

# Climate MRV for Africa – Phase 2 Development of National MRV System Institutional Set-Up: Overview



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## Project of the European Commission DG Climate Action

EuropeAid/136245/DH/SER/MULTI

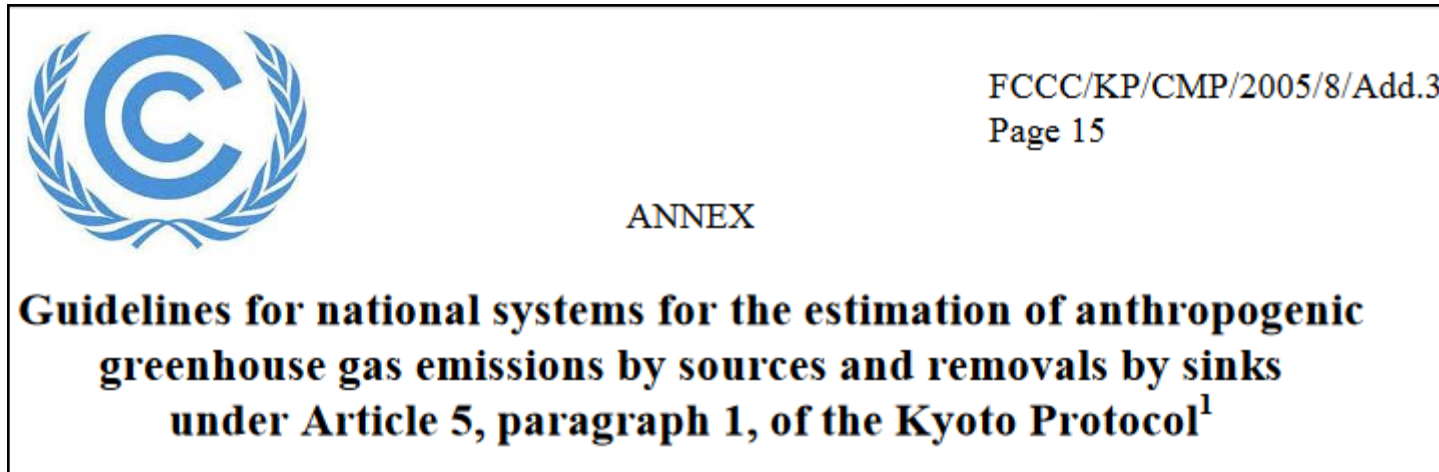
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and Laura Lahti

Team Leader and Key Experts

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# Relevant UNFCCC Documents



- Applies for Annex I countries
- Focus on national systems for GHG inventory estimation
- Can draw useful elements from such guidelines for developing countries

# Relevant UNFCCC Documents

FCCC/CP/2002/7/Add.2

English

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ANNEX

## **Guidelines for the preparation of national communications from Parties not included in Annex I to the Convention**



5. Non-Annex I Parties may provide a description of existing institutional arrangements relevant to the preparation of their national communications on a continuous basis.

# Relevant UNFCCC Documents

FCCC/CP/2011/9/Add.1

## Annex III



**UNFCCC biennial update reporting guidelines for Parties not included in Annex I to the Convention**



## II. Scope

2. The scope of biennial update reports is to provide an update to the most recently submitted national communication in the following areas:

(a) Information on national circumstances and institutional arrangements relevant to the preparation of the national communications on a continuous basis;

# MRV System Drivers

1. GHG

Emissions

National communication

Emissions Reductions

BUR

2. Mitigation

Non-GHG Impacts/  
Co-benefits

NAMAs

Implementation

Targets/policies/goals

3. Support

Support

Corporate inventory

➤ What are the national and international MRV requirements?

➤ MRV system needs to be adapted accordingly

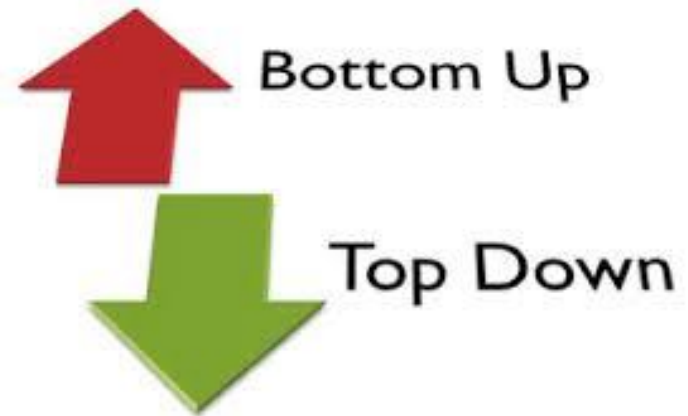
# Institutional Setup Approaches

## ➤ Bottom Up Approach:

- MRV system to track NDC/NAMA/Policy
- MRV system to track industrial emissions
- MRV system on municipal level

## ➤ Top Down Approach:

- Integrated National MRV System
- National GHG Inventory

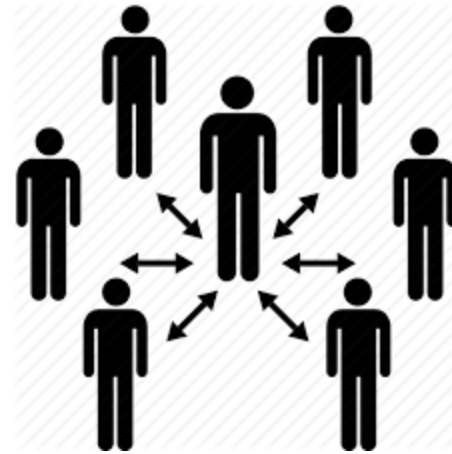


# Common Institutional Setup Elements

Inter-ministerial body/  
Steering Committee



Coordinating Entity



Technical Coordinator(s)



