

# Climate MRV for Africa – Phase 2

## Development of National MRV System

### Institutional Setup: Case studies

#### Germany, Ghana, USA, Mexico, South Africa



**NIRAS**  
Lead partner

GreenStream

**TÜVRheinland**<sup>®</sup>  
Precisely Right.

**camco**  
clean energy

## Project of the European Commission

### DG Climate Action

EuropeAid/136245/DH/SER/MULTI

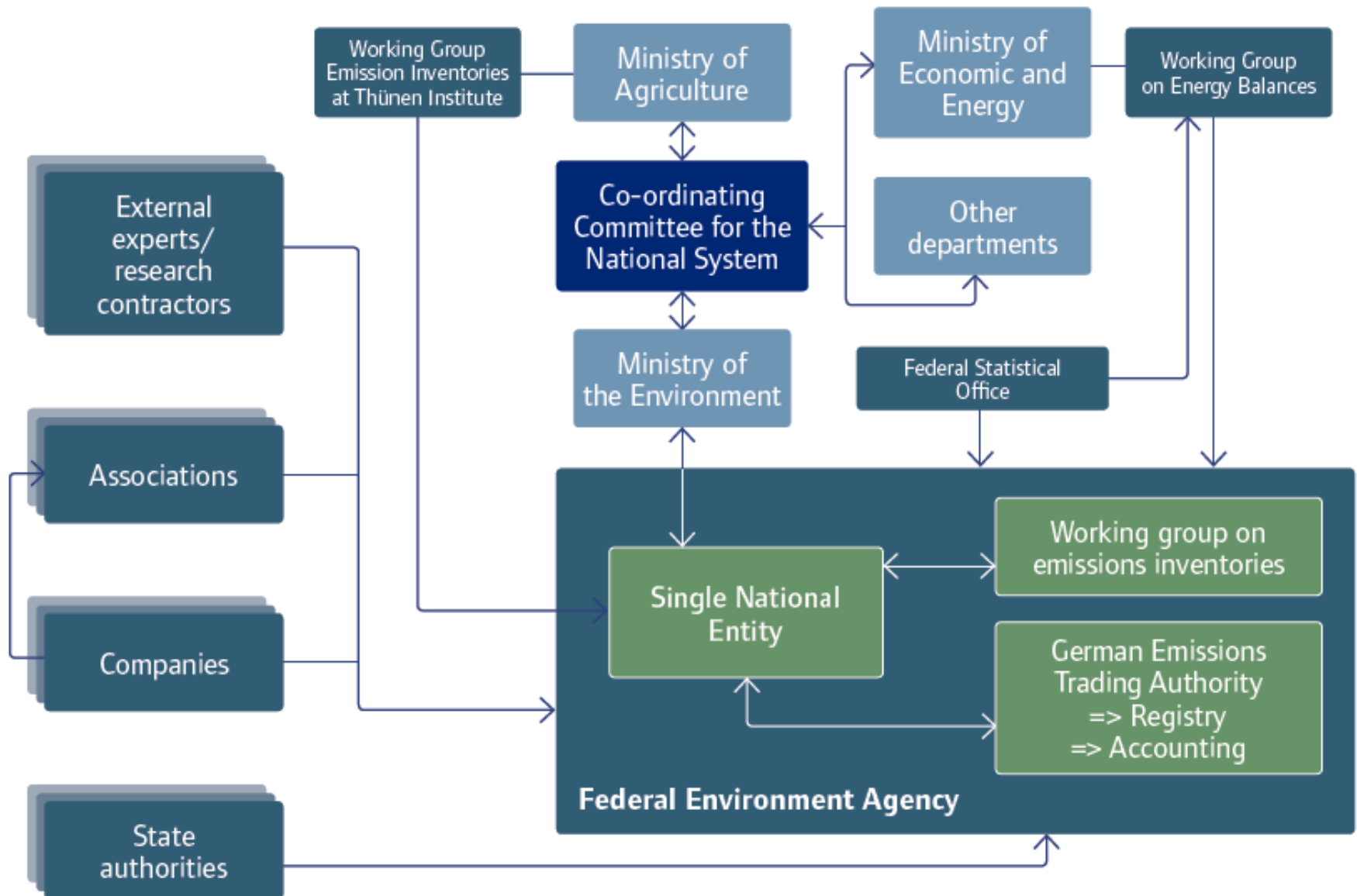
Amr Osama Abdel-Aziz, Assen Gasharov, Mike Bess  
and Laura Lahti

