



# Thailand's policies on climate change and establishment of the Climate Change International Technical and Training Center (CITC)

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**Thailand Greenhouse Gas Management Organization (TGO)  
Under the Ministry of Natural Resources and Environment  
the Royal Thai Government**

17<sup>th</sup> May 2013



# Overview of Thailand's policies related to climate change



# Overview of Thailand Policies on Climate Change

**National Policy Framework**

The 11<sup>th</sup> National Economic and Social Development Plan  
2012-2016

Government Policy of the Prime Minister  
H.E. Ms. Yingluck Shinawatra

**National Plans on Environment & Climate Change**

Ministry of Natural Resources and Environment (MoNRE)

National Strategic Plan on Climate Change  
2008-2012

National Environmental Quality Management Plan  
2012-2016

*Draft* National Master Plan on Climate Change  
2011-2050

**National Sectoral Plans**

Ministry of Energy

Energy Efficiency Plan  
2010- 2030

Renewable Energy Development Plan  
2008 - 2022

Ministry of Transport

National Transport Master Plan  
2011- 2020

Ministry of Industry

National Industrial Development Master Plan  
2010- 2014

Ministry of Agriculture and Cooperative

*Draft* Strategic Plan on Climate Change in the Agricultural Sector

# National Framework Policy

## 1. The 11<sup>th</sup> National Economic and Social Development Plan 2012-2016

**Strategy:** Managing natural resources and environment towards sustainability

### Key Measures

- **Shift the development paradigm and consumption behaviors** towards the environmentally-friendly society & low carbon economy
- **Improving ecological efficiency of the production and services** towards the environmentally friendly society
- **Reinforce urban environment** and infrastructure management
- **Establish the Voluntary Domestic Carbon Market**

# National Framework Policy

## 2. Government Policy of the Prime Minister

H.E. Ms. Yingluck Shinawatra

### Key Measures

- **Reducing resource use, and lowering greenhouse gas emissions** in accordance with the principle of reduce, reuse and recycle
- **Develop towns or eco-industrial towns** to become a **low-carbon society**
- **Support the production, use, R&D of renewable and alternative energy sources**, with the objective of replacing 25% of the energy generated by fossil fuels within the next decade
- **Promote energy conservation** through reduction of power usage in the production process by 25 % within the next two decades

# National Environmental & Climate Change Plans

## 3. National Strategic Plan on Climate Change 2008 – 2012

### Strategy on Mitigation

#### Key measures:

- **Reducing** GHG emission based on sustainable development by means of CDM implementation. Priority is given to **energy sector, waste utilization, agricultural activities, and industries.**
- **Increasing** forest area by afforestation.
- **Increasing** activities to **promote clean and low carbon technology**

