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

International Examples of National Inventory Management System

27 August 2023

CBIT-GSP CLIMATE TRANSPARENCY

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)
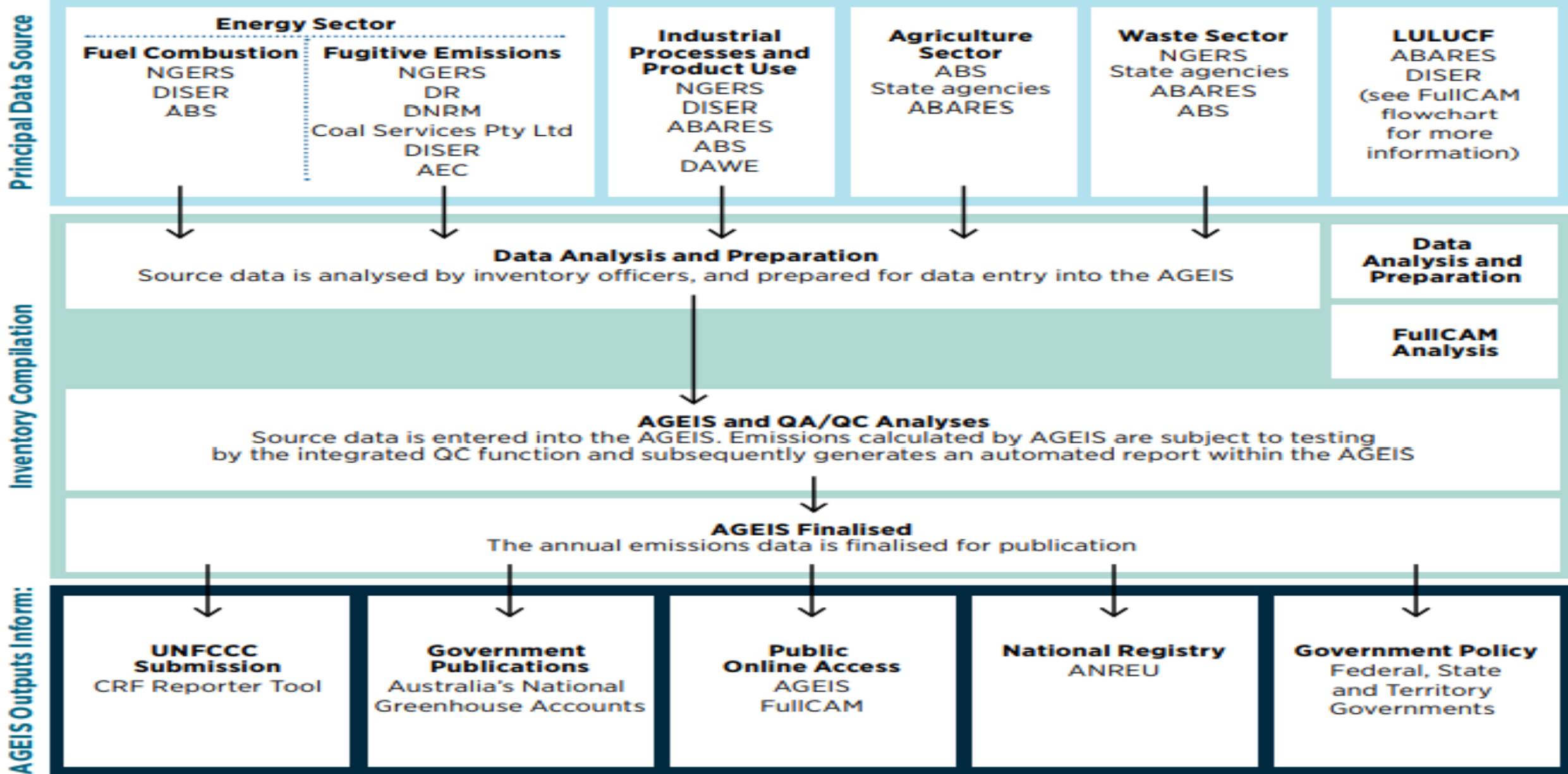
3. Inventory Compilation
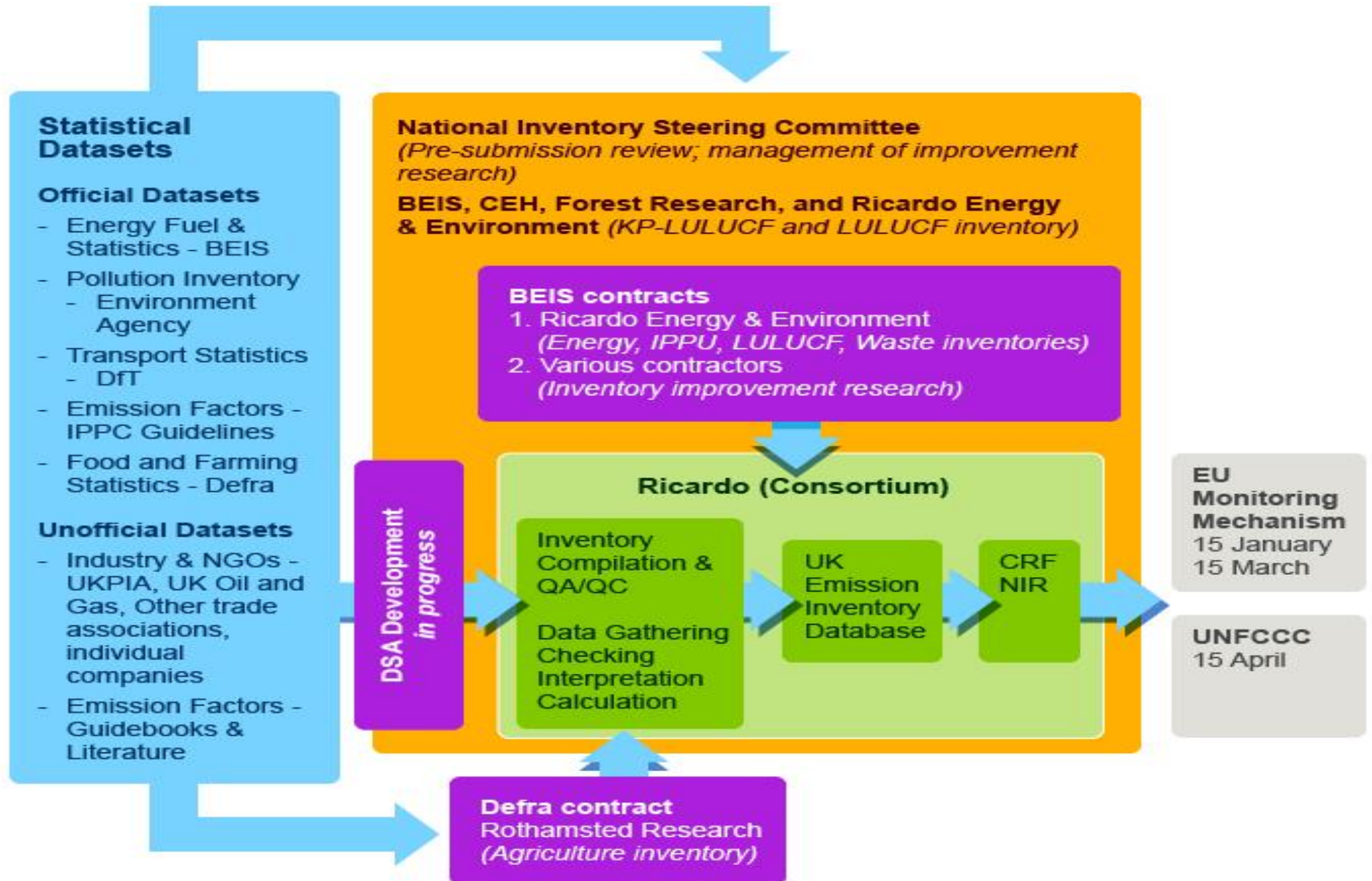- U.S. Environmental