Team Leader and Key Experts

January 2017

**Germany**

# Germany Architecture



# Germany

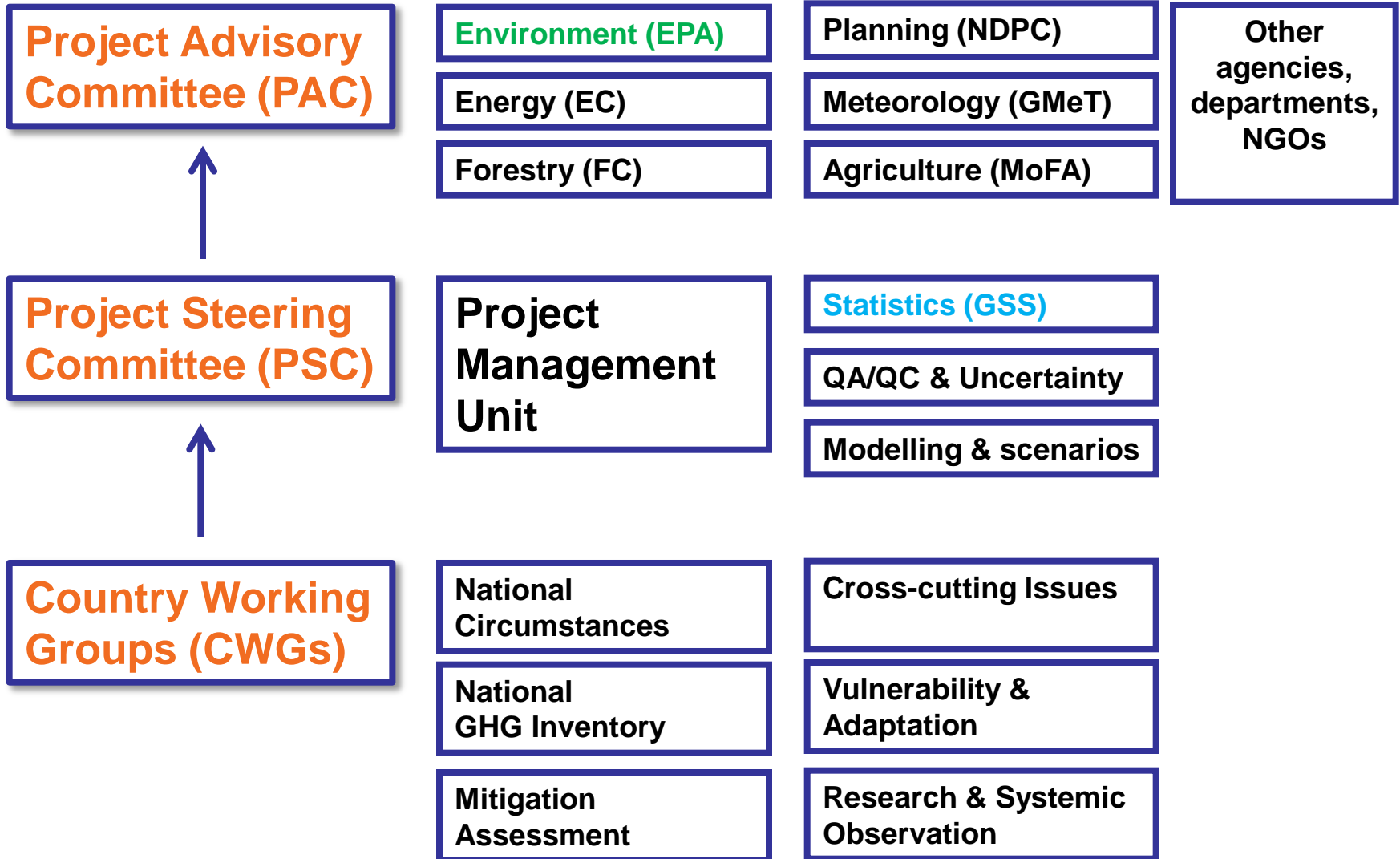
## Key Elements

- National Co-ordinating Committee (led by BMUB)
  -
- Single National Entity (under UBA)
  - Central System on Emissions (CSE)
  - Quality System for Emissions Inventories (QSE)
- Working Group on Emissions Inventories (UBA)
- Working Group in Energy Balances (BMWFi)
- Federal Statistical Office



