

Capacity Building Initiative for Transparency - Global Support Programme (CBIT-GSP): Asia Region

International Examples of National Inventory Management System





NIMS - USA

United States Greenhouse Gas Inventory Institutional Arrangements

1. Data Collection

Energy Data Sources

Agriculture and LULUCF Data Sources

Industrial Processes and Product Use Data Sources

Waste Data Sources

2. Emissions Calculations

U.S. Environmental Protection Agency

Other U.S.

Government Agencies

(USFS, NOAA,
DOD, USGS, FAA)

3. Inventory Compilation

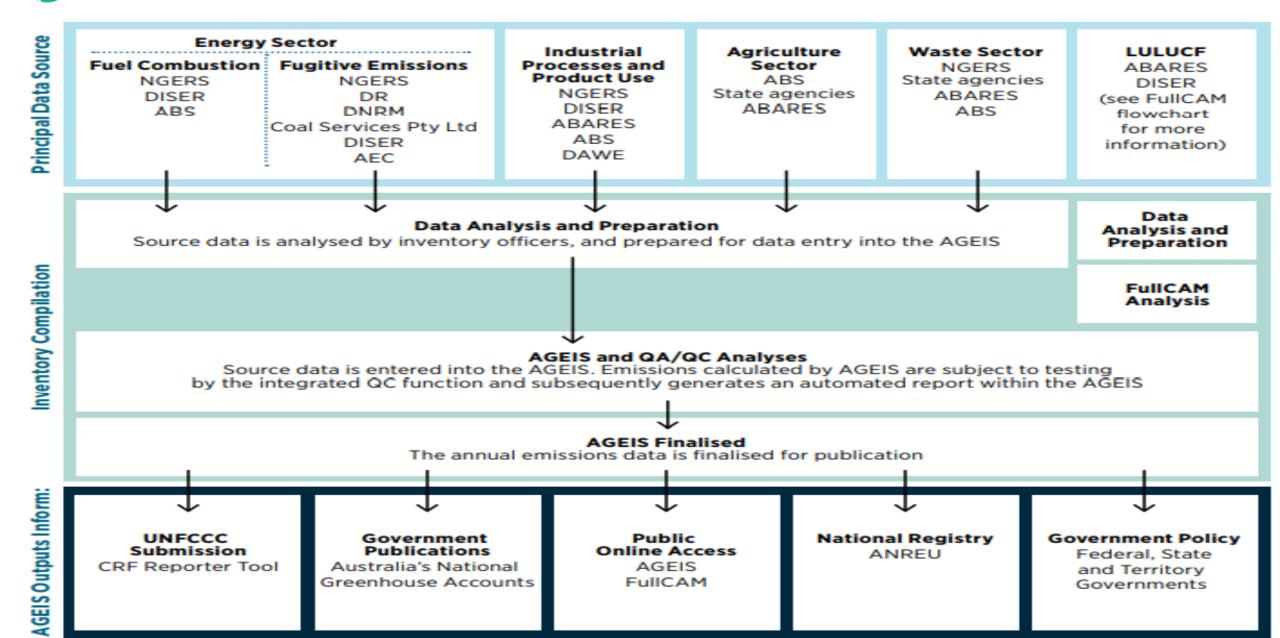
U.S. Environmental Protection Agency Inventory Compiler 4. Inventory Submission

U.S. Department of State

U.S. Environmental Protection Agency

United Nations Framework Convention on Climate Change

NIMS - Australia



NMS

Statistical **Datasets**

Official Datasets

- Energy Fuel & Statistics - BEIS
- Pollution Inventory
 - Environment Agency
- Transport Statistics - DfT
- Emission Factors -IPPC Guidelines
- Food and Farming Statistics - Defra

Unofficial Datasets

- Industry & NGOs -UKPIA, UK Oil and Gas, Other trade associations. individual companies
- Emission Factors -Guidebooks & Literature

National Inventory Steering Committee

(Pre-submission review; management of improvement research)

BEIS, CEH, Forest Research, and Ricardo Energy & Environment (KP-LULUCF and LULUCF inventory)

BEIS contracts

- 1. Ricardo Energy & Environment (Energy, IPPU, LULUCF, Waste inventories)
- 2. Various contractors (Inventory improvement research)

Ricardo (Consortium) progress Inventory Compilation & QA/QC

Data Gathering Checking Interpretation Calculation

UK Emission Inventory Database EU Monitoring Mechanism 15 January 15 March

UNFCCC 15 April

Defra contract

Rothamsted Research (Agriculture inventory)