Protection Agency *Inventory Compiler*
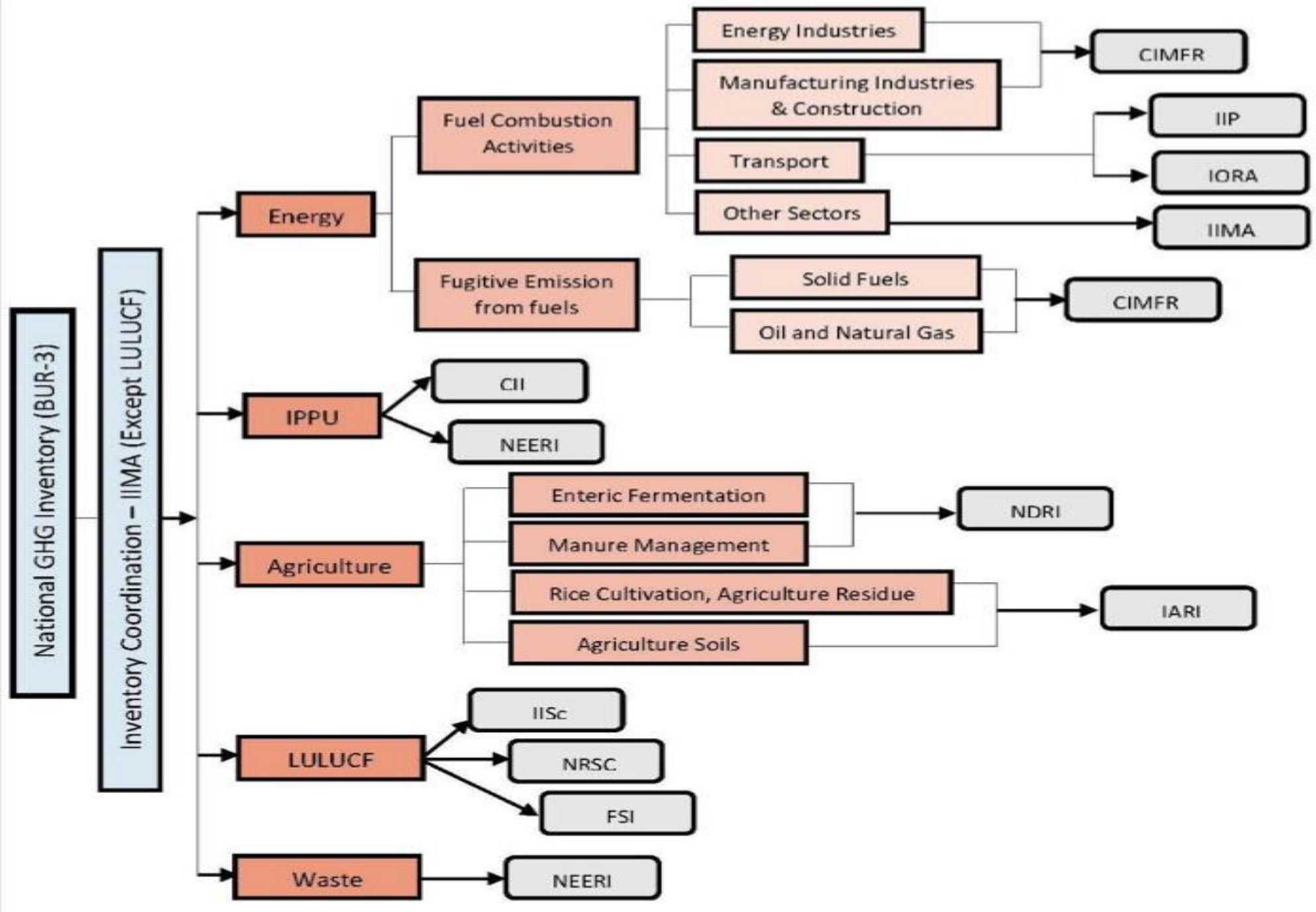
4. Inventory Submission
- U.S. Department of State