**Ghana**  
**Climate Ambitious Reporting**  
**Programme (G-CARP)**

# Ghana: G-CARP, since 2013



# Key elements of G-CARP

- **Top tier: Project Advisory Committee (PAC)**
  - ▣ 13 senior representatives (from all stakeholder groups)
- **Middle tier: Project Steering Committee (PSC)**
  - ▣ Project Management Unit – implementation / clearinghouse
  - ▣ QA/QC & Uncertainty Co-ordinator (Ghana Statistical Service)
  - ▣ Representatives of leading government institutions
- **Lower tier: Country Working Groups (CWGs) (x6)**
  - ▣ Each CWG led by a key institution subject to EPA Act 490

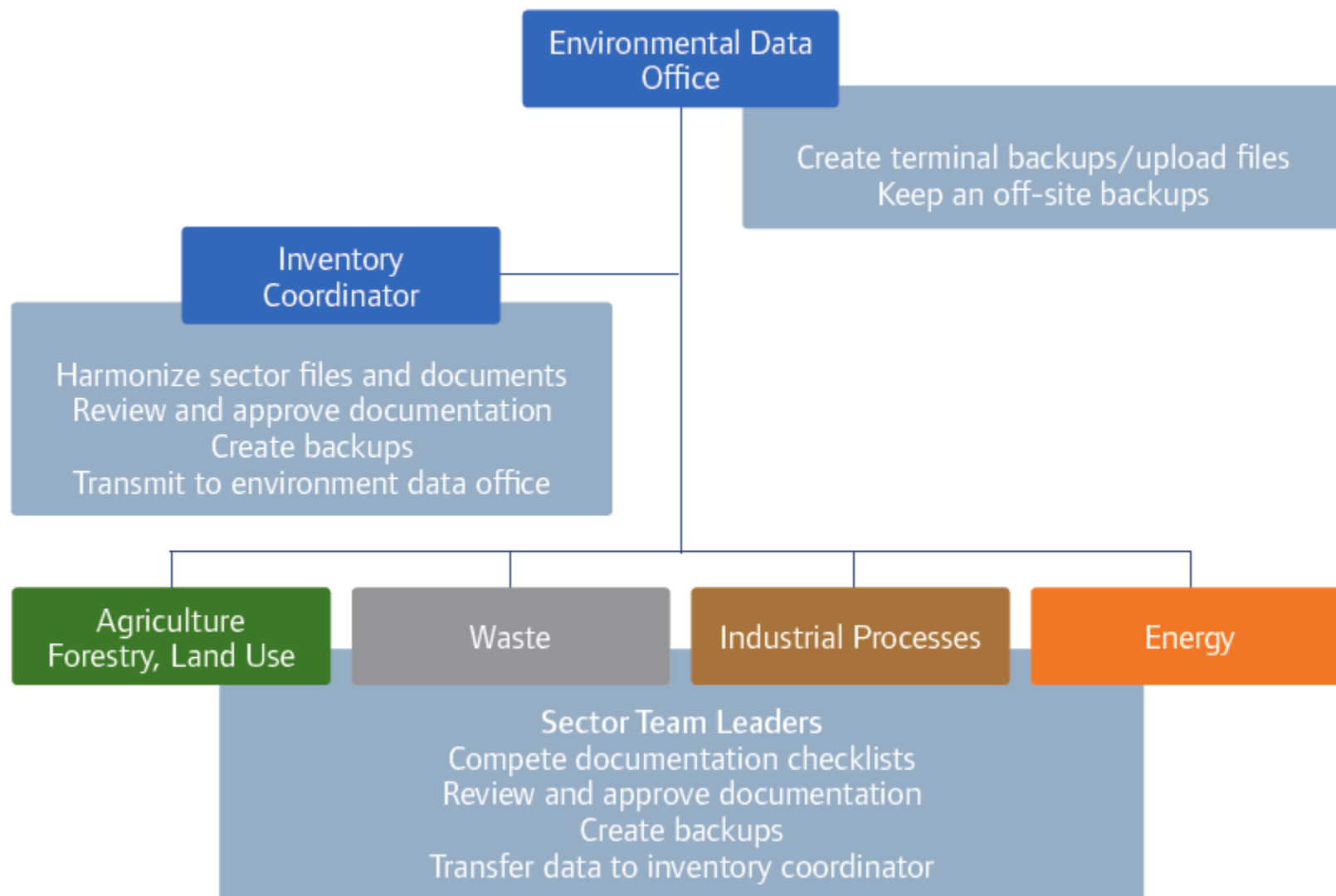
# Climate Change Data Hub (CCDH)

