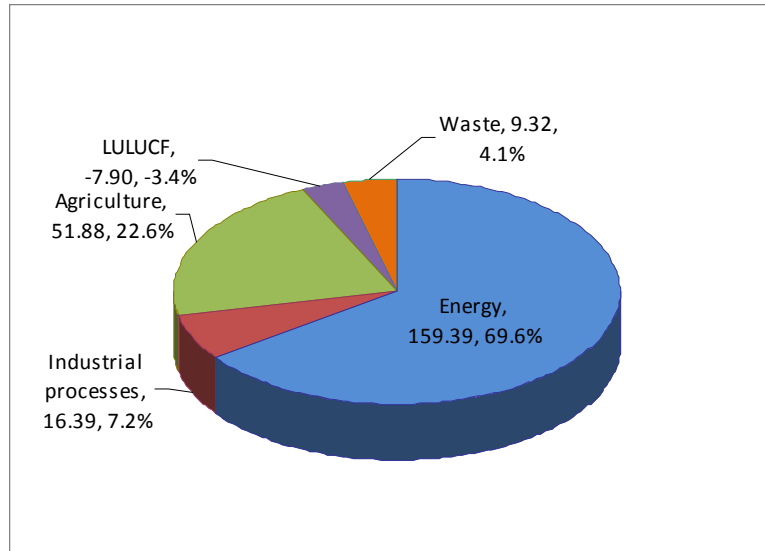




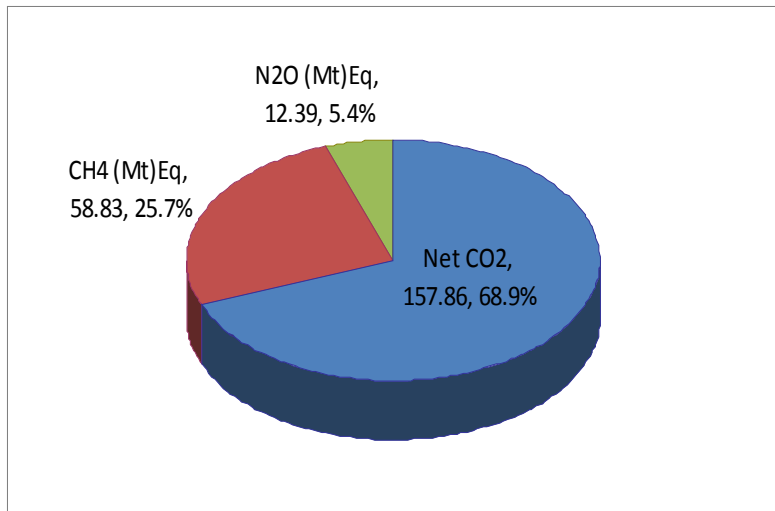
Thailand's GHG Activities and Future Plan

Chaiwat Muncharoen, D. Eng.
Deputy Executive Director
Thailand Greenhouse Gas Management
Organization (Public Organization)