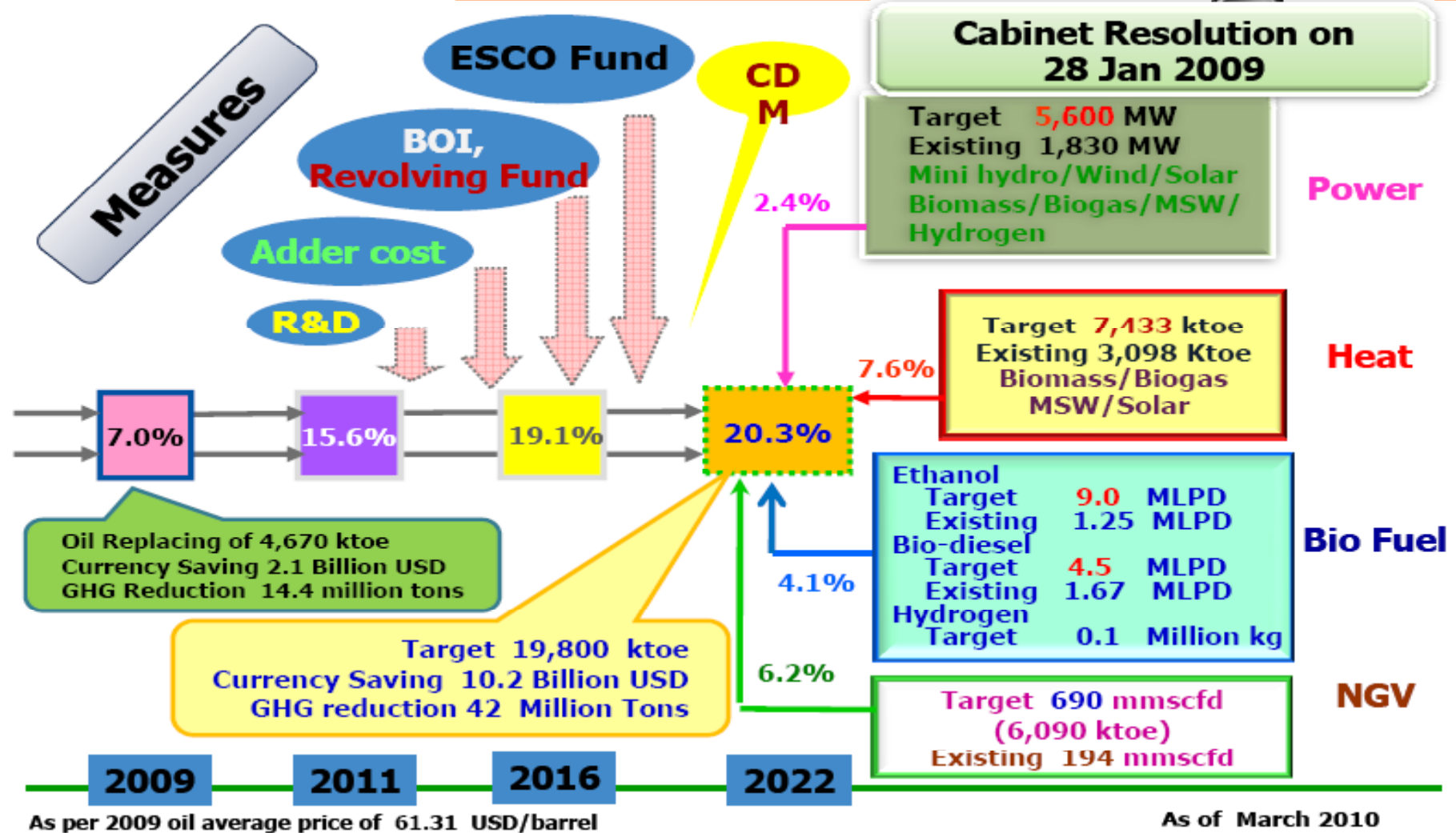
# National Sectoral Plans

## 4. Renewable Energy Development Plan 2008-2022

Department of Alternative Energy Development and Efficiency  
MINISTRY OF ENERGY

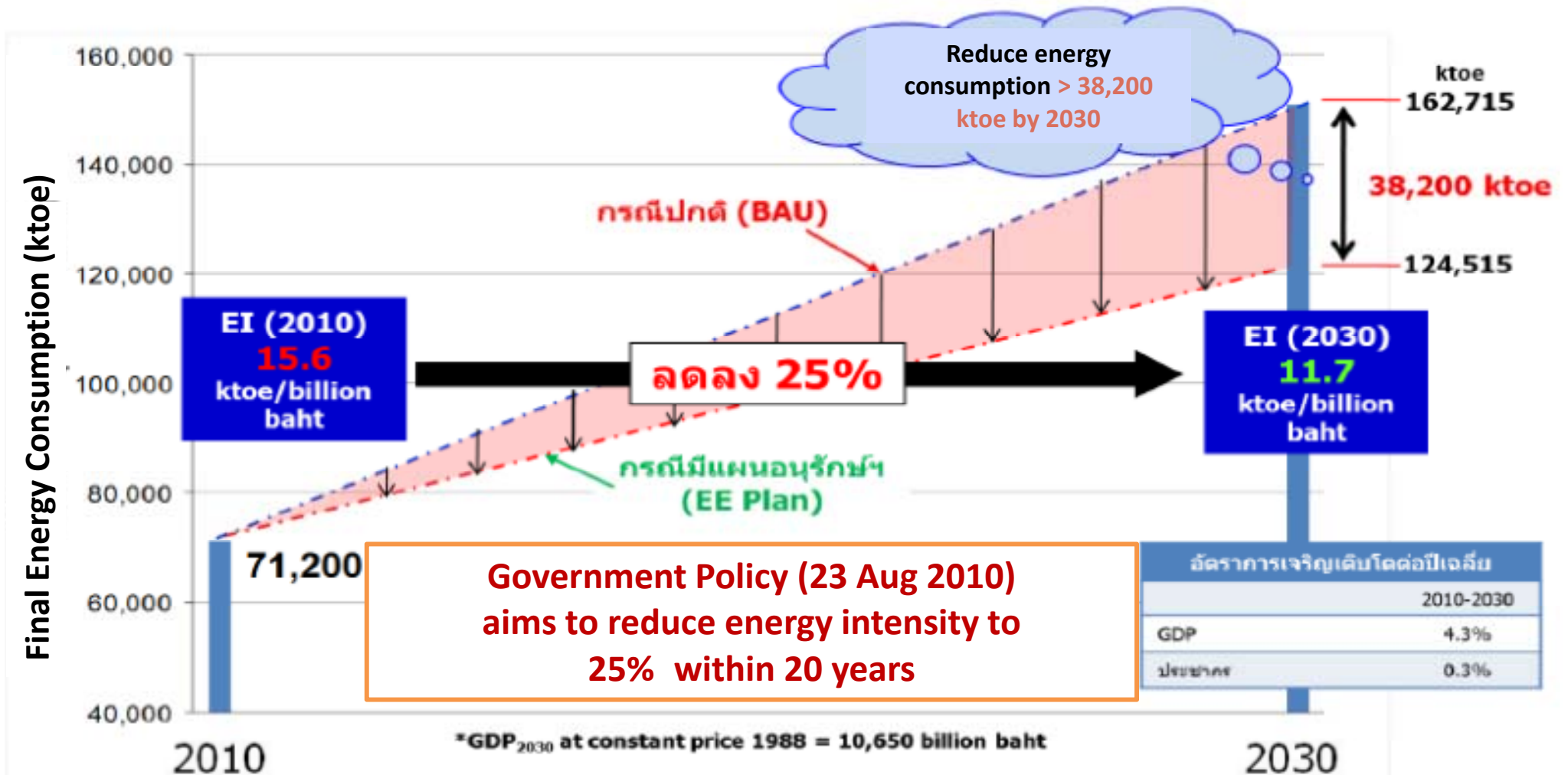
### Alternative Energy Development Plan 2008-2022

7



# National Sectoral Plans

## 5. Energy Efficiency Plan 2010-2030 (20 Years Plan)





# Institutional Arrangements on Climate Change



**Ministry of Natural Resources and Environment (MNRE)**



**Office of Natural Resources and Environmental Policy and Planning (ONEP)**

**-National Focal Point of UNFCCC**



**Thailand Greenhouse Gas Management Organization (Public Organization) (TGO)**

- Established in 2007**
- Implementing agency to promote GHG mitigation & GHG Information Center**

# Background & Justification

United Nations Framework Convention on Climate Change (UNFCCC)

“Stabilize greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system”

The ASEAN Community (AC) Roadmap

Work towards achieving sustainable development as well as promoting clean and green environment for the ASEAN region

The 11<sup>th</sup> National Economic and Social Development Plan

- Paradigm shift to green and low carbon society
- Capacity building on adaptation to reduce vulnerabilities to CC impact
- Develop the database and registry system of GHG emissions, and carbon market
- Establish carbon fund and promote carbon market
- Develop Thailand MRV system
- Promote the carbon label and carbon footprint

Government Policy of the Prime Minister H.E. Ms.Yingluck Shinawatra

- Promote CDM and recognize global warming issues in manufacturing, transportation and residential sectors.
- Increase RE share in the industrial sector using revenue from trading carbon credits as an incentive.
- Promote urban development and reduce GHG emissions with an aim to become a low carbon society.