- One-stop-shop for all climate change data and activities
- Integrating existing databases (Energy, Forestry)
- Sector data gathering delegated to each Ministry
- Ghana Statistical Service (GSS) puts all together

<http://www.climatedatahubgh.com/>



# CCDH – data flow example



# Resources

## ➤ Human resources:

- ❑ 30 experts from 16 institutions (public and private)
- ❑ Continuous training of staff



## ➤ Financial resources

- ❑ Donors (GEF, UNDP LECB, World Bank, Germany's BMBU)
- ❑ Government of Ghana provided in-kind contributions



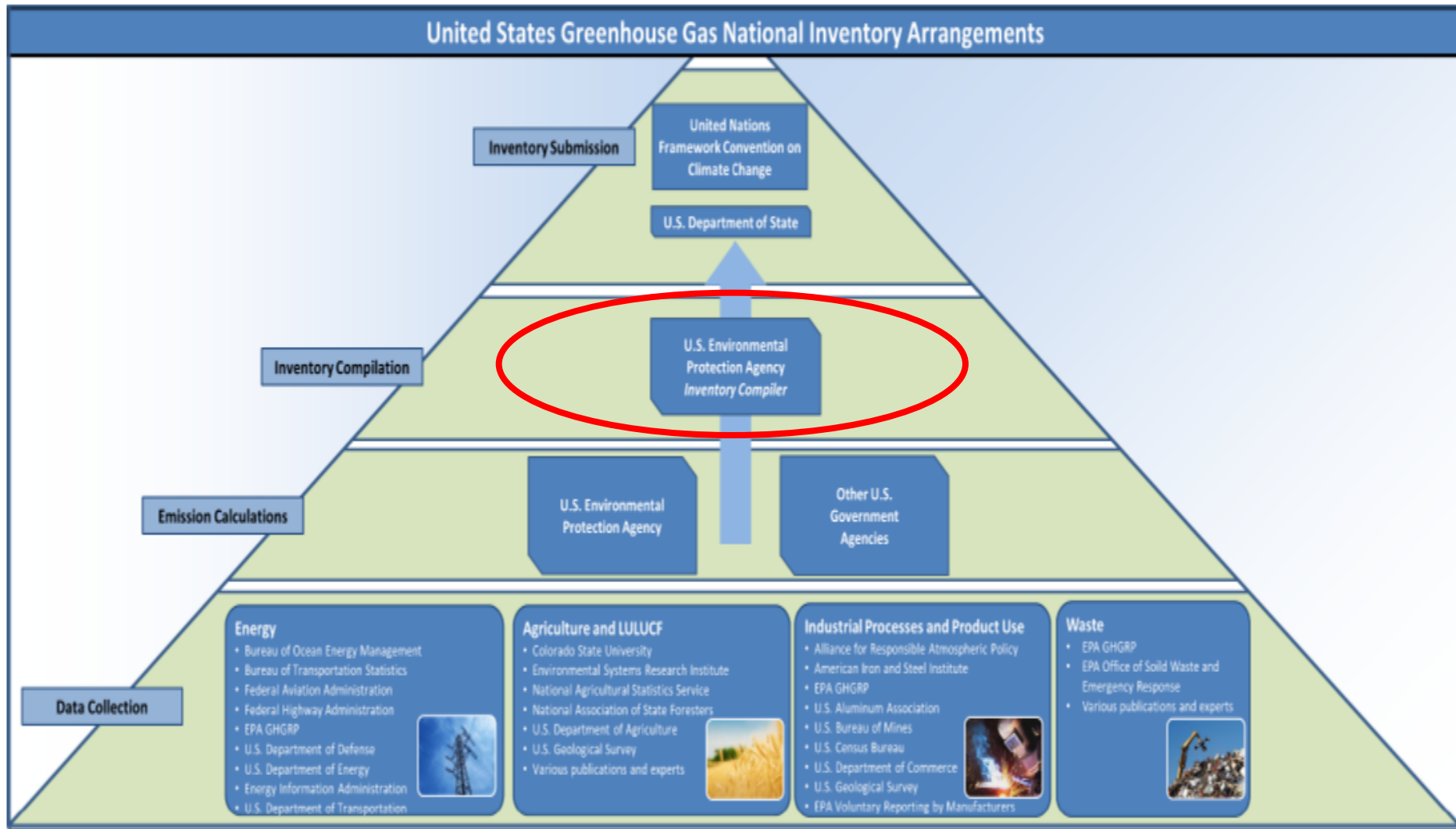
# Success factors (and lessons learned)