Total Emission (included LULUCF) = 229.08 Mt CO₂ eq

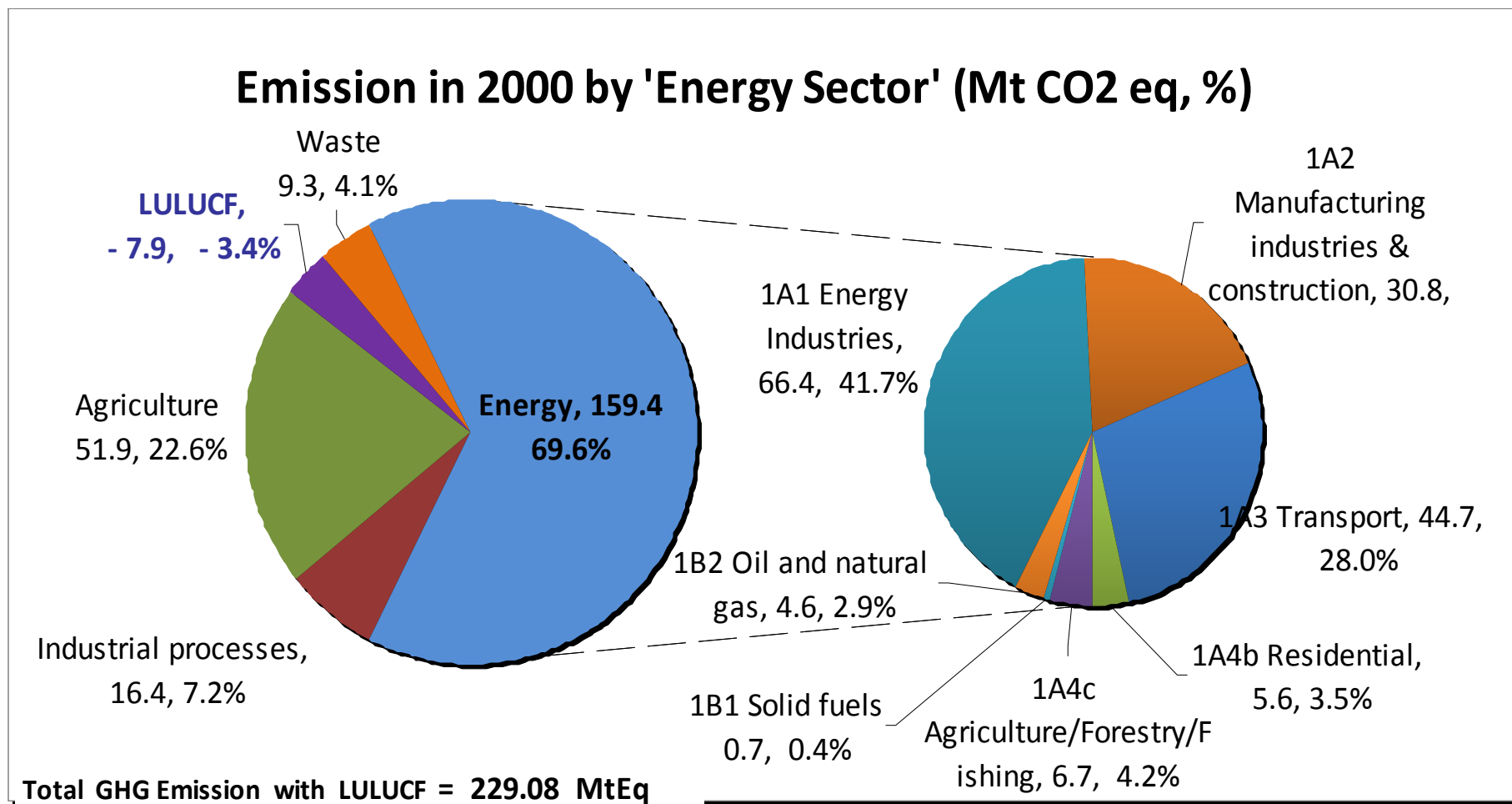


- GHG emission in 2000 (Mt CO₂ eq, %) - by sector



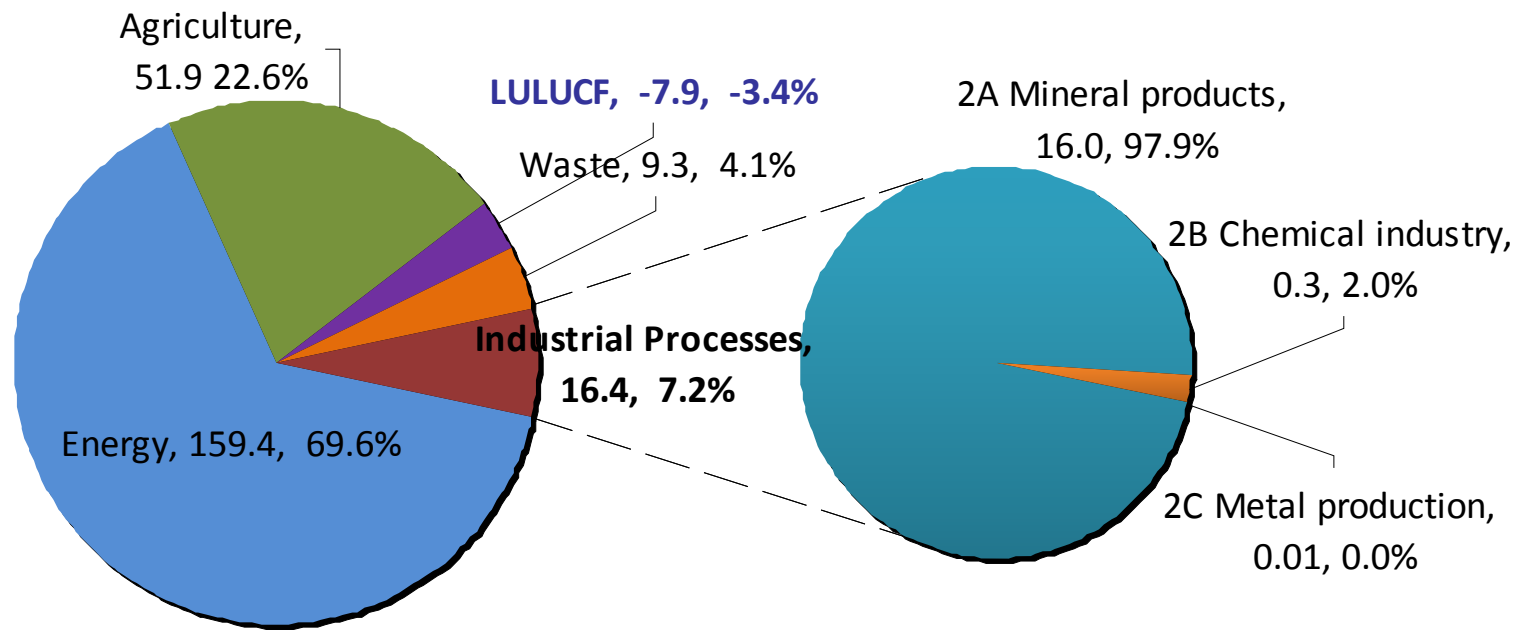
- GHG emission in 2000 (Mt CO₂ eq, %) - by Gas Type

Emission in 2000 of *Energy Sector* (Mt CO₂ eq, %)



Emission in 2000 of *Industrial Process* (Mt CO₂ eq, %)

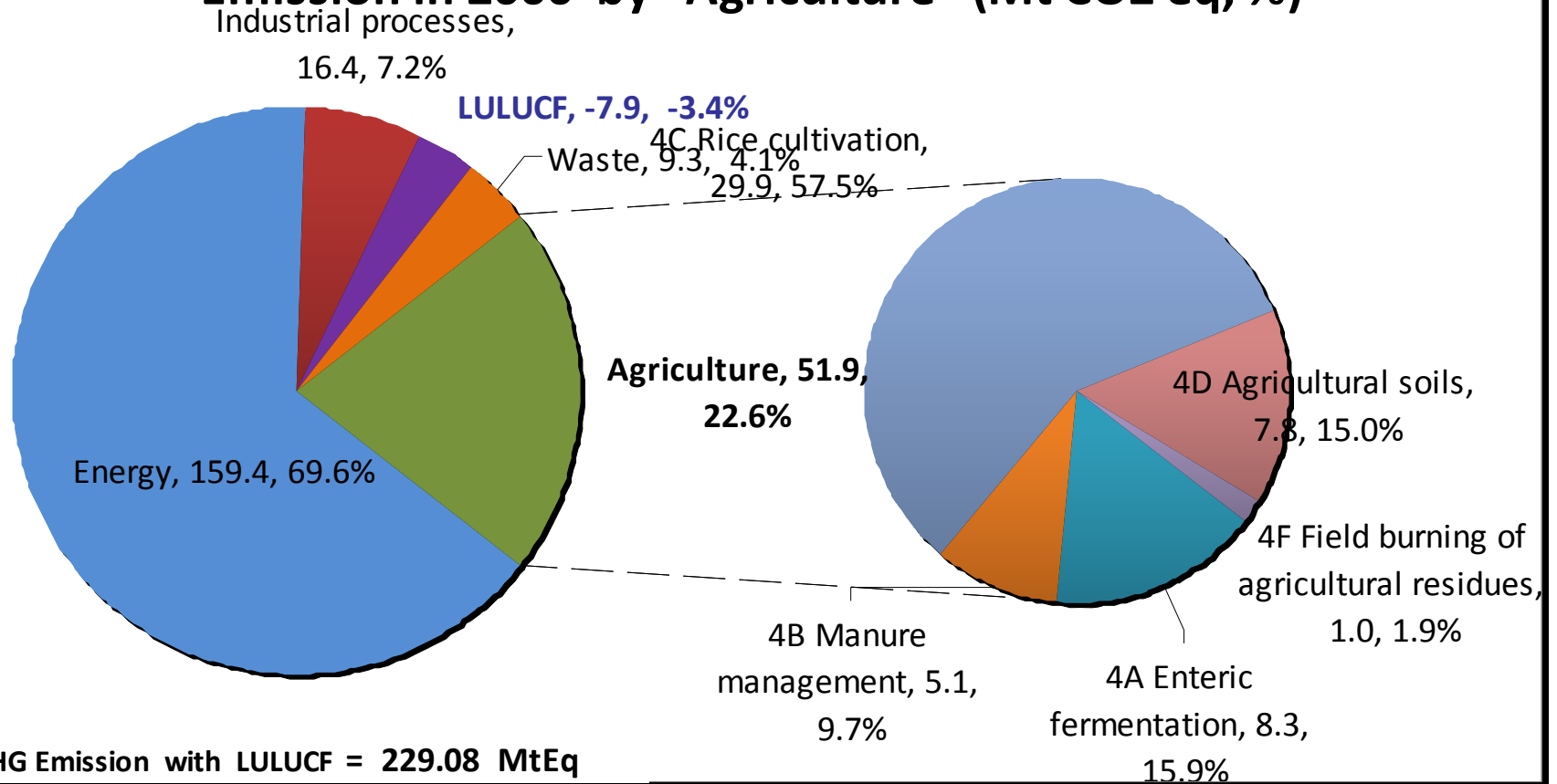
Emission in 2000 by 'Industrial Processes' (MtCO2eq, %)



Total GHG Emission with LULUCF = 229.08 MtEq

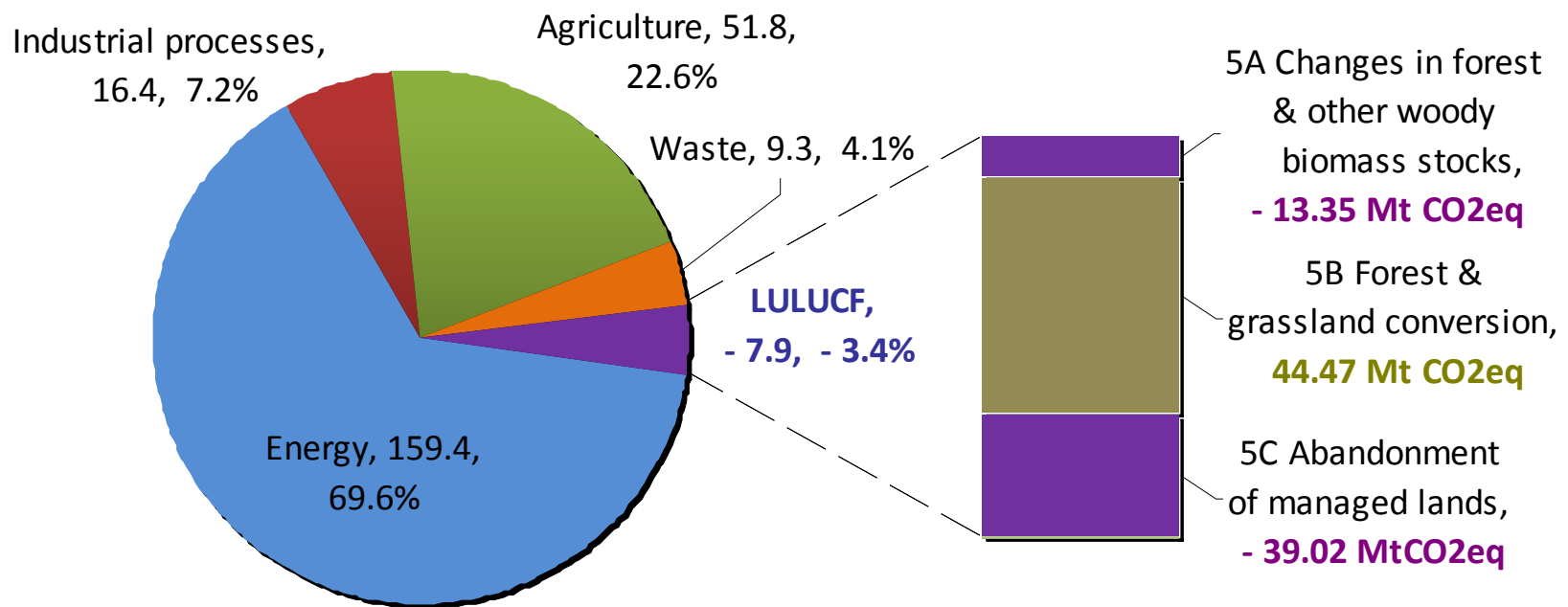
Emission in 2000 of *Agriculture* (Mt CO₂ eq, %)