Ministry of Natural Resources and Environment

Guide the society towards low carbon, and sustainable social and economic development

Ministry's Flagship Project

Climate Change International Technical and Training Center (CITC)

# GHG Mitigation Capacity Building Activities

TGO provides capacity building and awareness raising activities on climate change to Thai society i.e.

- GHG mitigation training programs
- Public events
- Guidebooks, Media



**Climate Thailand Conference 2010 and 2011**



**Trainings and workshops**



**Climate change channel (on Youtube)**

# GHG Mitigation Capacity Building Activities

International cooperation on capacity development programs on GHG mitigation issue i.e. JICA, IGES, NIES, GIZ, USAID, EU,



## Phase I

**Capacity Development and Institutional Strengthening for GHG Mitigation in the Kingdom of Thailand**

2009 - 2010



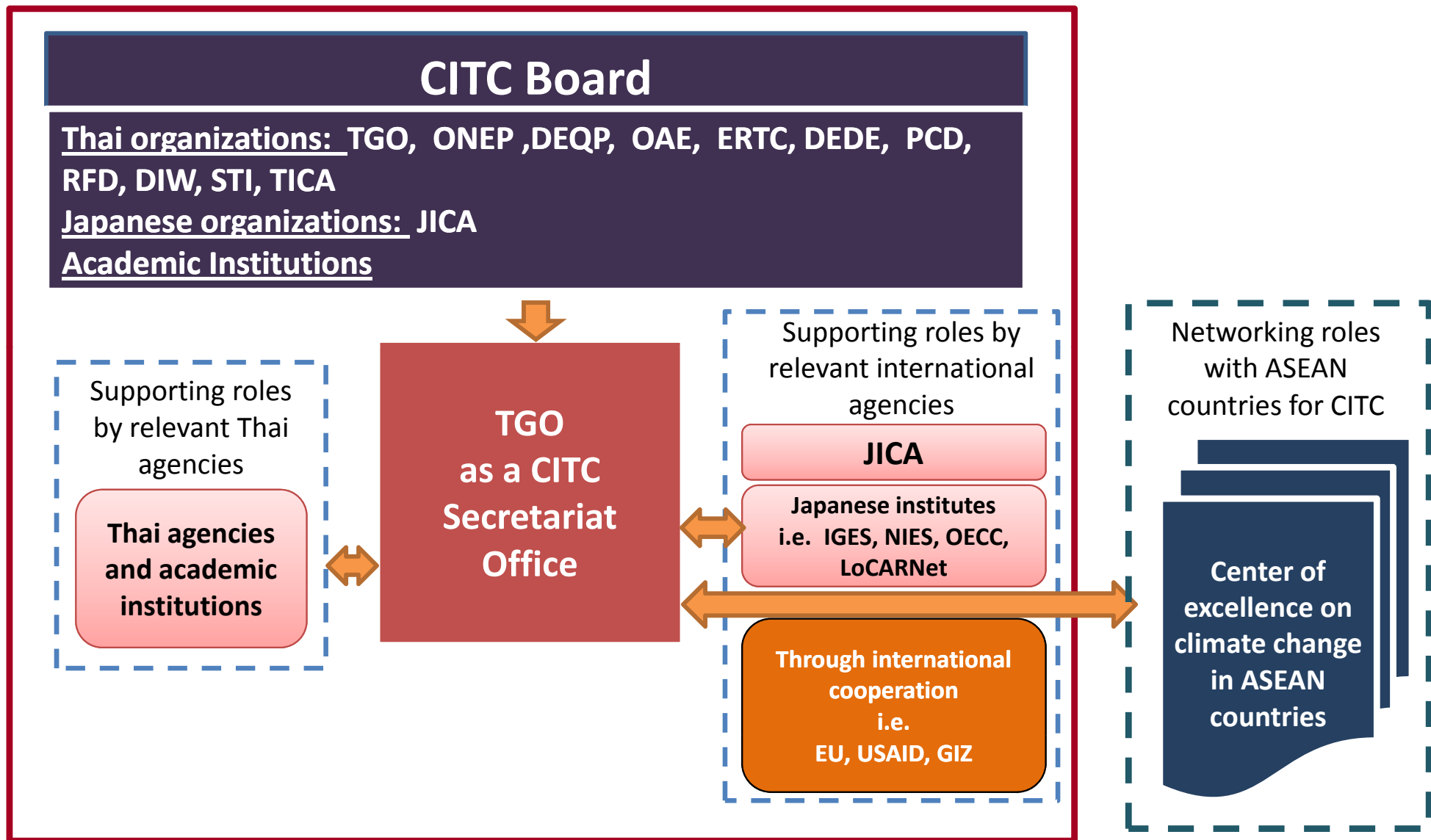
## Phase II

**Climate Change International Technical and Training Center (CITC)**

2013 - 2015



# Conceptual Institutional Framework



# Objectives of the CITC

- To establish a technical and training center for sharing knowledge and information on climate change
- To strengthen networking on climate change among regional and international experts, government agencies, academia, local authorities and relevant stakeholders