- Strong legal basis (EPA Act 490)
- Clear institutional responsibilities
- Establishing an integrated data hub
- Additional resources (human and financial)
- Shared effort to data gathering and reporting
- No reinventing of the wheel



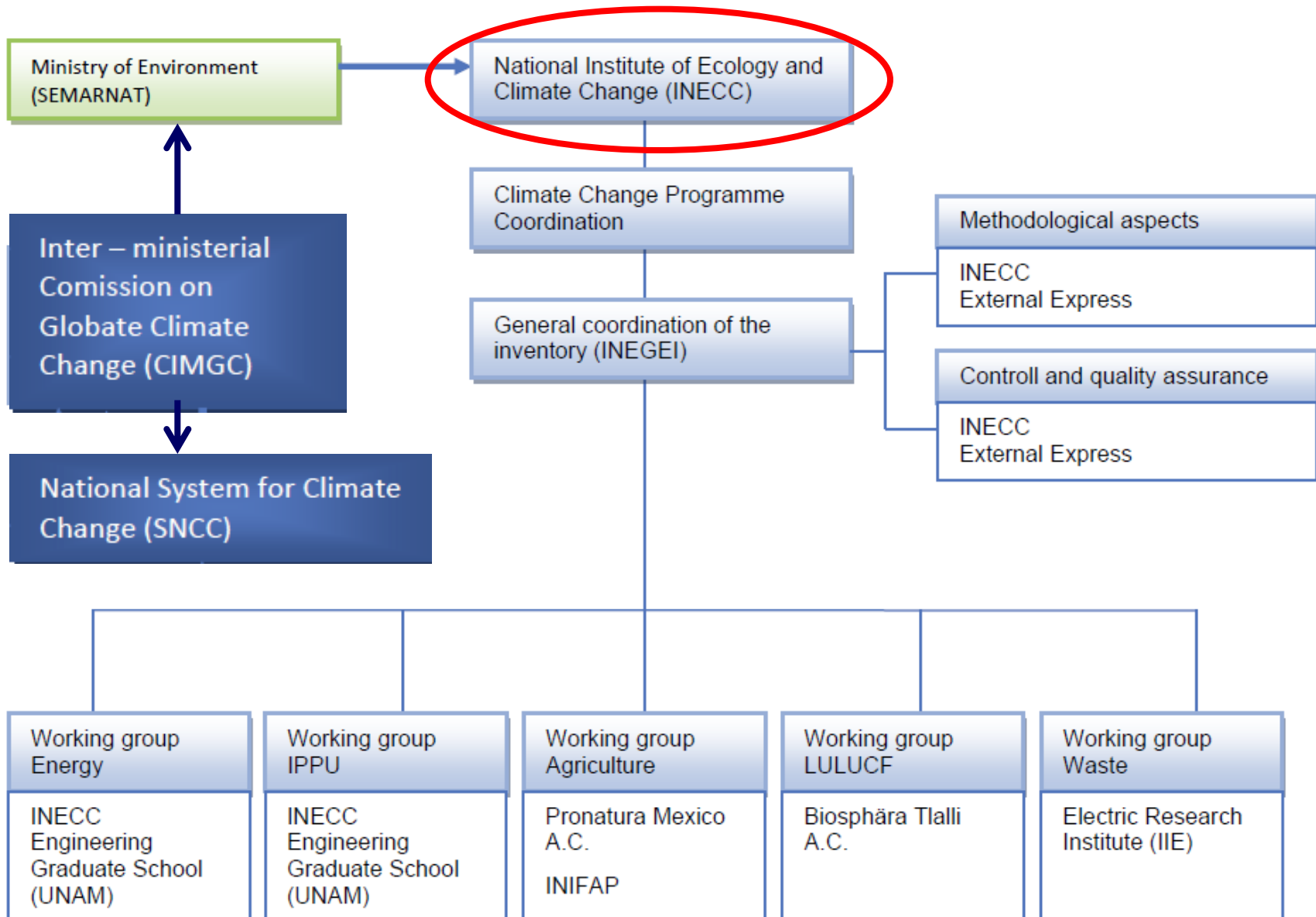
**USA**

# USA's national MRV system



**Mexico**

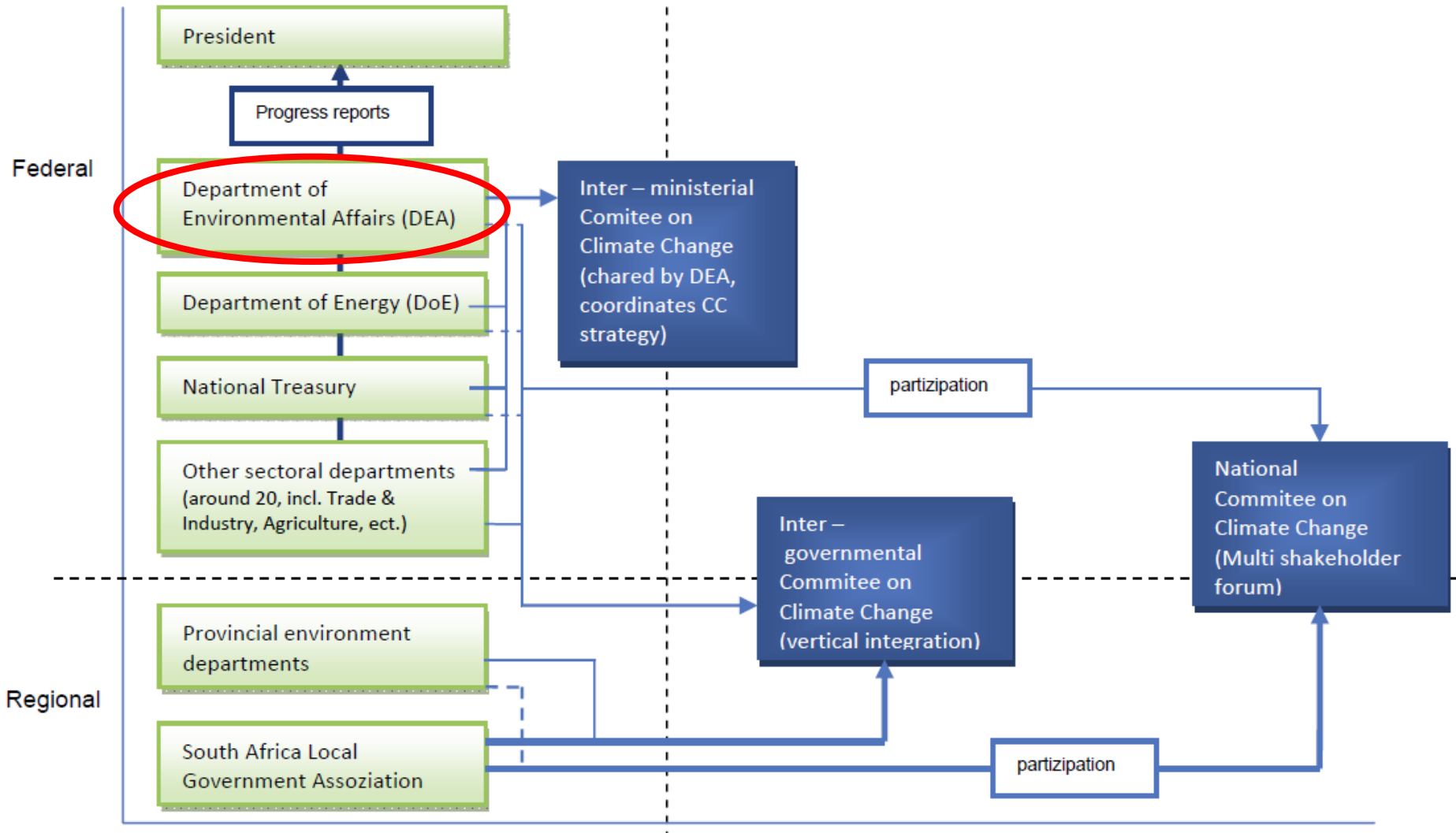
# Mexico's national MRV system