Sectoral Working Groups





# Roles of Coordinating Entity

- **Plans** all co-ordination and consultation activities
- **Identifies** all institutions to be involved
- **Allocates** responsibilities for all components of the MRV system
- **Develops** a schedule for preparing the required deliverables



# Roles of Coordinating Entity

- **Identifies** constraints and needs - financial, technical, skills
- **Informs** committees/working groups of progress and emerging issues
- **Develops** and **oversees** QA/QC system
- **Manages** the overall budget
- **Develops** and **maintains** an archiving system



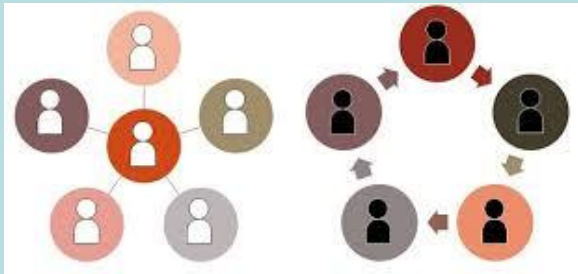
# How to Choose a Coordinating Entity ?

- **Location within government** is a key factor for an effective MRV system – most often in the Ministry responsible for climate change
- Ability to conduct **inter-ministerial coordination**
- **Sufficient institutional capacity:**  
financial resources  
dedicated staff



# Types of Coordinating Entities (CE)

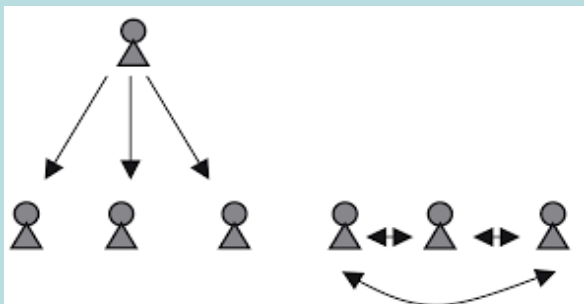
- A single body (Coordinating entity) should be designated
- Responsible for the overall coordination and management



**Centralized vs. Decentralized**



**In-sourced vs. Out-sourced**



**Single agency vs. Multi-agency**



**Integrated vs. Separate**

# Centralized vs. Decentralized CE

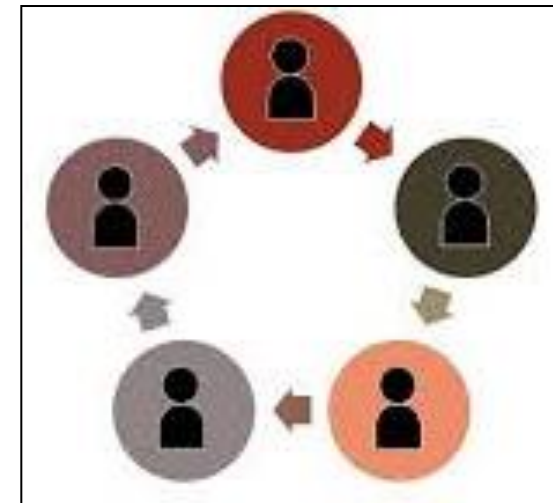
## Centralized

- Maintains extensive control and decision making authority
- Only a small number of teams working under it



## Decentralized

- Includes many different teams institutions
- Each works on different parts or categories of the MRV system



# In-Sourced vs. Out-Sourced CE

## In-sourced

- Deliverables are developed by government entities
- More sustainable - avoids loss of experience, skills, and institutional memory



## Out-sourced

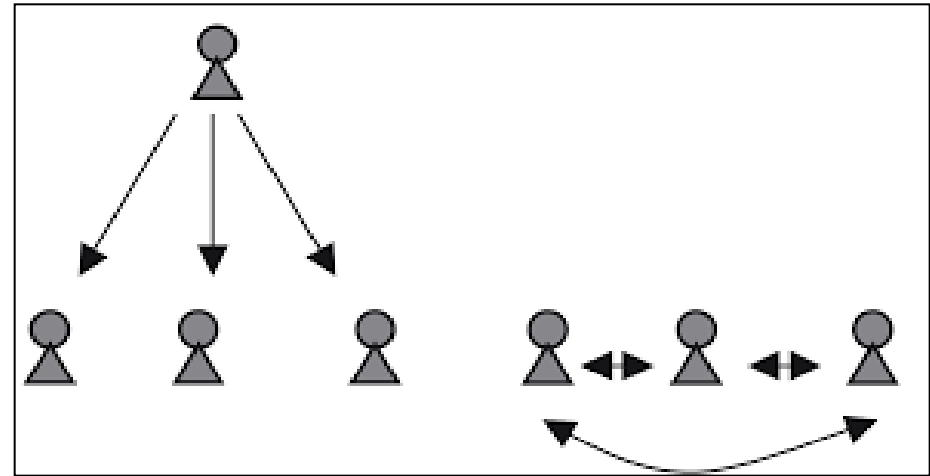
- Deliverables are developed by private consultants, research/academic institutions, or NGOs
- The case of many developing countries (NC/BUR)