- U.S. Environmental Protection Agency
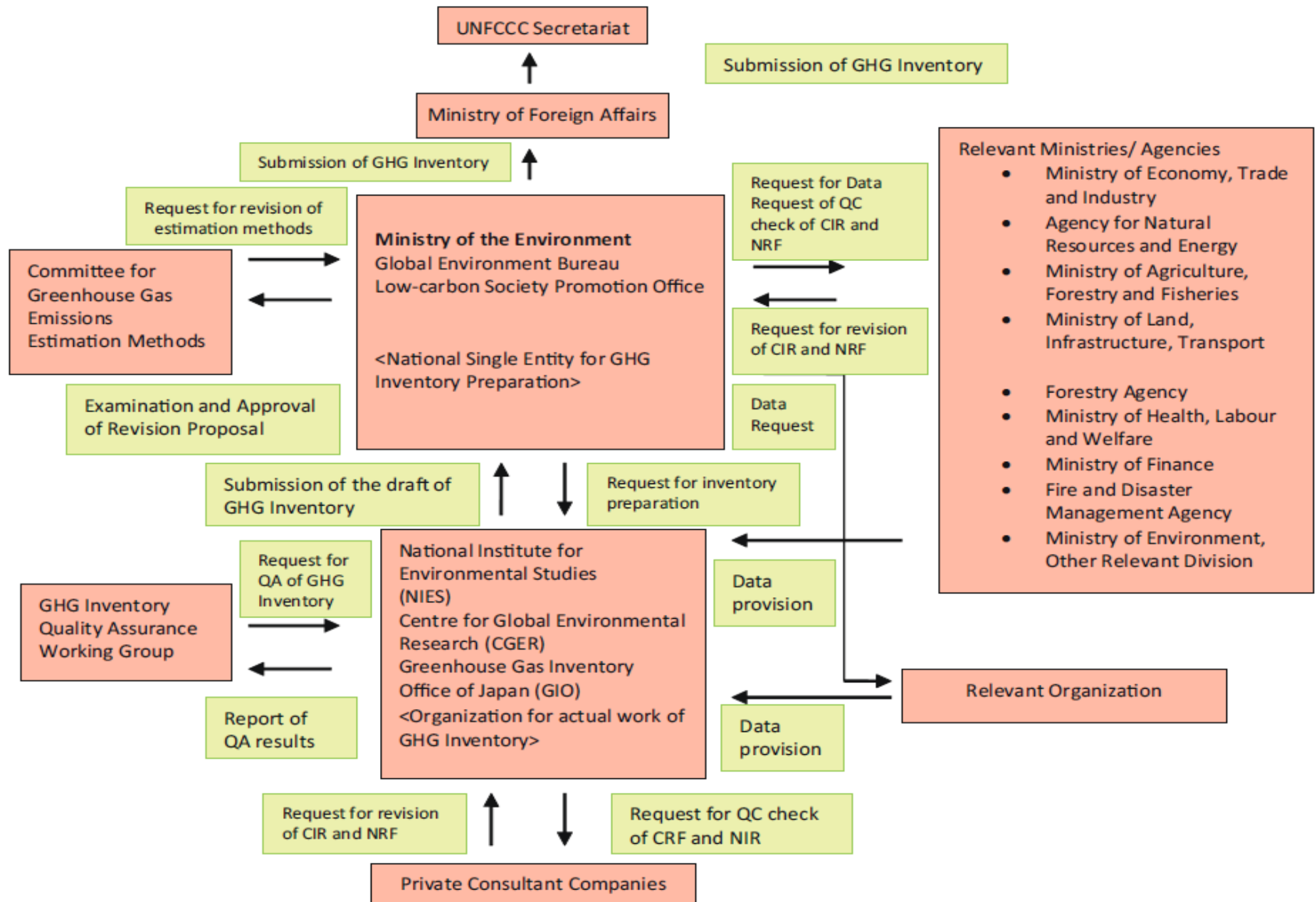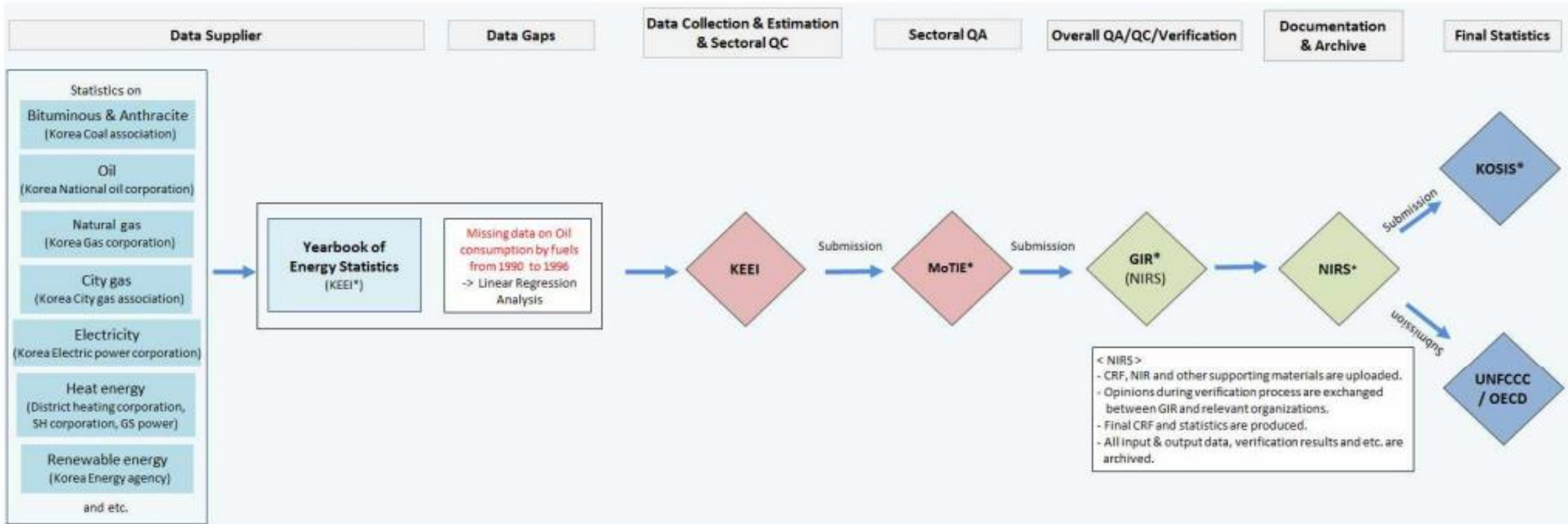- United Nations Framework Convention on Climate Change

