



United Nations
Climate Change

Session 1

Japan's National GHG Inventory: Institutional Arrangements

Ministry of the Environment, Japan

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Institutional Arrangements – Main Institutions

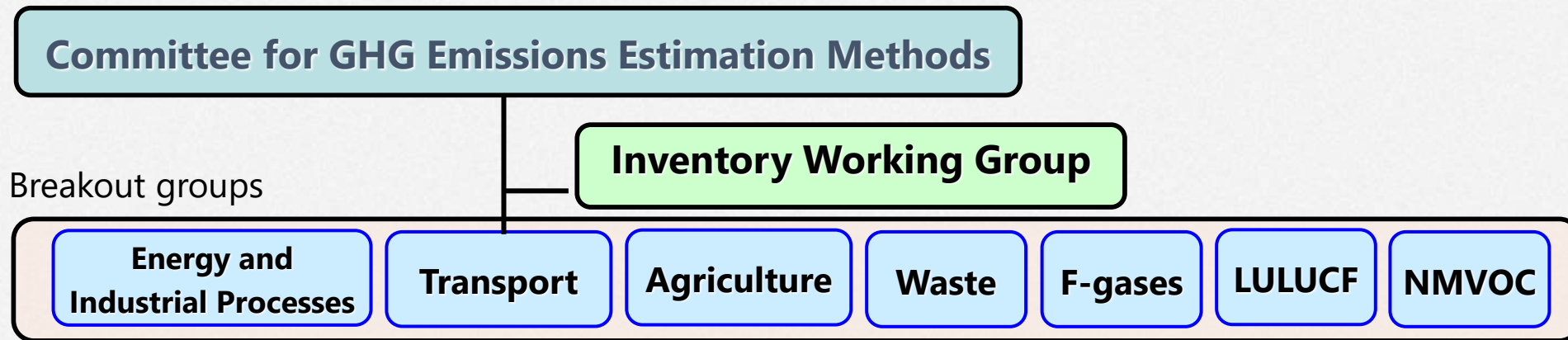
Ministry of the Environment (MOE)	<ul style="list-style-type: none"> • <u>The single national agency responsible for preparing Japan's inventory</u> • Responsible for editing and submitting the inventory • Coordinates the QA/QC activities for the inventory • Checks and approves the QA/QC plan • Checks and approves the inventory improvement plan
Greenhouse Gas Inventory Office of Japan (GIO)	<ul style="list-style-type: none"> • Performs the <u>actual work of inventory compilation, etc</u> • Responsible for inventory calculations, editing, and the archiving and management of all data • Prepares the revised draft of the QA/QC plan • Prepares the draft of the inventory improvement plan
Relevant Ministries	<ul style="list-style-type: none"> • Preparation and provision of data required for the preparation of the inventory • Confirmation of data and the inventory (CRF, NIR, JNGI files, and other information) prepared by the GIO (Category-specific QC)
Related Organizations (e.g., industrial associations)	<ul style="list-style-type: none"> • Preparation and provision of data such as activity data and emission factors required for the preparation of the inventory • Confirmation of data provided for the preparation of the inventory
Private Consulting Companies	<ul style="list-style-type: none"> • Quality control (QC) of inventory (CRF, NIR, JNGI files) compiled by the Ministry of the Environment and the GIO