# Single vs. Multi Agency CE

## Single Agency

- CE is a **single body** located within governmental agency

a



## Multi Agency

- CE is structured as a **multi-agency working group** or **inter-ministerial committee**

In both cases, it is common to have several technical working groups sourced from different institutions under the CE

# Integrated vs. Separate CE

## Integrated

- CE integrates several national efforts (e.g. GHG monitoring combined with local pollutants monitoring)

## Separate

- CE performs only GHG monitoring independent of any other national efforts





# Typical Stages of Sustainable Institutional Setup

## PLANNING

Appointing teams, identifying contributing organizations

Establishing coordination mechanisms, agreeing to approval process

Planning funding allocation and budget, etc

## PREPARATION

Holding first coordination meeting, consulting stakeholders, agreeing to milestones and timelines

Overseeing schedule and milestones, holding check-in meetings

Collecting and validating any relevant data

## REPORTING

Reviewing first drafts

Compiling and finalizing all information, editing and creating document, preparing for approval process and submission

## DOCUMENTING AND ARCHIVING

Establishing procedures to ensure regular and systematic documentation and archiving in order to enhance transparency and ensure sustainability of the process

## EVALUATION

Identifying lessons learned, strengths and weaknesses, opportunities for improvement

## NATIONAL CONSULTATION PROCESS

Validation of the report through consultation with national stakeholders

## APPROVAL AND SUBMISSION

Getting the report approved by relevant approving government authority and submitting it to the UNFCCC secretariat

# Planning Stage (1)

- Define **work plan** and **schedule**
- Define **roles** and **responsibilities** of governmental agencies
  - ▣ Data collection
  - ▣ Estimation of GHG emissions
  - ▣ Monitoring of Mitigation actions
  - ▣ Monitoring of Support received
  - ▣ QA/QC
  - ▣ Archiving system



# Planning Stage (2)

- Establish coordination mechanisms
- Establish verification mechanisms
- Define a system for tracking continual improvements
- Define capacity building needs
- Plan funding allocation



# Preparation Stage

- **Consultation workshop** with all stakeholders to:
  - Present scope of the national MRV system
  - Present suggested roles/responsibilities
  - Present timelines and milestones
  - Receive comments
  - Reach agreement on the MRV system
- **Coordination meetings** with different entities involved in the system



# Reporting Stage

- Different entities perform assigned tasks
- CE receives inputs from different entities
- CE processes inputs (or receive processed inputs)
- CE compiles inputs in a single report (can be allocated to another entity)
- CE sends the report to pre-defined entities for first draft review
- CE supervises the process of addressing comments
- CE prepares final report for national approval



# Documentation and Archiving

- CE supervises the documentation and archiving procedures:
  - Ensure transparency and sustainability of the process
  - Defend the deliverable contents during review
  - Build on the experiences gained to ensure continuous improvement
- Comments from different entities should be documented
- System should be able to track continuous improvements



# Evaluation Stage

- Identifying Lessons Learnt
- Identifying strengths and weaknesses
  - Sectors not covered
  - Lack of QA/QC for some data/sectors
  - Others
- Prepare plan for improvement
  - Capacity building needs
  - Additional resources needs
  - Others



# National Consultation Process

- Takes place before final approval of the report
- Relevant stakeholders are invited to present the main outcomes
- Receiving final comments and obtaining formal agreement on report
- National consultation should be a common practice