NIMS - Australia

CBIT-GSP CLIMATE TRANSPARENCY

Principal Data Source

Energy Sector		**Industrial Processes and Product Use**	**Agriculture Sector**	**Waste Sector**	**LULUCF**
Fuel Combustion	**Fugitive Emissions**				
NGERS	NGERS	NGERS	ABS	NGERS	ABARES
DISER	DR	DISER	State agencies	State agencies	DISER
ABS	DNRM	ABARES	ABARES	ABARES	(see FullCAM
	Coal Services Pty Ltd	ABS		ABS	flowchart
	DISER	DAWE			for more
	AEC				information)

Inventory Compilation

Data Analysis and Preparation
Source data is analysed by inventory officers, and prepared for data entry into the AGEIS

Data Analysis and Preparation

FullCAM Analysis

AGEIS and QA/QC Analyses
Source data is entered into the AGEIS. Emissions calculated by AGEIS are subject to testing by the integrated QC function and subsequently generates an automated report within the AGEIS

AGEIS Finalised
The annual emissions data is finalised for publication

AGEIS Outputs Inform:

UNFCCC Submission	**Government Publications**	**Public Online Access**	**National Registry**	**Government Policy**
CRF Reporter Tool	Australia's National Greenhouse Accounts	AGEIS FullCAM	ANREU	Federal, State and Territory Governments