DSA Development

5



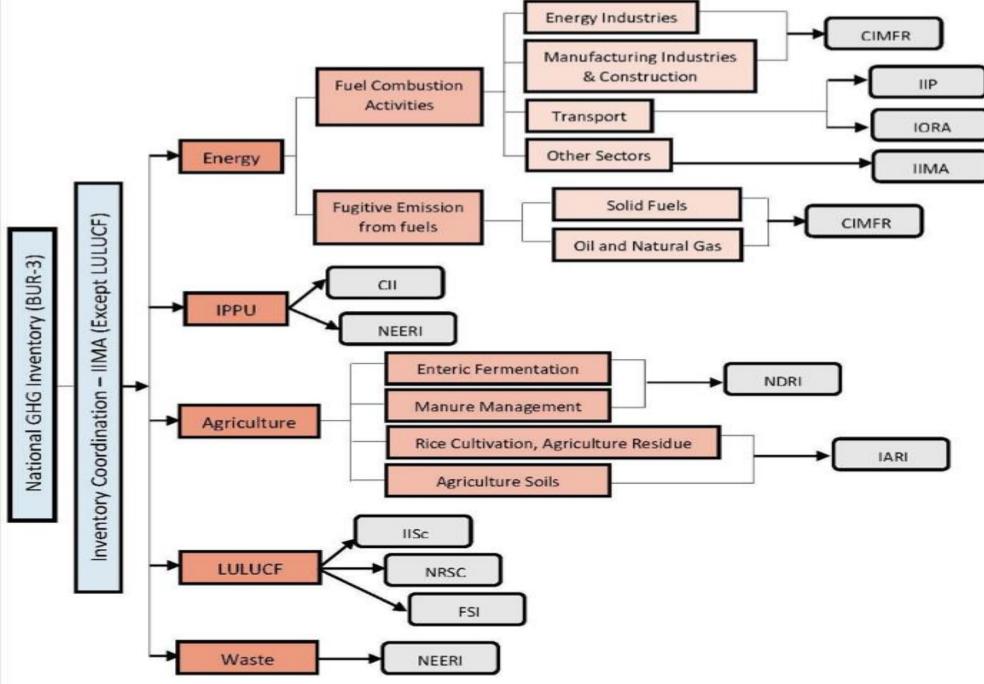


CRF

NIR



India National GHG





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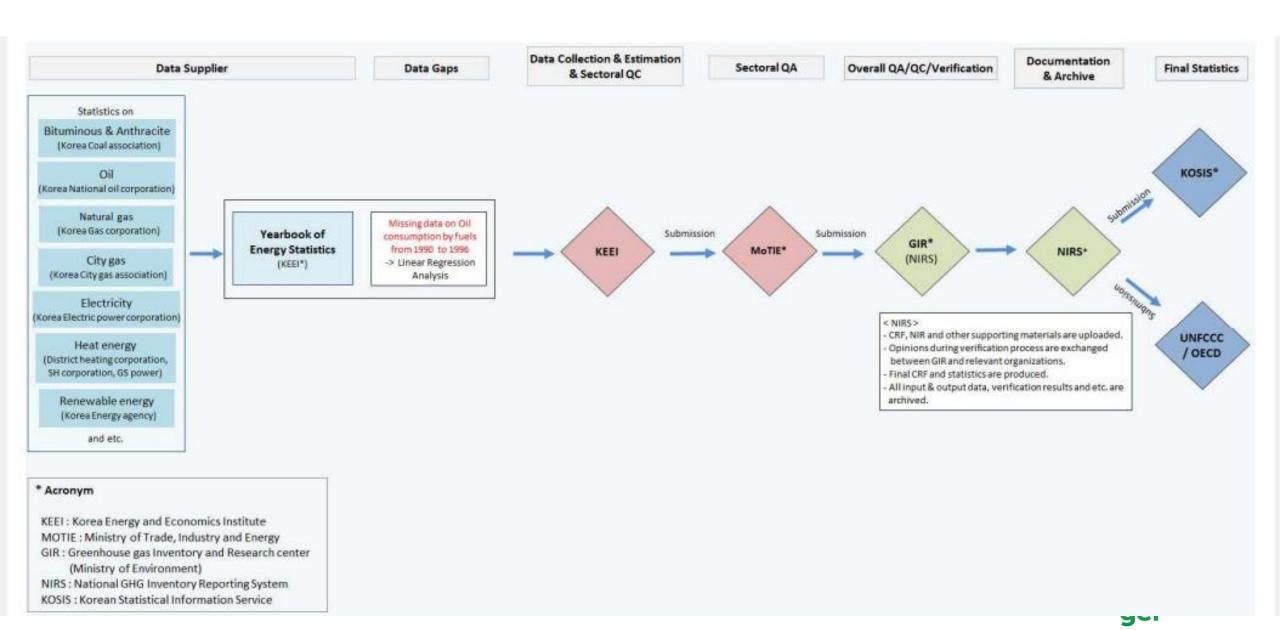
NIMS - JAPAN