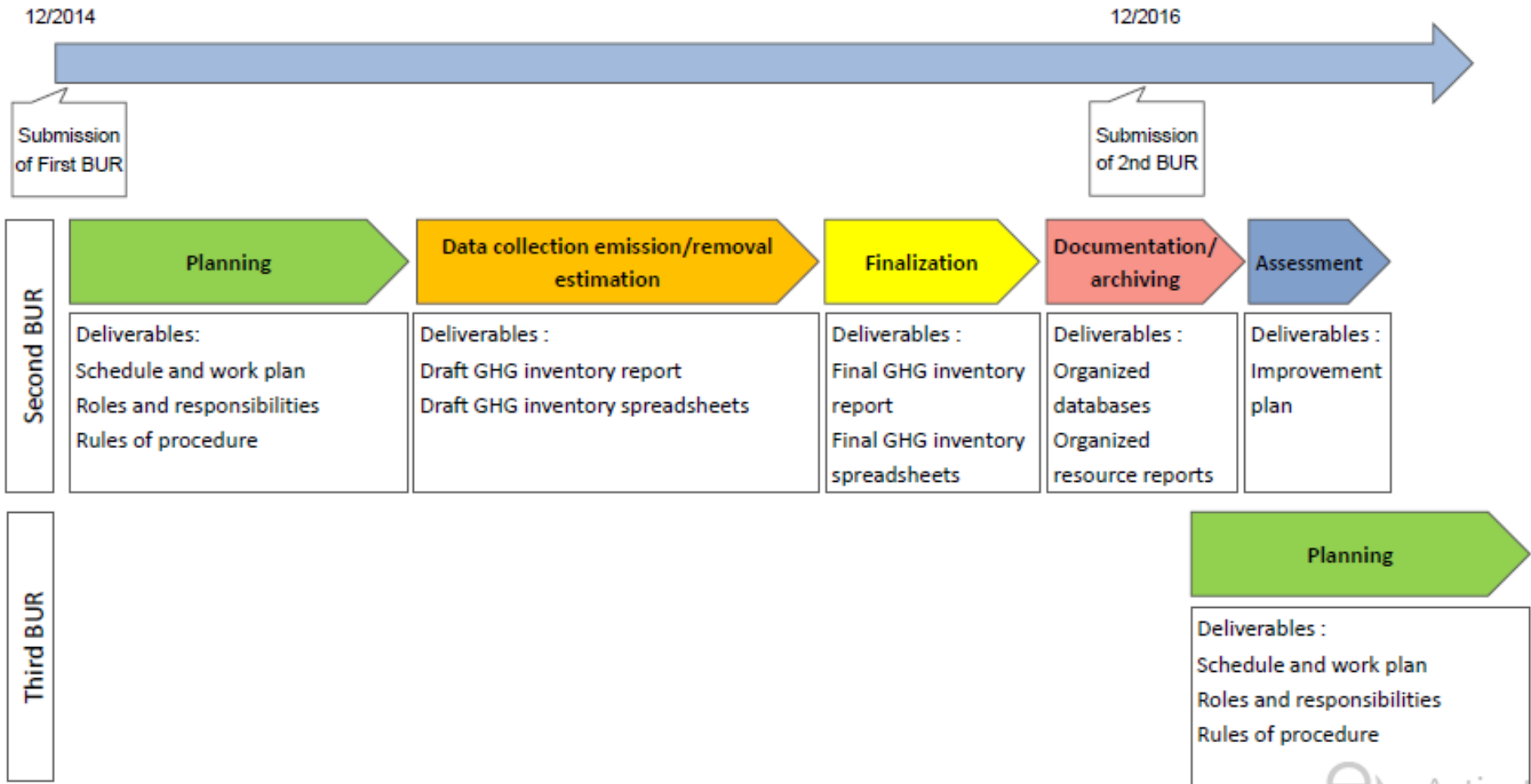


# Approval and Submission Stage

- Obtaining approval from relevant governmental authorities/Ministries
- May need approval from Cabinet of Ministers
- Submission of report to UNFCCC



# Cyclic Process !



# Key Questions to Check Performance

- Is there a framework for cooperation with relevant ministries/agencies ?
- Are entities aware of the required international deliverables ?
- Are there procedures for QA/QC ?
- Is there a process for continuous improvement ?
- Is there a system for electronic data management ?
- Is there a system for archiving relevant information ?
- Have the entities received relevant capacity building ?