Current status : At a designing stage

1. Develop training programmes

2. Develop E-learning system

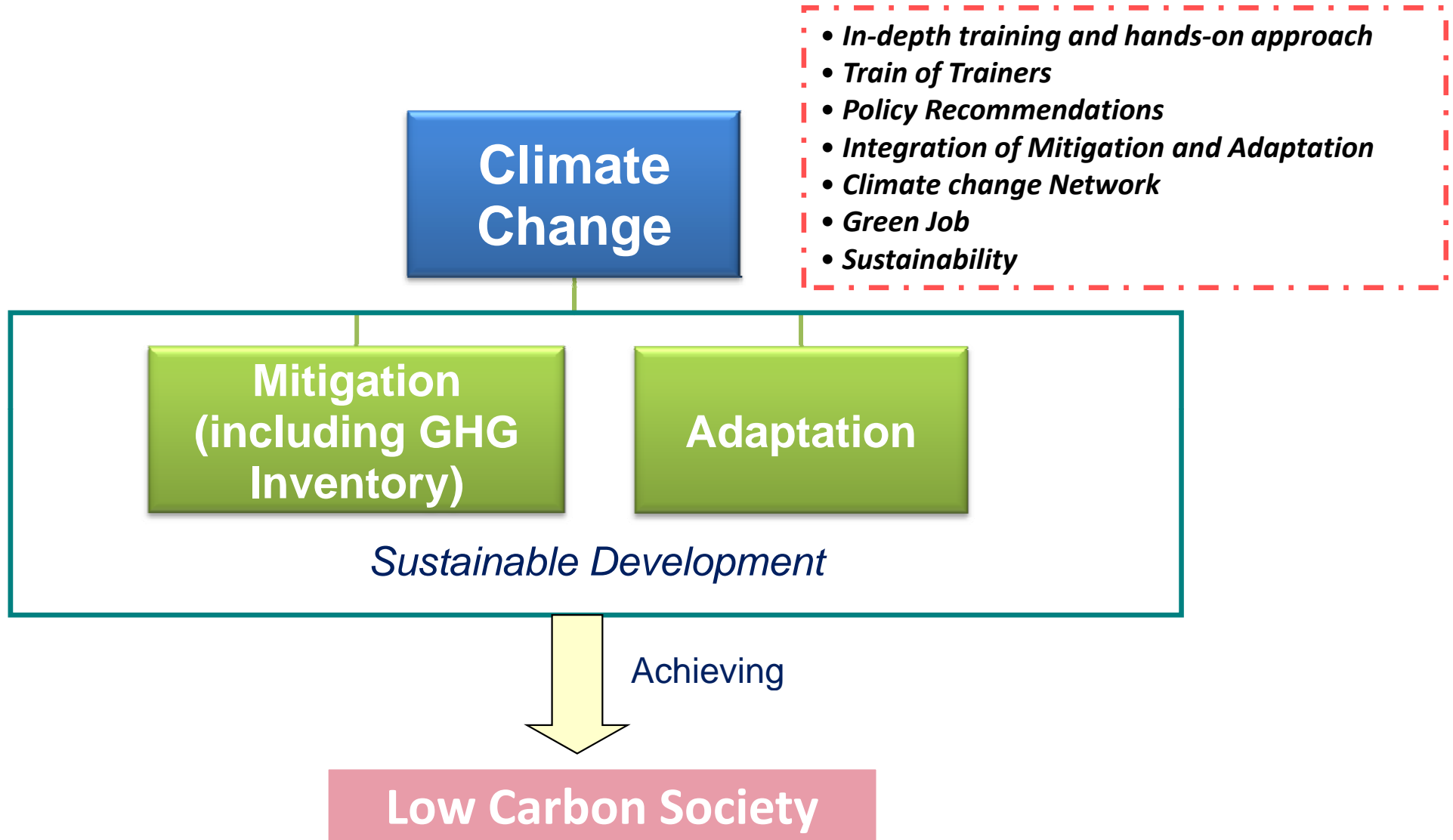
3. Create a web-based knowledge hub

4. Building climate change network

<http://www.citc.in.th>



# CITC Concept



***Carbon Reduction, Good Quality of Life, Environmental Friendly***

**Development objective**

An appropriated adoption of CC management responding to CC policy implementation in Thailand and ASEAN

**Immediate objectives**

Establishing CITC as a training center and networking platform on CC for Thailand, ASEAN and other interested countries

**Outputs**

| 1  | 2   | 3  | 4   | 5   | 6   | 7  |
|--|---|--|---|---|---|--|
| <ul style="list-style-type: none"> <li>• CITC is set up</li> </ul> | <ul style="list-style-type: none"> <li>• Curriculums</li> <li>• Training materials</li> <li>• Training Tools</li> </ul> | <ul style="list-style-type: none"> <li>• Training courses</li> <li>• Developed trainers</li> <li>• Action plans</li> </ul> | <ul style="list-style-type: none"> <li>• E-learning System</li> </ul> | <ul style="list-style-type: none"> <li>• CC network</li> <li>• Policy recommendation</li> </ul> | <ul style="list-style-type: none"> <li>• CITC website as a resource pool on CC for Th. And ASEAN</li> </ul> | <ul style="list-style-type: none"> <li>• PR activities</li> <li>• Promotional materials</li> </ul> |

**Activities**

| 1   | 2   | 3  | 4  | 5  | 6   | 7  |
|---|---|--|--|--|---|--|