Institutional Arrangements – Other Institutions

(1) Committee for GHG Emissions Estimation Methods

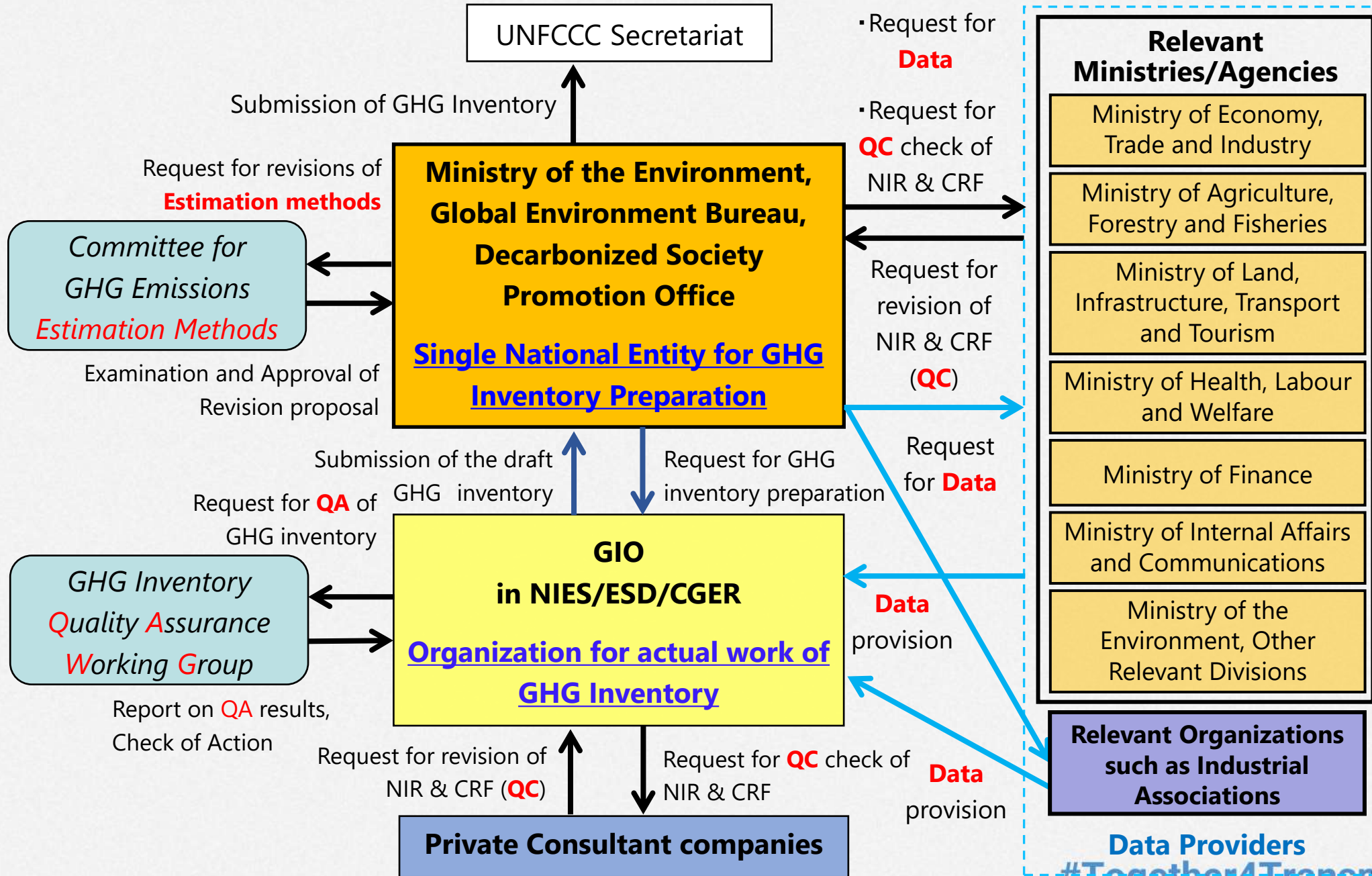
- Considers the methods for calculating inventory emissions and removals, and the selection of parameters such as activity data and emission factors
- The inventory WG and breakout groups comprise over 60 experts in various fields such as research institutes, universities, and industry organizations, and consider suggestions for inventory improvements



(2) GHG Inventory Quality Assurance Working Group (QAWG)

- The role is to assure inventory quality and to identify parts that need improvement by conducting detailed reviews of each emission source and sink in the inventory.
- QAWG comprises experts who are NOT directly involved in inventory compilation.







Experiences

Institutional arrangements make inventory calculation reliable:

- Data availability:
 - There are variety of publicly available data including statistics in Japan, while when there is no public data, relevant ministries or relevant organizations help MOE to collect data.
 - Abundance of data allows more complete and accurate calculation and reporting.
- Experts committee:
 - Experts on Committee for GHG Emissions Estimation Methods allow MOE to reflect latest scientific findings.
 - Robust calculation method proposed by experts are implemented.
 - Improvement proposal made at QA process are reviewed and implemented.
- Developed institutional arrangements gradually:
 - Started in late 1990s with limited number of people and related organizations
 - Expert committee started on ad-hoc basis.

Please also note that **Japan's calculation method developed with the Committee for GHG Emissions Estimation Methods is shared at support workshops provided Japan.**



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Thank you.