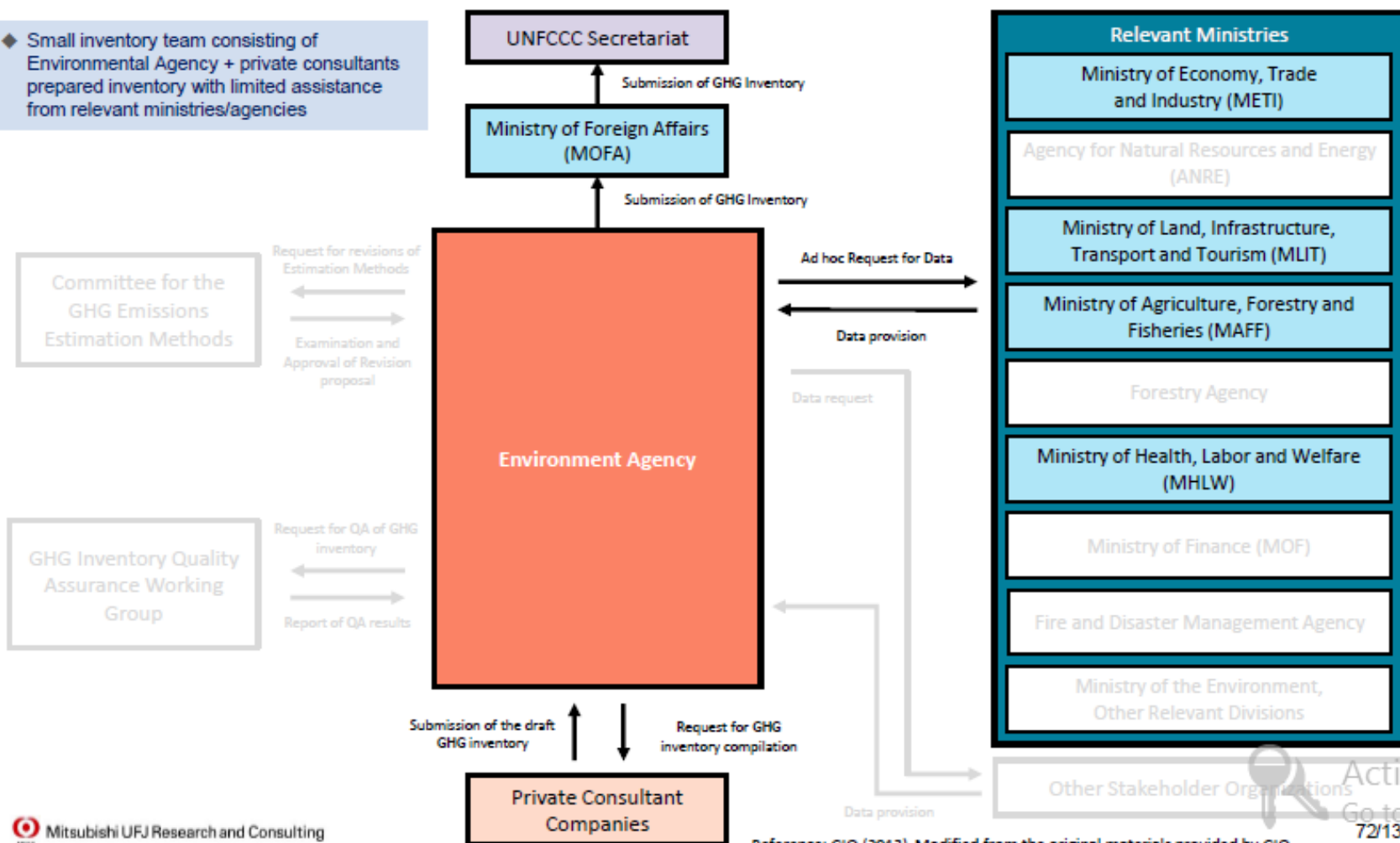


# Evolutionment of Institutional Setup - Japan

## Phase 1 (1992-1994)



◆ Small inventory team consisting of Environmental Agency + private consultants prepared inventory with limited assistance from relevant ministries/agencies

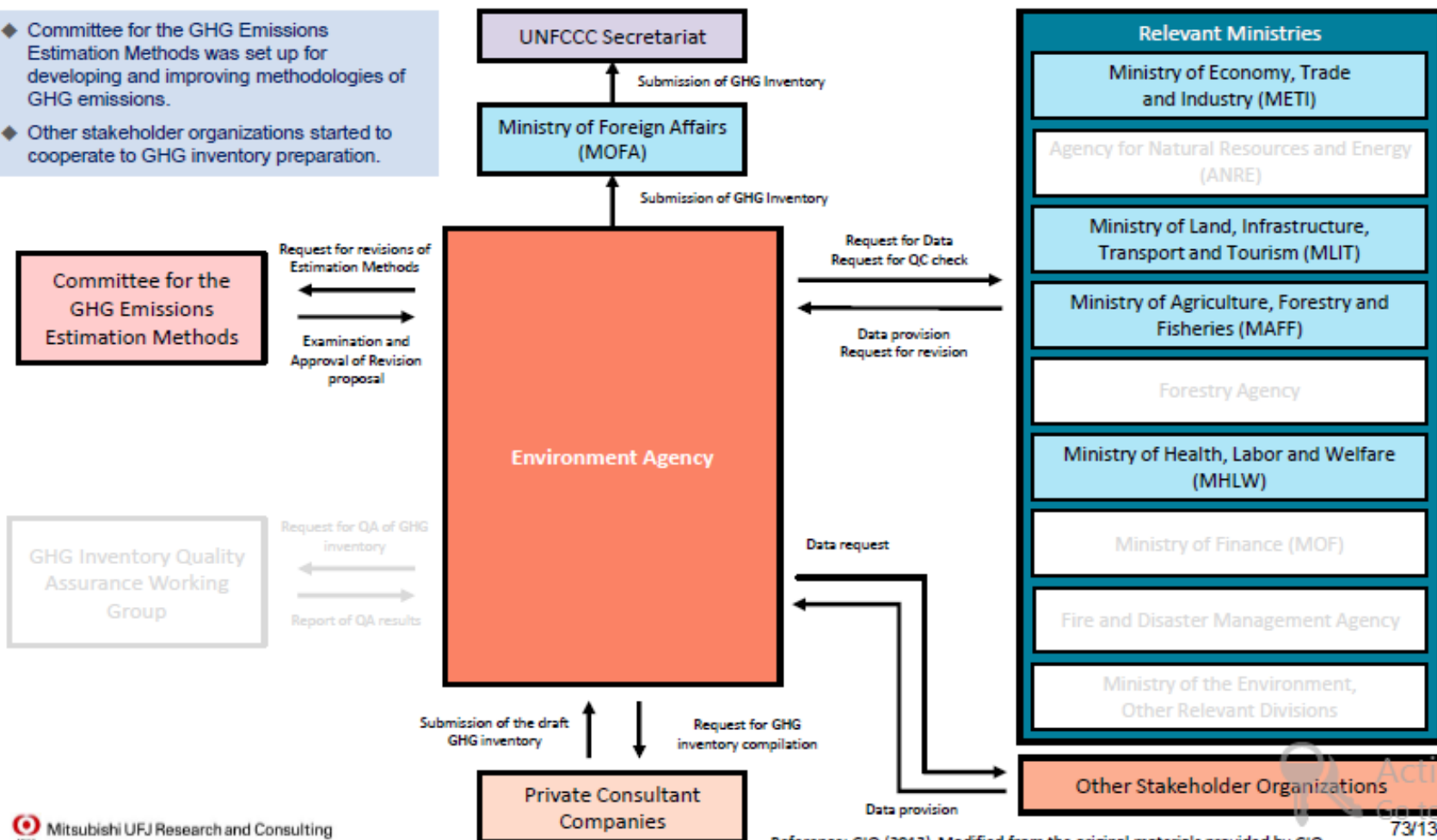


# Evolutionment of Institutional Setup - Japan

## Phase 2 (1996-1998)



- ◆ Committee for the GHG Emissions Estimation Methods was set up for developing and improving methodologies of GHG emissions.
- ◆ Other stakeholder organizations started to cooperate to GHG inventory preparation.

