov. 2003	Phuket, Thailand
WGIA2	Feb. 2005	Shanghai, China
WGIA3	Feb. 2006	Manila, Philippines
WGIA4	Feb. 2007	Jakarta, Indonesia
WGIA5	Sept. 2007	Kuala Lumpur, Malaysia
WGIA6	July 2008	Tsukuba, Japan
WGIA7	July 2009	Seoul, Republic of Korea
WGIA8	July 2010	Vientiane, Lao P.D.R.
WGIA9	July 2011	Phnom Penh, Cambodia
WGIA10	July 2012	Hanoi, Vietnam
WGIA11	July 2013	Tsukuba, Japan
WGIA12	Aug. 2014	Bangkok, Thailand
WGIA13	Aug. 2015	Bali, Indonesia
WGIA14	July 2016	Ulaanbaatar, Mongolia
WGIA15	July 2017	Nay Pyi Taw, Myanmar
WGIA16	July 2018	New Delhi, India
WGIA17	July 2019	Singapore
ML2020	July 2020	Online
WGIA18	July 2021	Online
WGIA19	July 2022	Online
WGIA20	June 2023	Tomakomai, Japan
WGIA21	July 2024	Putrajaya, Malaysia
WGIA22	July 2025	Phnom Penh, Cambodia
WGIA23	Aug. 2026	Bandar Seri Begawan, Brunei