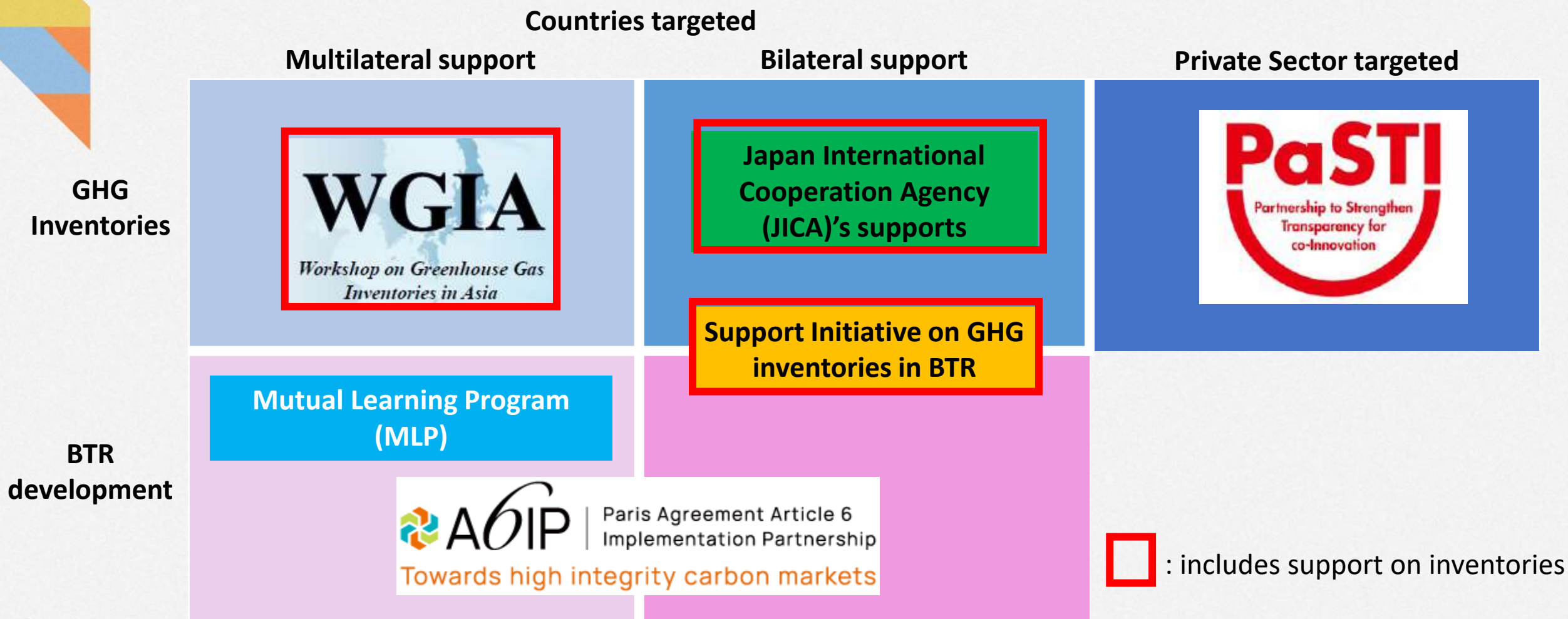
Global Environment | Ministry of the Environment, Government of Japan

Japan's Inventory <https://www.nies.go.jp/gio/en/aboutghg/index.html>

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Mapping of supports provided by Japan



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Overview of supports provided by Japan

- **Workshop on Greenhouse Gas Inventories in Asia (WGIA)**
 - ◆ Workshop to assist countries in Asia in improving the quality of their greenhouse gas inventories and building capacity for inventory preparation
 - ◆ <https://www.nies.go.jp/gio/en/wgia/index.html>
- **Mutual Learning Program (MLP)**
 - ◆ Peer-to-peer learning activity to improve and deepen the understanding of the preparation of future biennial transparency reports (BTRs)
 - ◆ <https://www.iges.or.jp/en/projects/transparency>
- **Support initiative on GHG inventories in BTR**
 - ◆ Support for developing countries to strengthen their reporting capacities for the preparation of GHG inventories, including strengthening institutional arrangements, developing methodologies, etc.
- **Promote the implementation of the Paris Agreement**
 - ◆ Japan International Cooperation Agency (JICA) supports central and local governments by strengthening their technical capacity to develop and/or update, implement and monitor their climate change policies and strategies, and to prepare BTRs.
 - ◆ <https://www.jica.go.jp/english/activities/issues/climate/index.html>