Emission in 2000 by 'Agriculture' (Mt CO₂ eq, %)



Emission in 2000 of *LULUCF* (Mt CO₂ eq, %)

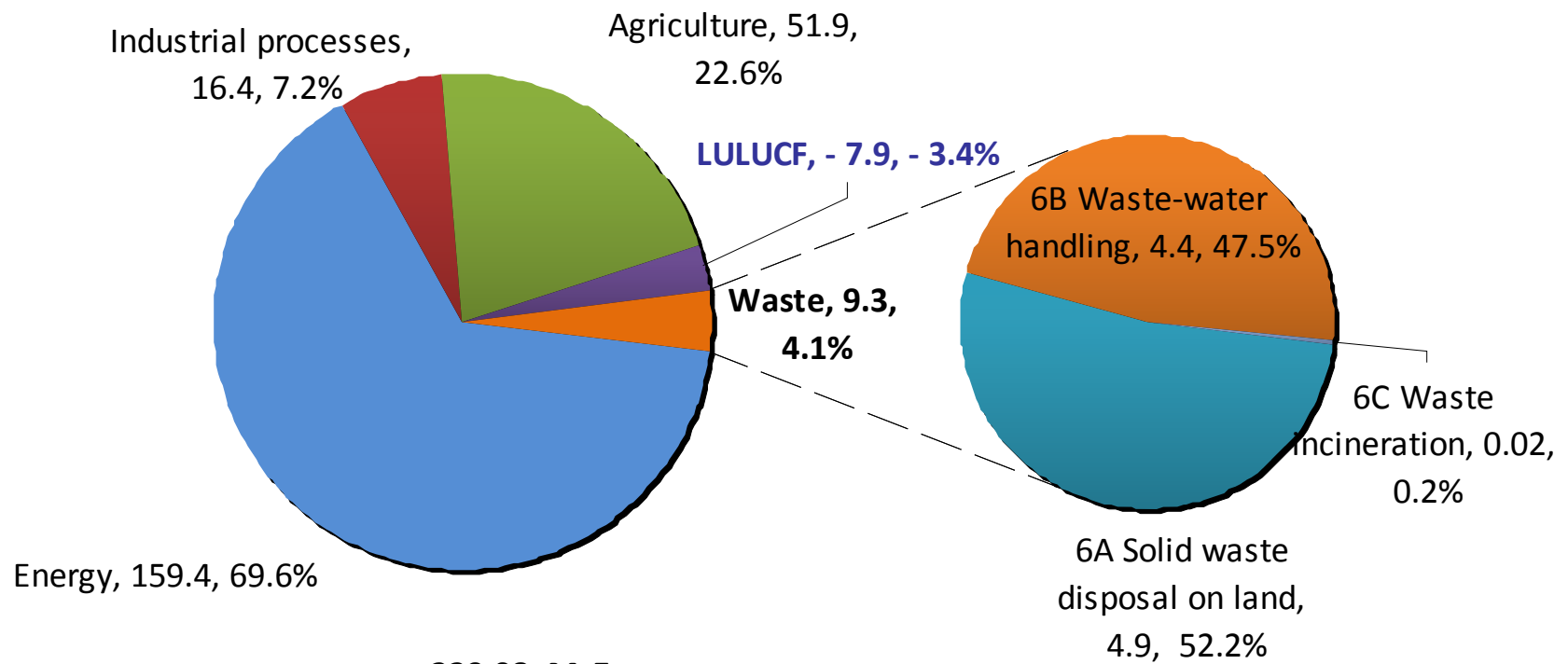
Emission in 2000 by 'LULUCF' (Mt CO₂ eq, %)



Total GHG Emission with LULUCF = 229.08 MtEq

Emission in 2000 of *Waste Sector* (Mt CO₂ eq, %)

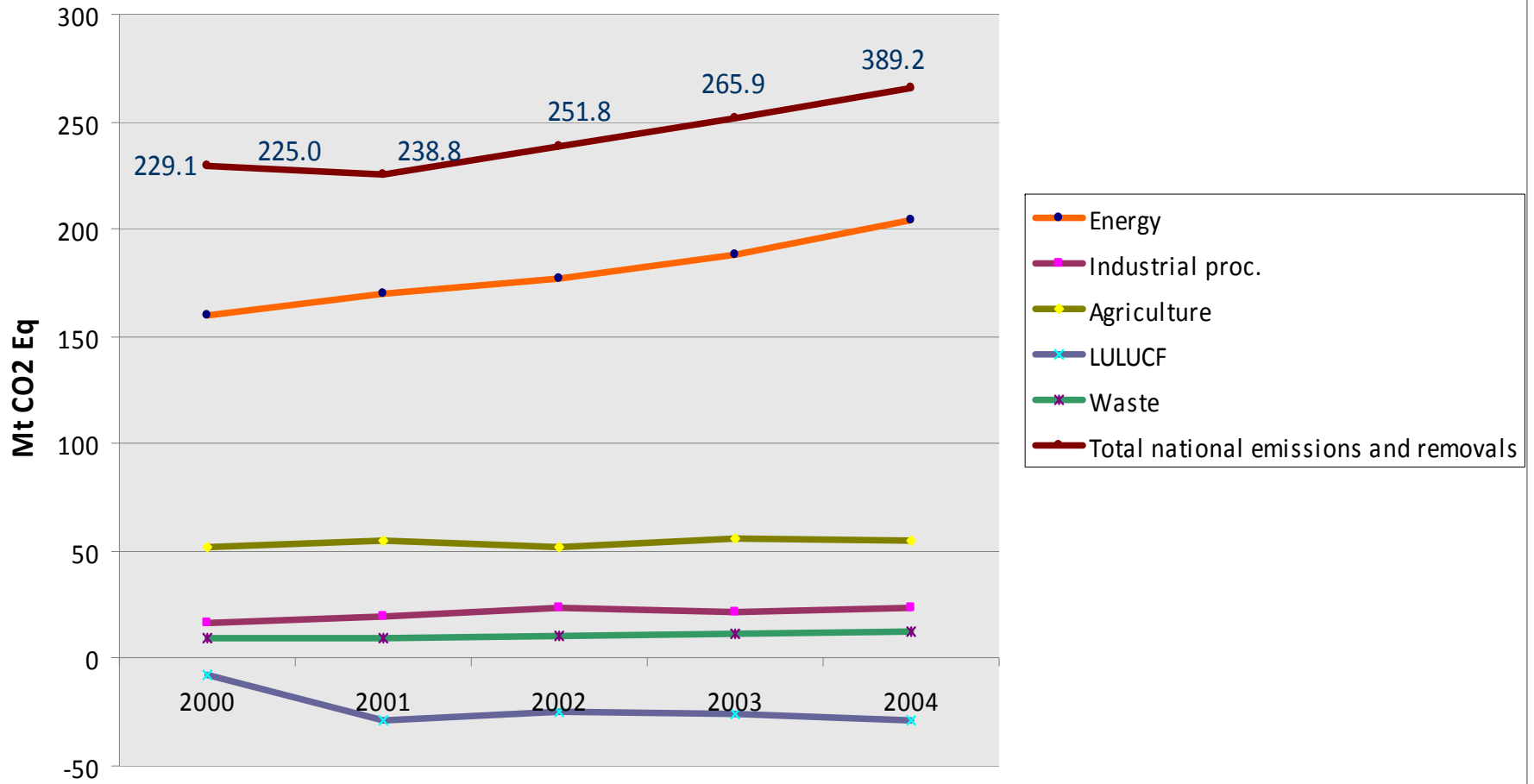
Emission in 2000 by 'Waste Sector' (Mt CO₂ eq, %)