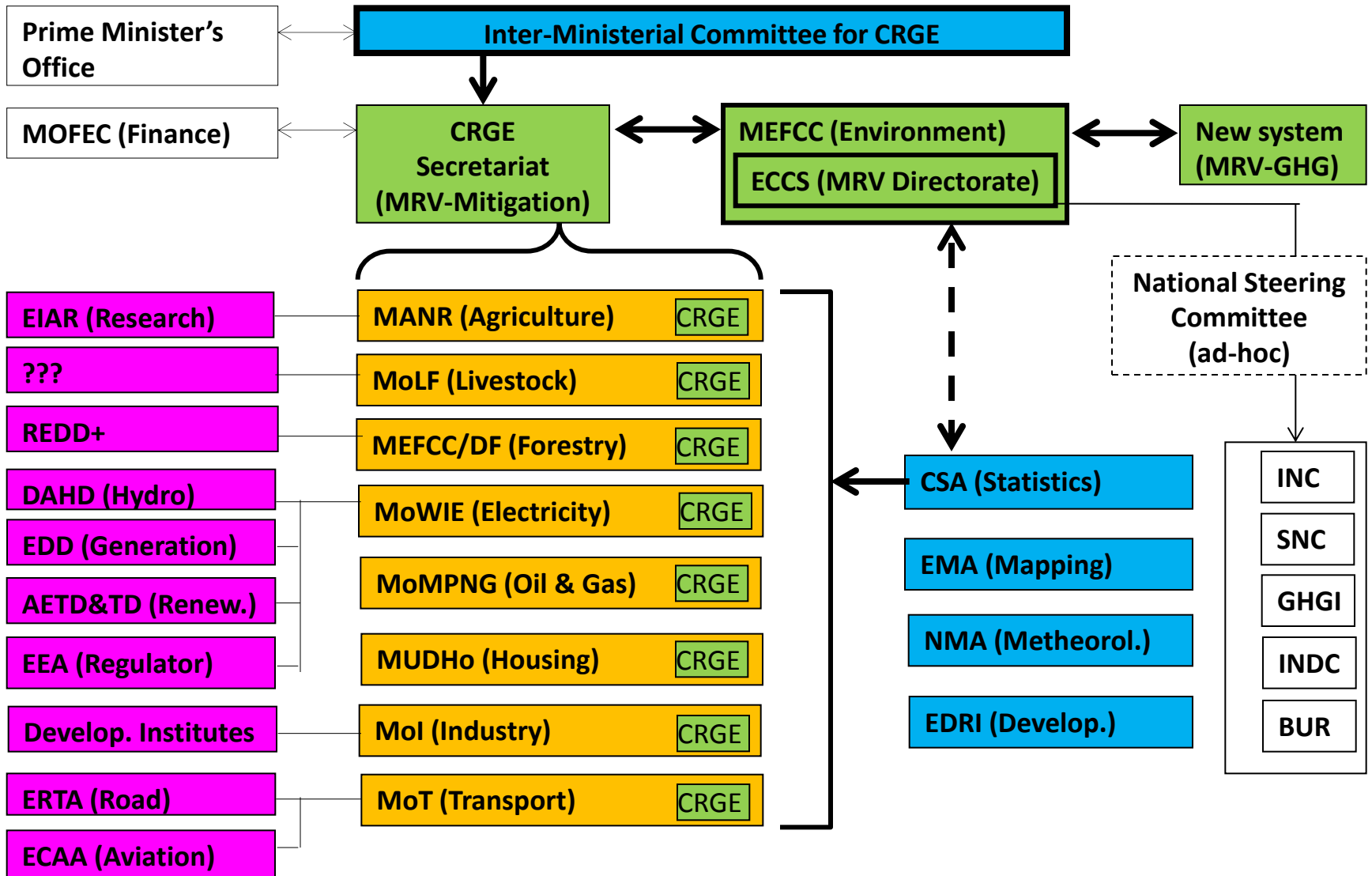
# South Africa



# South Africa's national MRV system



# Ethiopia's Climate MRV System



# Thank you!

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