UNFCCC Secretariat Submission of GHG Inventory Ministry of Foreign Affairs Relevant Ministries/ Agencies Submission of GHG Inventory Ministry of Economy, Trade Request for Data and Industry Request of QC Request for revision of check of CIR and Agency for Natural estimation methods Ministry of the Environment NRF Resources and Energy Global Environment Bureau Committee for Ministry of Agriculture, Low-carbon Society Promotion Office Forestry and Fisheries Greenhouse Gas Emissions Ministry of Land, Request for revision Estimation Methods Infrastructure, Transport of CIR and NRF <National Single Entity for GHG Inventory Preparation> Forestry Agency Examination and Approval Data Ministry of Health, Labour Request of Revision Proposal and Welfare Ministry of Finance Request for inventory Submission of the draft of Fire and Disaster preparation **GHG Inventory** Management Agency Ministry of Environment, National Institute for Request for Other Relevant Division **Environmental Studies** QA of GHG Data (NIES) Inventory **GHG Inventory** provision Centre for Global Environmental Quality Assurance Research (CGER) Working Group Greenhouse Gas Inventory Relevant Organization Office of Japan (GIO) <Organization for actual work of Report of Data QA results GHG Inventory> provision Request for revision Request for QC check of CIR and NRF of CRF and NIR Private Consultant Companies



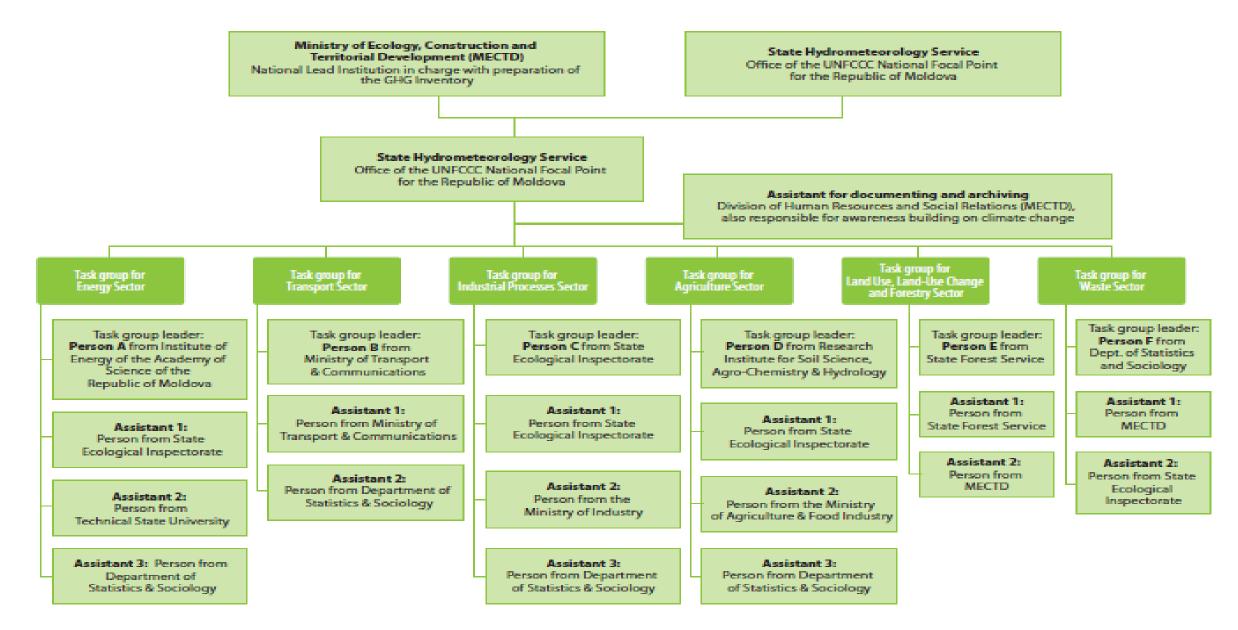


CBIT-GSP South Korea MRV Process for Energy Sector





NIMS – Republic of Moldova









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Thank you for your attention

Please reach out to us for any question, comments or suggestions!



Asia Network Coordinator



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