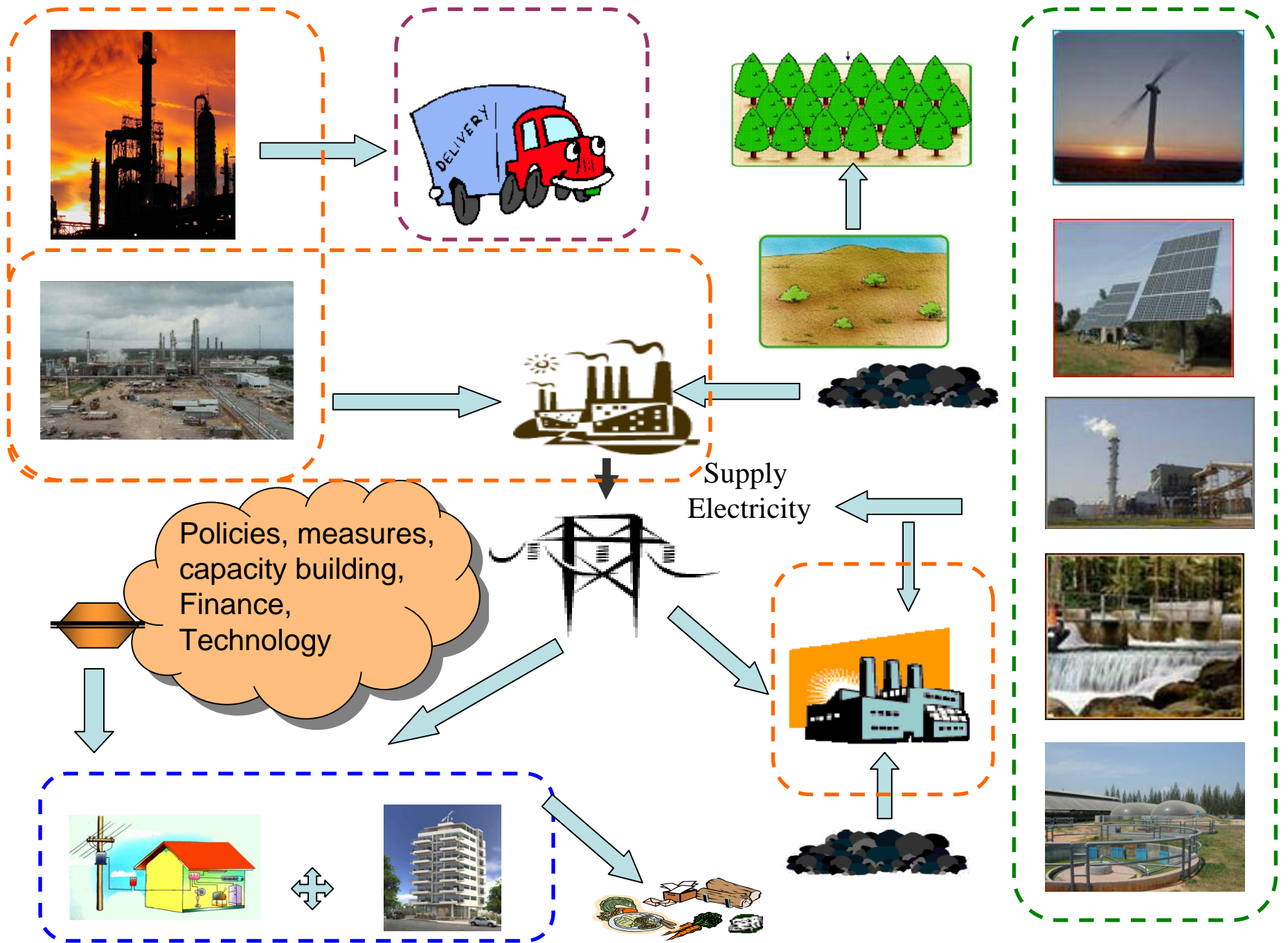


Total GHG Emission with LULUCF = 229.08 MtEq

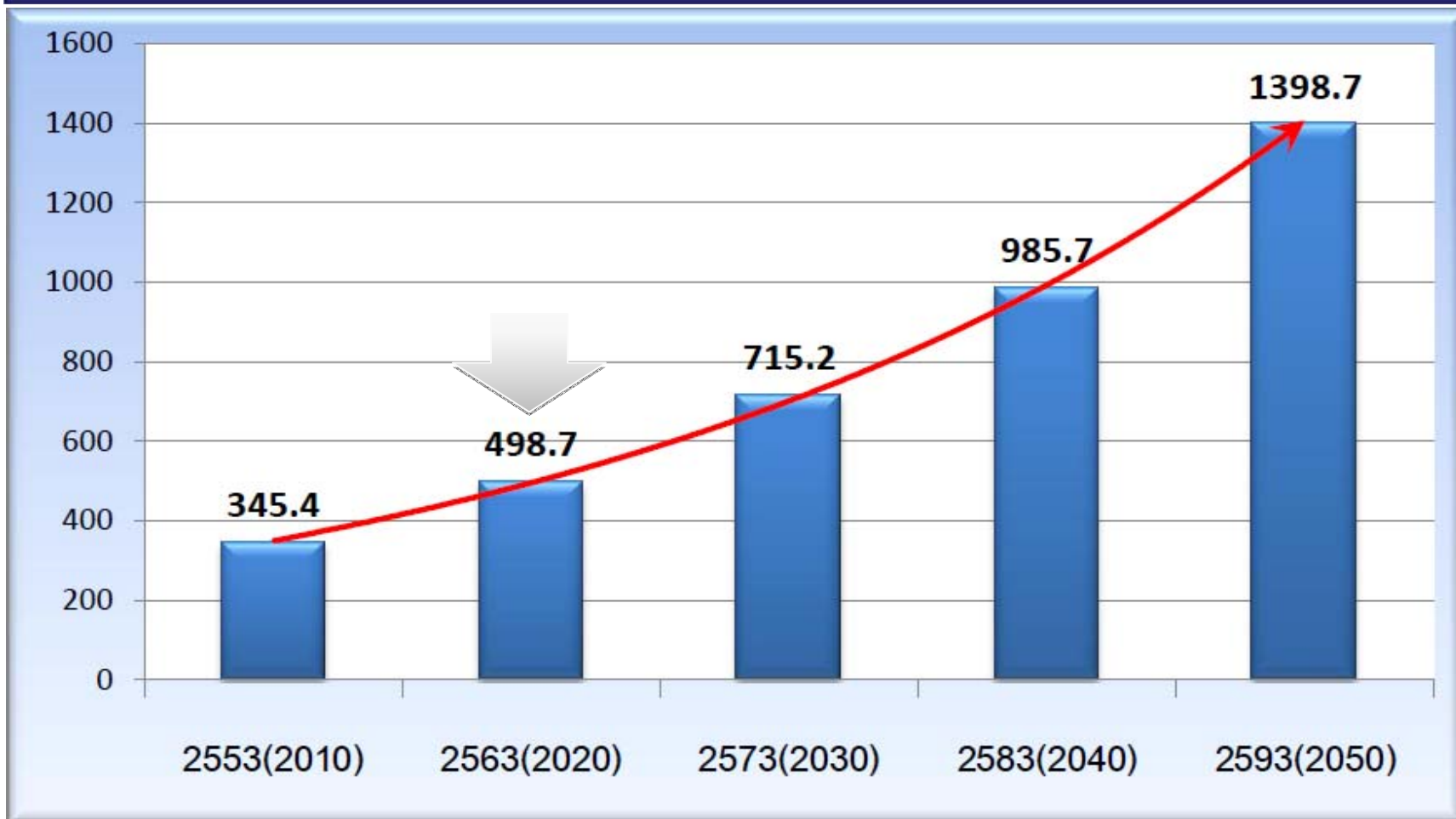
National Emission in Time Series 2000 – 2004

Total GHG Emission (Mt CO2 eq) with LULUCF / with F-gases





BAU Projection From 2010 to 2050 (MtCO_{2e})



Source: การศึกษาแนวทางการพัฒนาเพื่อจัดทำข้อมูลและแบบจำลองสำหรับ Emission Inventory ของประเทศไทย, 2553 (TGO)₁

Policy context: Domestic mitigation objectives and role of market instrument(s)

National Economic & Social Development Plan (NESDP)

The 10th NESDP 2007-2011

- Support CDM as “Market Instrument”
- Promote RE, EE and pollution control



Key national policies support :