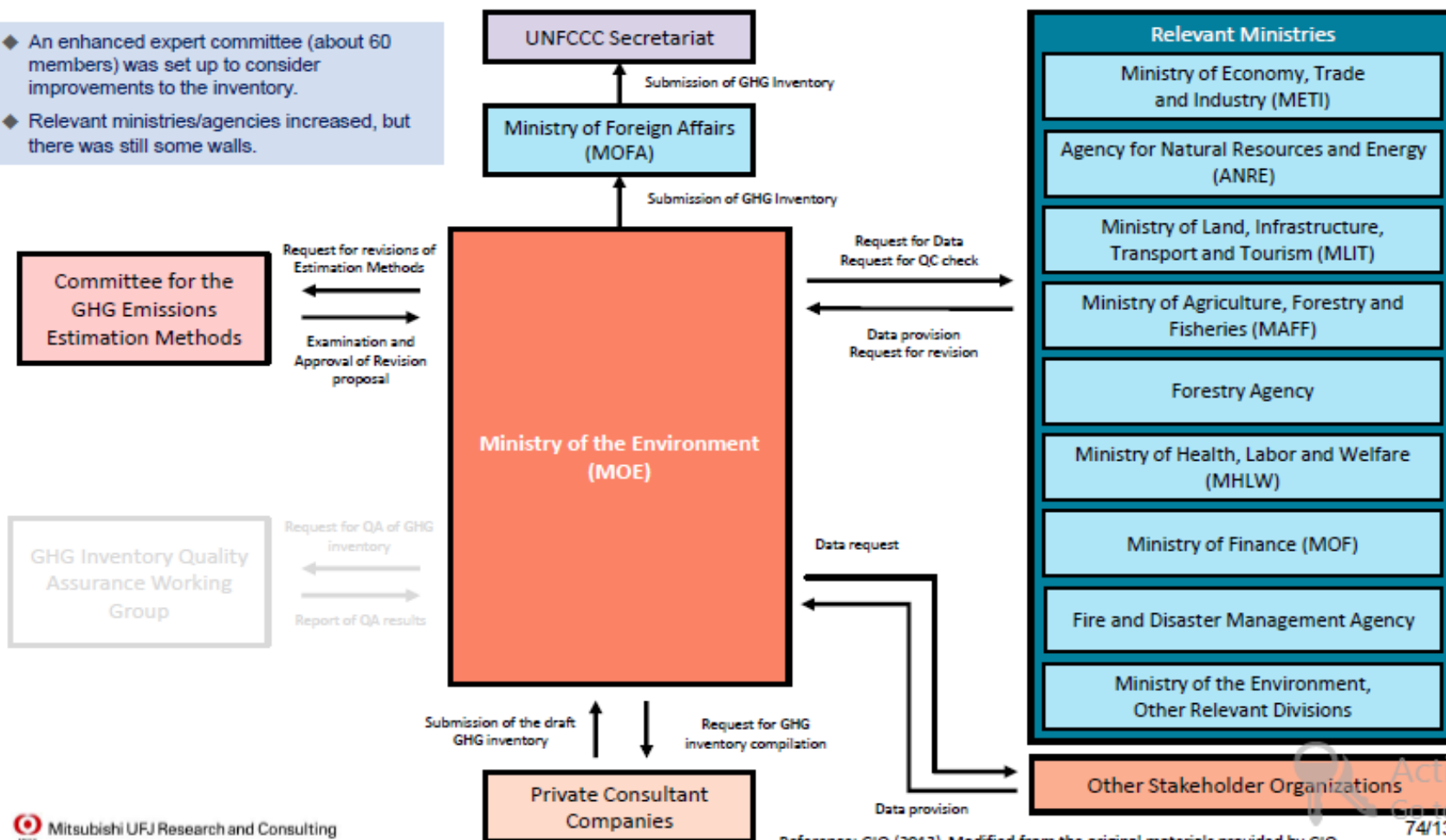


# Evolutionment of Institutional Setup - Japan

## Phase 3 (1999-2002)



- ◆ An enhanced expert committee (about 60 members) was set up to consider improvements to the inventory.
- ◆ Relevant ministries/agencies increased, but there was still some walls.