| <ul style="list-style-type: none"> <li>• Institutional arrangement</li> </ul> | <ul style="list-style-type: none"> <li>• Curriculum development on climate change for Thailand and ASEAN</li> </ul> | <ul style="list-style-type: none"> <li>• Training provision (basic, advance and specific courses)</li> </ul> | <ul style="list-style-type: none"> <li>• Development of E-learning System</li> </ul> | <ul style="list-style-type: none"> <li>• Development of CC network in Th. and ASEAN</li> </ul> | <ul style="list-style-type: none"> <li>• CC Knowledge management</li> </ul> | <ul style="list-style-type: none"> <li>• Public relations and knowledge dissemination on CC</li> </ul> |

**Inputs**

- Financial support
  - TGO & JICA budget
  - In kind support
- Human resources



# Work Plan (5 years)

| No. | Activities  | Year |      |      |      |      |
|-----|---|------|------|------|------|------|
|     |   | 2013 | 2014 | 2015 | 2016 | 2017 |
| 1   | Institutional arrangement for CITC                              | ←    |      |      |      | →    |
| 2   | Curriculum development on climate change for Thailand and ASEAN | ←    |      |      |      | →    |
| 3   | Training Provision  |      |      | ←    |      | →    |
| 4   | Development of E-learning system                                |      | ←    |      |      | →    |
| 5   | Development of climate change network in Thailand and in ASEAN  |      | ←    |      |      | →    |
| 6   | Climate change knowledge management                             | ←    |      |      |      | →    |
| 7   | Public relations and knowledge dissemination on climate change  | ←    |      |      |      | →    |