- ✓ Mitigation
- ✓ Market Instruments & CDM
- ✓ Carbon Trading & Carbon Market

(Draft) The 11th NESDP 2012-2016

Currently under national consultations with proactive discussion on **setting up** :

- GHG mitigation target
- “Carbon Market” & more instruments
- National Registry & MRV system

MITIGATION OBJECTIVES: to achieve green growth, low carbon development and low carbon society

Specific Plan: National Strategic Plan on Climate Change 2008-2012

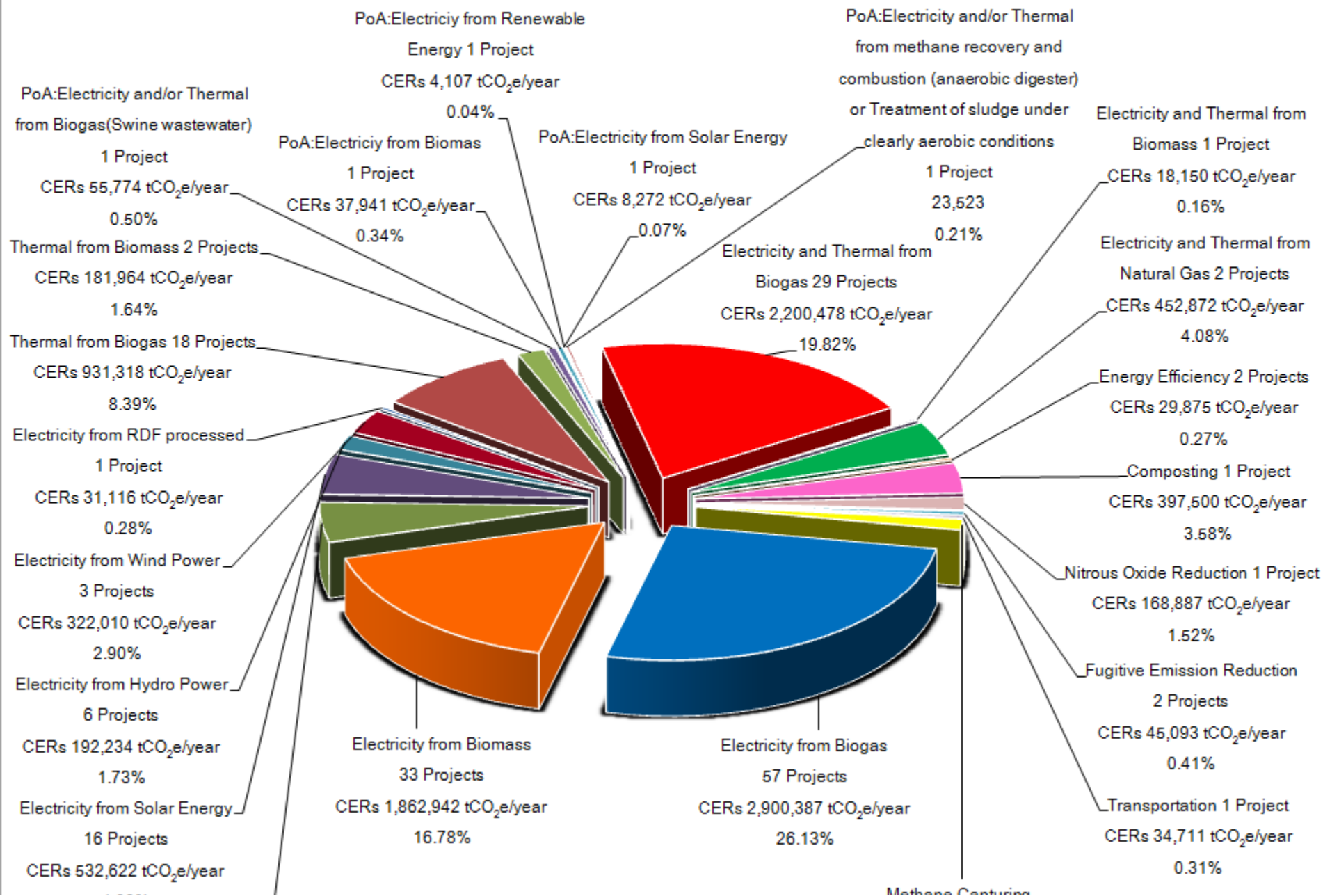
STRATEGY 2: Promote GHG Mitigation Activities based on Sustainable Development

- GHG mitigation in all sectors
- CDM as “Market Instrument”
- Carbon Trading process & rules set up

Specific Plan: Alternative Energy Development Plan (AEDP) 2012-2021 and Energy Conservation Plan (2010-2030)

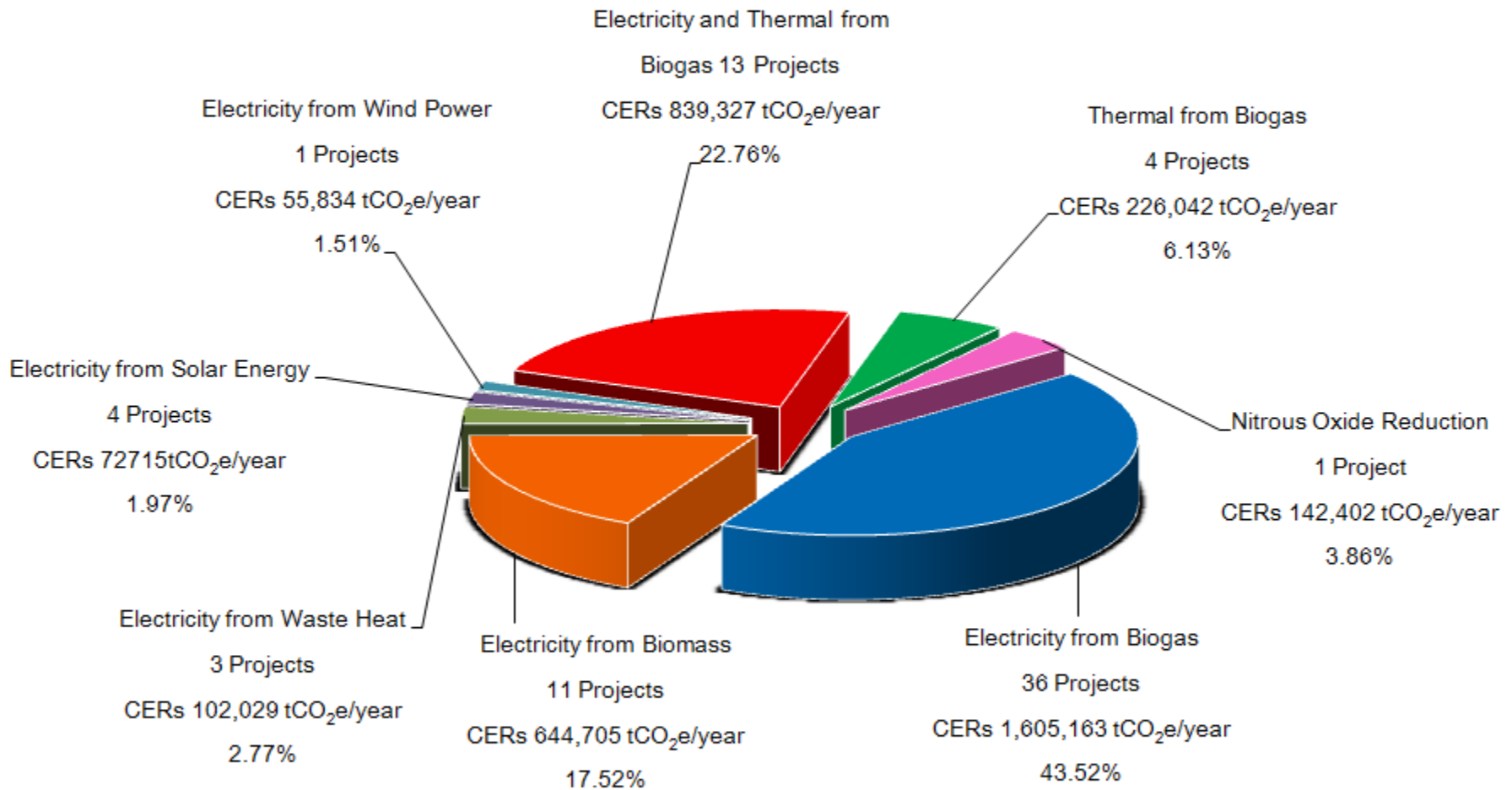
- Set targets to increase alternative energy to 25% of final energy consumption in 2021.
- Set targets to reduce Energy Intensity 25% from base year 2010 in 2030.