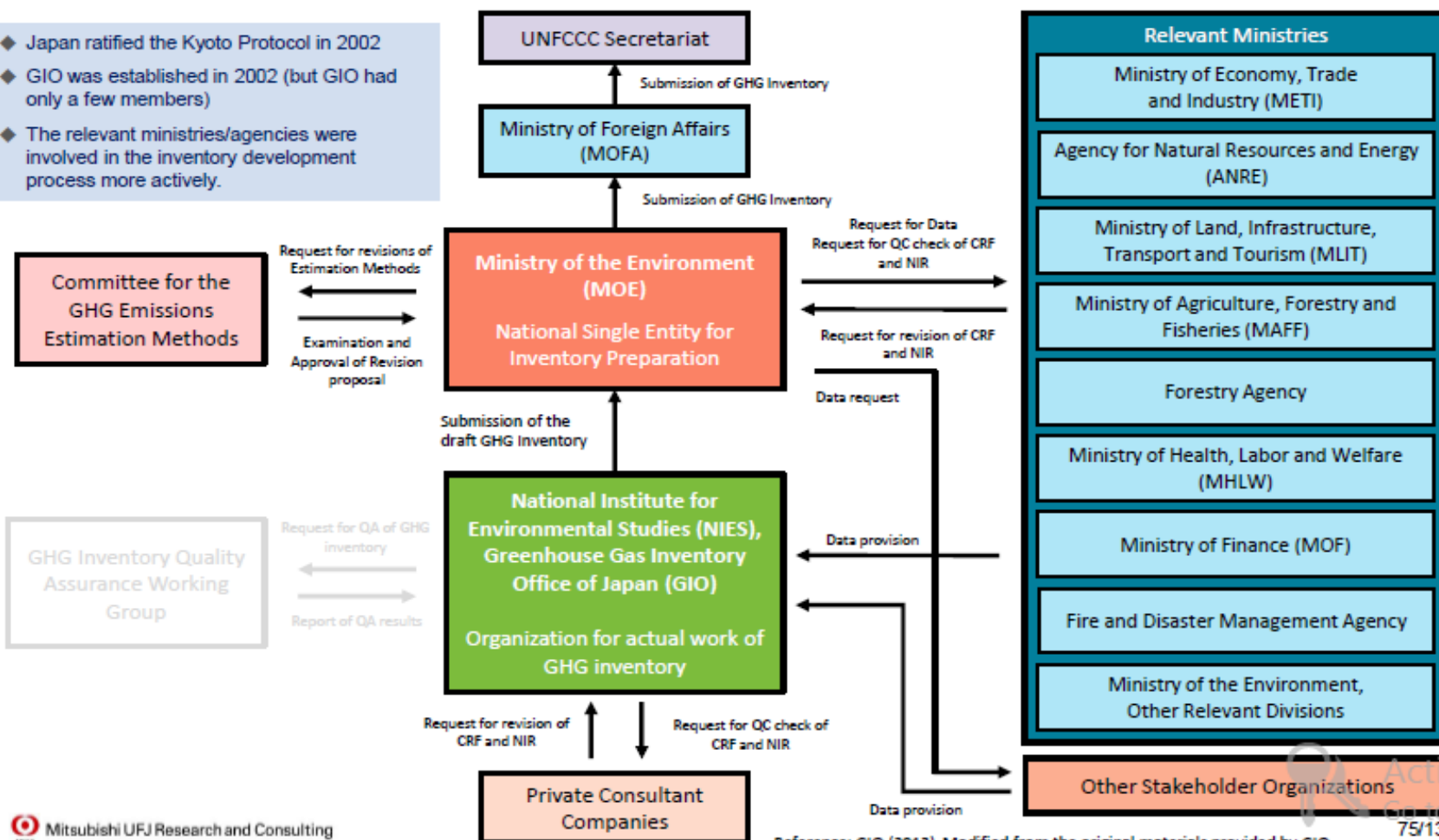


# Evolutionment of Institutional Setup - Japan

## Phase 4 (2002-2008)



- ◆ Japan ratified the Kyoto Protocol in 2002
- ◆ GIO was established in 2002 (but GIO had only a few members)
- ◆ The relevant ministries/agencies were involved in the inventory development process more actively.