## TGO KEY STRATEGIES

### GHG Inventory

- **Sectoral Based**
  - Govt Implementer
    - Thai (TH)
    - ASEAN (Eng)
  - Private Agency
    - Thai (TH)
    - ASEAN (Eng)
  - **Local Based (Area Based)**
    - Central Implementer
      - Thai (TH)
      - ASEAN (Eng)
    - Local Practitioners
      - Thai (TH)
      - ASEAN (Eng)

### Low Carbon Development

- **Central Govt + ASEAN (Eng)**
  - Policy Makers
  - Implementers
- **Local Govt (TH)**
  - Local Leaders
  - Local Practitioners
- **Local ASEAN Govt (Eng)**
  - Local Leaders
  - Local Practitioners

### GHG Mitigation

- **General Mitigation**
  - General Public
    - Thai (TH)
    - ASEAN (Eng)
- **Mitigation Project Developers**
  - General Public
    - Thai (TH)
    - ASEAN (Eng)
- **Mitigation Project Verifiers**
  - General Public
    - ASEAN (Eng)
- **Corporate Carbon Footprint**
  - General Public
    - Thai (TH)
    - ASEAN (Eng)

# Curriculum Development Timeline

2014

- **Low Carbon Development**
- **Central Govt + ASEAN (Eng)**
  - Policy Makers
  - Implementers
- **Local Govt (TH)**
  - Local Leaders
  - Local Practitioners
- **Local ASEAN Govt (Eng)**
  - Local Leaders
  - Local Practitioners

- **General Mitigation**
  - General Public (TH+ENG)

2015

- **Sectoral Based**
  - Govt Implementer
    - TH
    - ENG
  - Private Agency
    - TH
    - ENG
- **Local Based (Area Based)**
  - Central Implementer
    - TH
    - ENG
  - Local Practitioners
    - TH
    - ENG

2016

- **Mitigation Project Developers**
  - General Public
  - TH
  - ENG
- **Mitigation Project Verifiers**
  - General Public
    - ENG
- **Corporate Carbon Footprint**
  - General Public
    - TH
    - ENG

# Course Conceptual Framework

|           |           |   |
|-----------|-----------|---|
| <b>LC</b> |           | Low Carbon Development                  |
|           | <b>GM</b> | General Mitigation                      |
| <b>GM</b> |           | Corporate Carbon Footprint              |
|           | <b>GM</b> | Mitigation Project Developers           |
| <b>GM</b> |           | Mitigation Project Verifiers            |
|           | <b>GI</b> | GHG Inventory: Sectoral Based           |
| <b>GI</b> |           | GHG Inventory: Local Based (Area Based) |