191 CDM Projects Received LoA



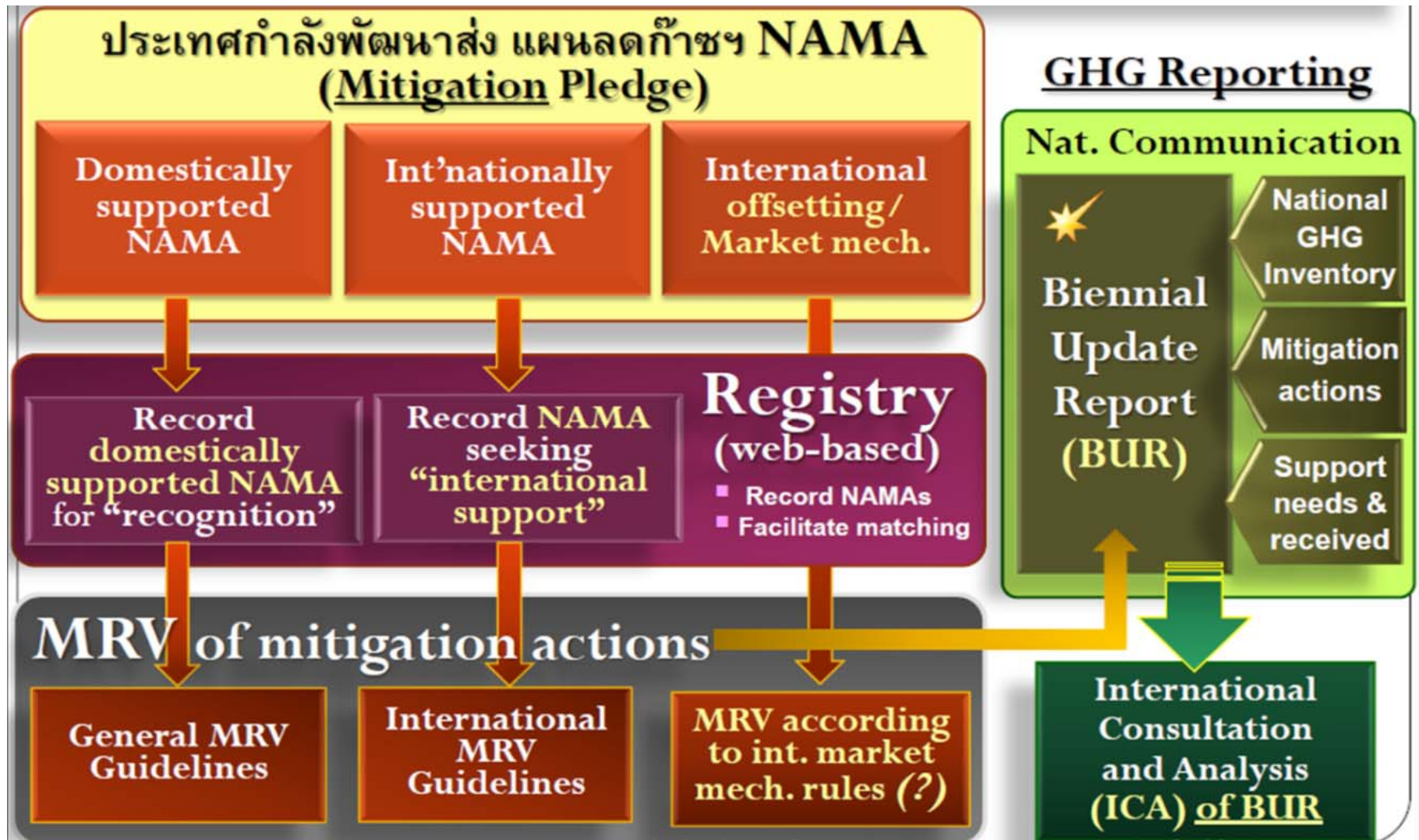
Methane Capturing

73 CDM Projects Registered at CDM EB

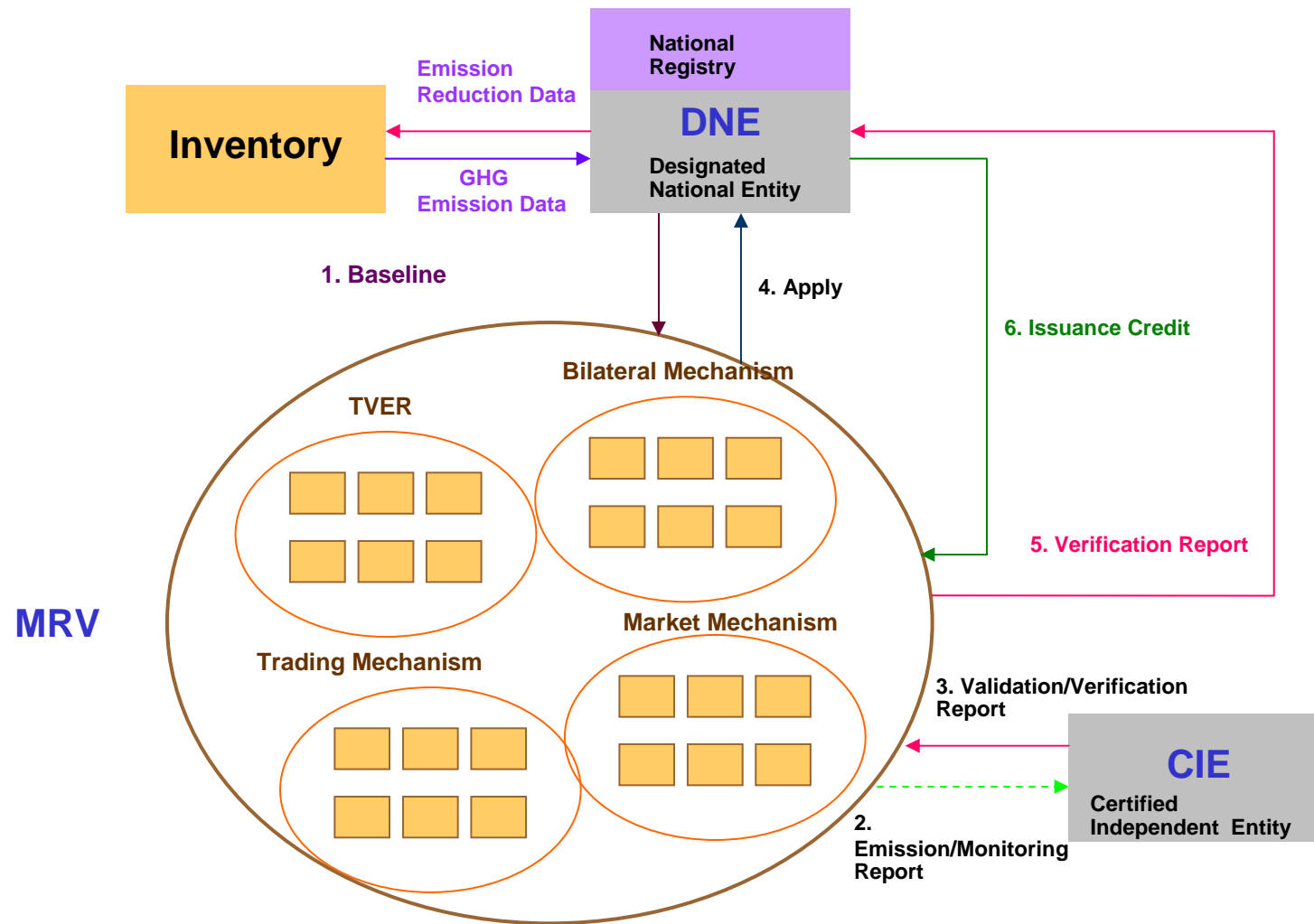


Biomass 17.48%