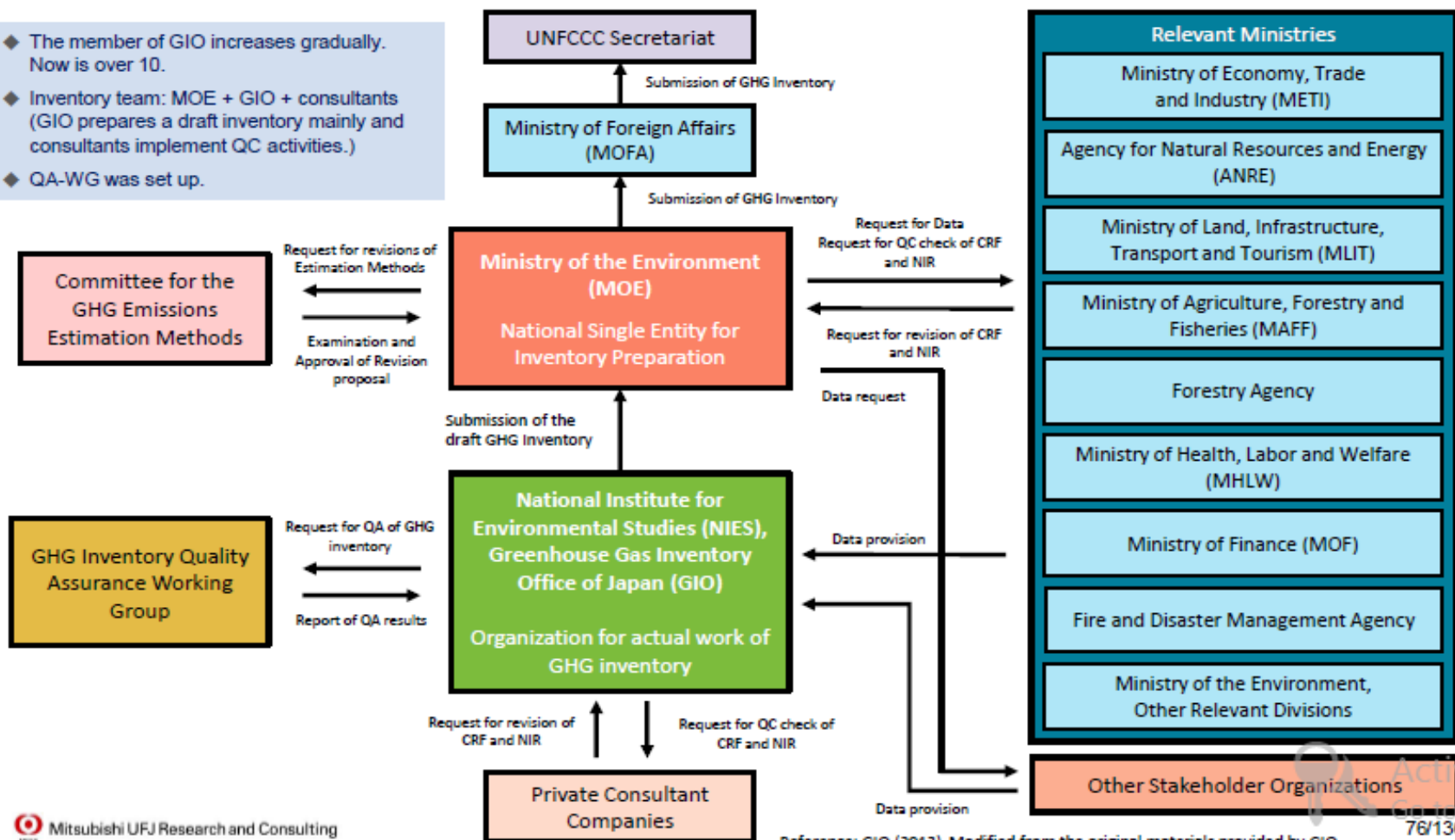


# Evolutionment of Institutional Setup - Japan

## Phase 5 (2009-)

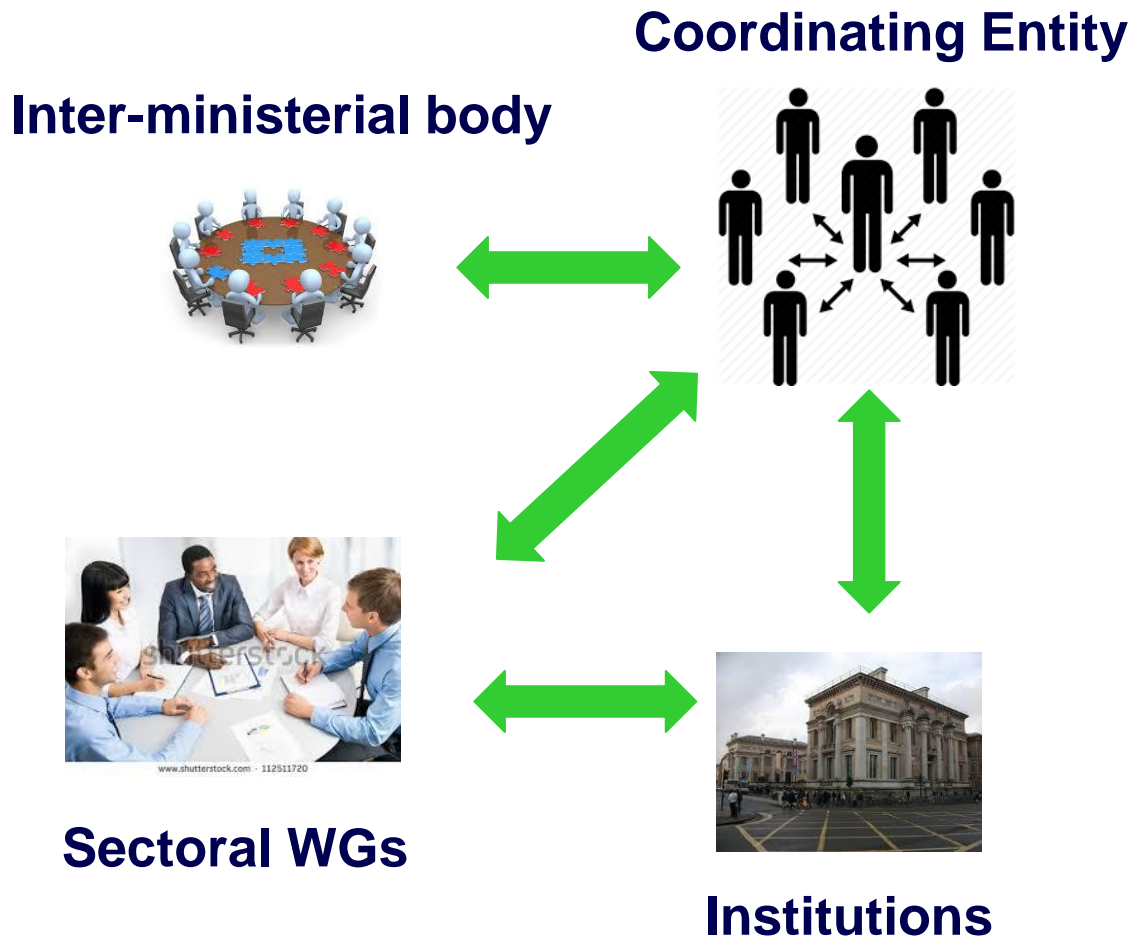


- ◆ The member of GIO increases gradually. Now is over 10.
- ◆ Inventory team: MOE + GIO + consultants (GIO prepares a draft inventory mainly and consultants implement QC activities.)
- ◆ QA-WG was set up.





# Summary of Institutional Setup



# Thank you!

Amr Osama Abdel-Aziz, Assen Gasharov, Mike Bess and Laura Lahti