India National GHG Inventory Cycle

South Korea MRV Process for Energy Sector

NIMS – Republic of Moldova
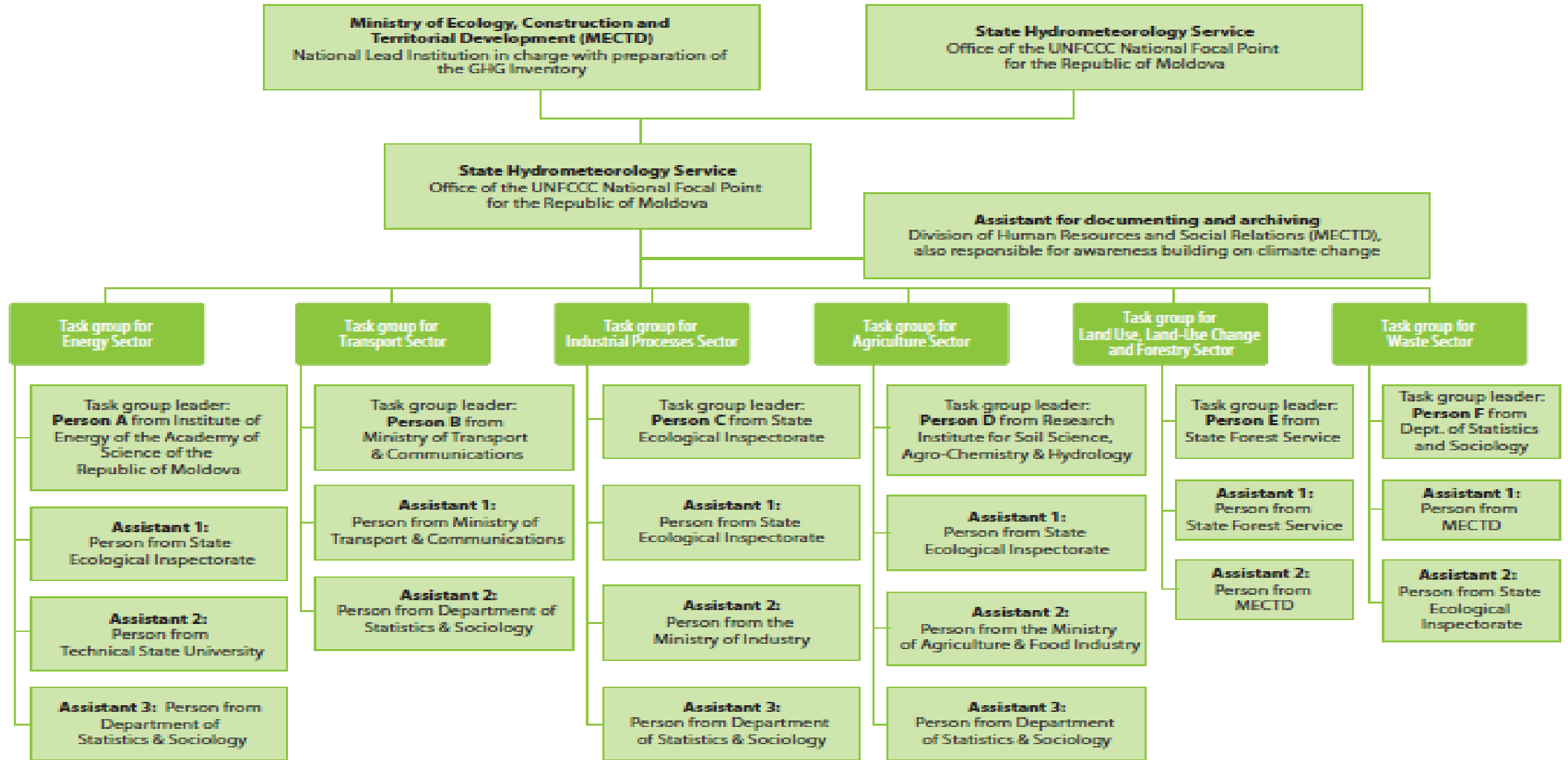
Thank you for your attention

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

Asia Network Coordinator

Jaypalsinh Chauhan
jaypalsinh.chauhan@un.org

Global CBIT-GSP Coordinator

Fatima-Zahra TAIBI
fatima-zahra.taibi@un.org

CBIT-GSP Project Officer

Susanne KONRAD
susanne.konrad@un.org

CBIT-GSP Transparency Officer

Khetsiwe KHUMALO
khetsiwe.khumalo@un.org