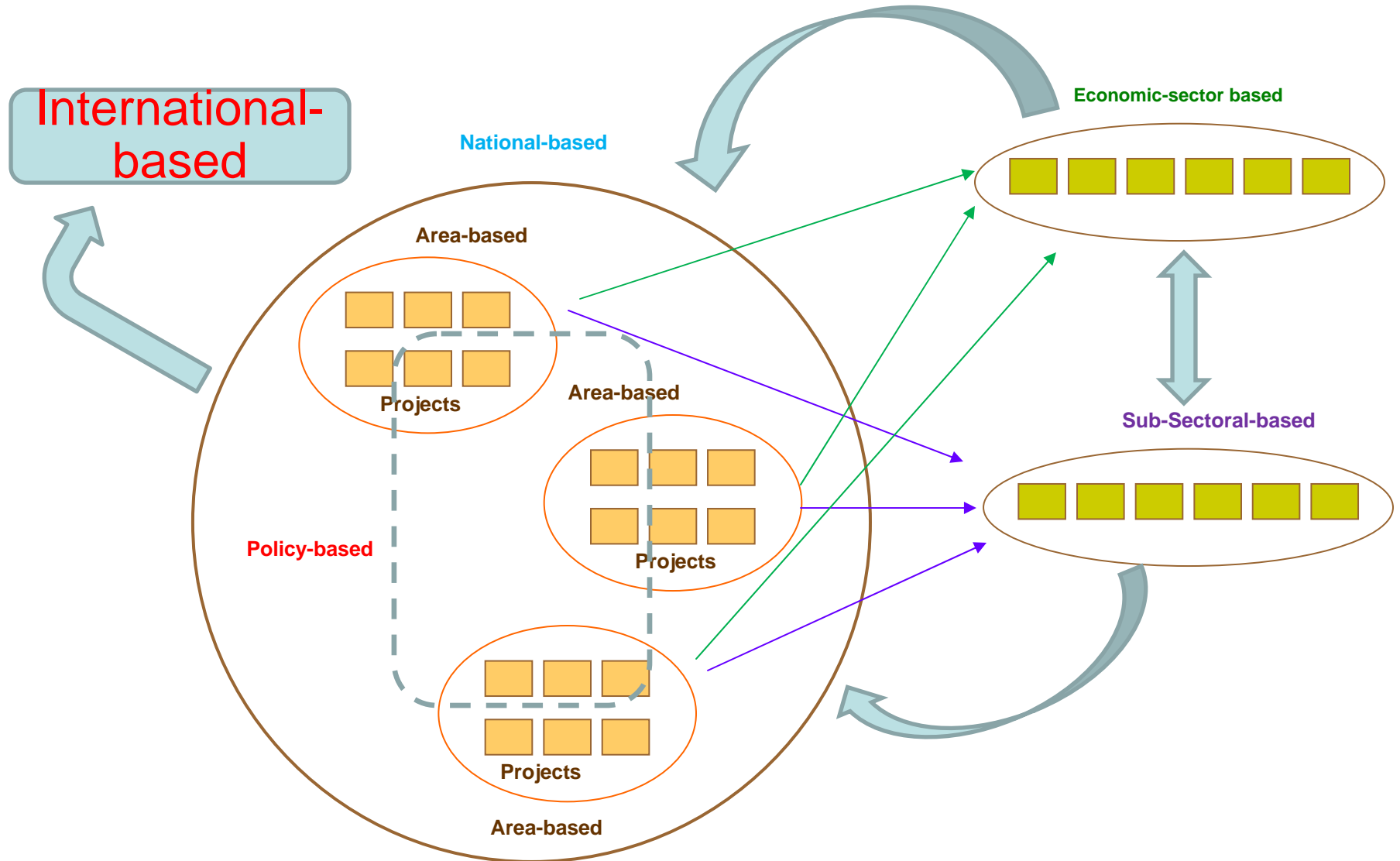
Future trend of climate change in international agreement



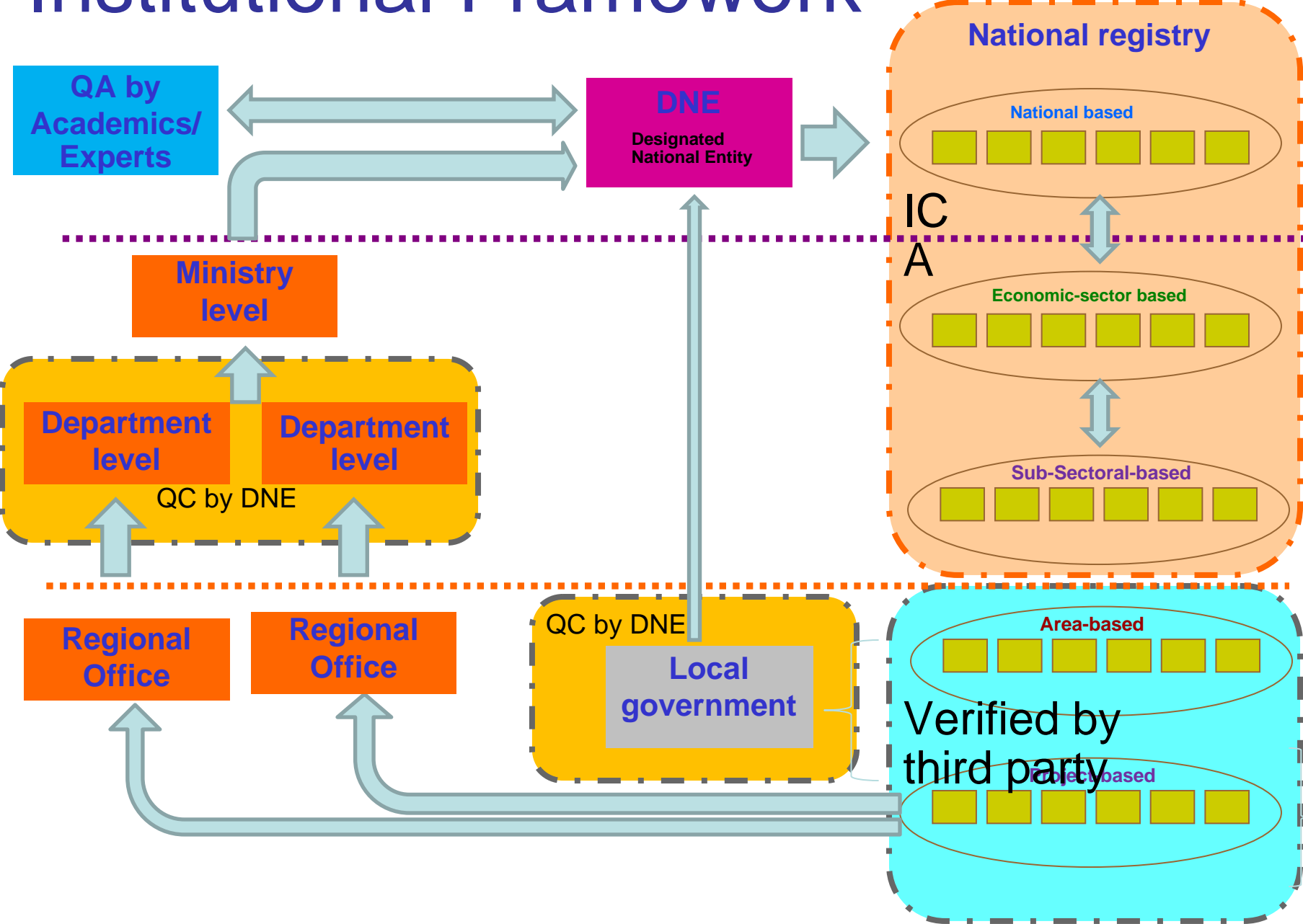
Institutional Framework for Flexible Market Mechanisms



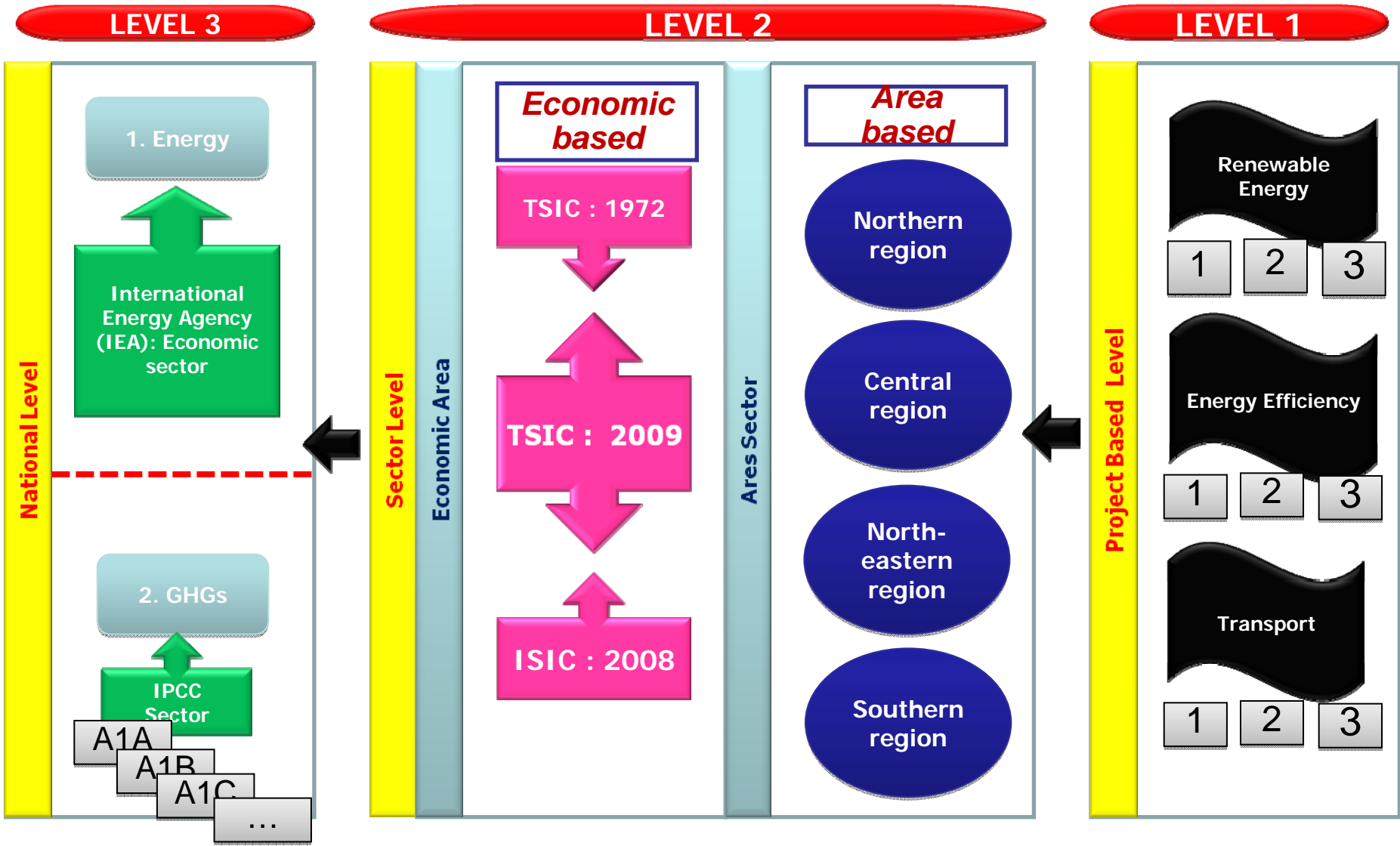
Methodology



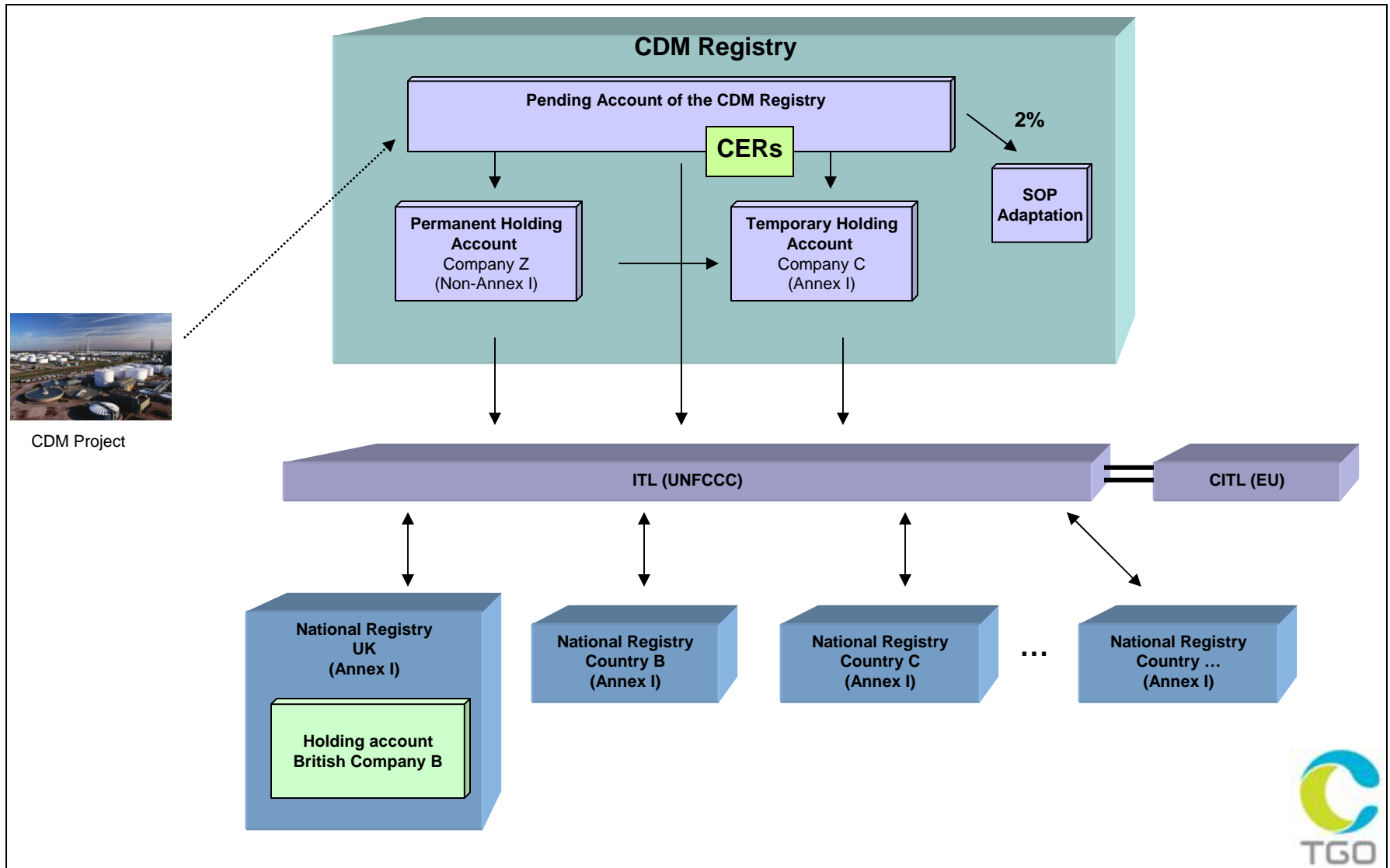
Institutional Framework



From Project based → Sector → National MRV



Establishment of national registry



Crown Standard

- **Crown Standard indicates high quality of Thai CDM Projects.**
- **Value added for Thai CERs.**
- **Criteria:**
 - Total Score > 50%
 - Public participation (level of participation)
 - Public contribution (from CER income)
- **The project will be annually monitored by TGO's monitoring network.**
- **Collaboration with VCS and Gold Standard**



Information

- National Registry
- **Monitoring System and Monitoring Network**
- **GHG database**
- **Business Intelligence Tools**
- **New TGO website**
- **National Grid Emission Factor, Standardized Baseline, Bench marking**
- **Mitigation Policy and Modeling**

Promotion

- Carbon Market Forum
- **Carbon Footprint and labeling**
- **Cool Mode**
- **Set up of Thailand Carbon Fund**
- **Energy Efficiency Standard and Labeling**
- **Tax incentive and other measures**
- **Pilot project on Low carbon city**
- **Pilot project on A/R CDM**

Capacity Building and Outreach

- **Climate Change International Training Center**
- **Training for Thai DOE candidates**
- Training for other stakeholders
- **Climate Thailand Conference**
- **Training material, media, news letter**

Contact Detail

Thailand Greenhouse Gas Management Organization
(Public Organization)

9th floor, The Government Complex Building B

120 Moo 3 ChaengWattana Road,

Laksi, Bangkok 10210 THAILAND

Tel. +662 141 9804

Fax +662 143 8401

E-mail: info@tgo.or.th

chaiwat.m@tgo.or.th

URL: www.tgo.or.th



Thank you for your attention