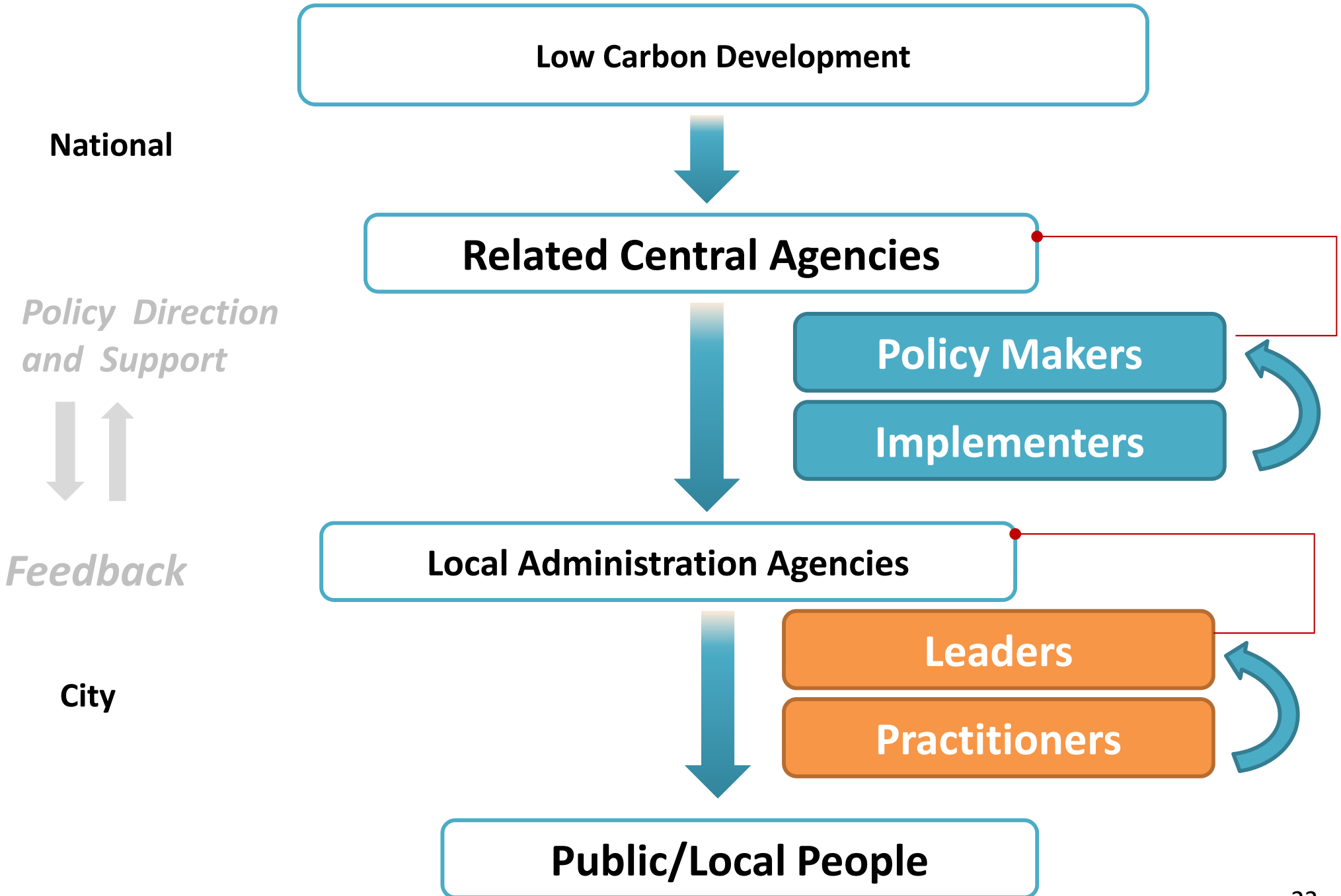


# Course Conceptual Framework

## LC: Low Carbon Development

|            |  |
|------------|--|
| <b>LC1</b> | <b>ASEAN Central Government (Eng)</b><br>LC 111 - Policy Makers<br>LC 112- Implementers  |
| <b>LC2</b> | <b>Thai Local Government (TH)</b><br>LC 201 - Thai Local Leaders<br>LC 202 - Thai Local Practitioners<br><b>ASEAN Local Government (Eng)</b><br>LC 211 – ASEAN Local Leaders<br>LC 212 – ASEAN Local Practitioners |

# Justification



|                      |   |
|----------------------|---|
| <b>Course</b>        | <b>ASEAN Central Government<br/>LC 111 - Policy Makers (ENG)</b>  |
| <b>Target Groups</b> | Thai and ASEAN policy makers of the all related climate change cooperation agencies   |
| <b>Objectives</b>    | <ul style="list-style-type: none"> <li>•To provide the comprehensive knowledge, practical skill and sparkling motivation in formulating the low carbon development policies and strategies to the policy makers through hands on training activities</li> <li>•To introduce the appropriate tools for assisting the policy makers in developing low carbon development policies and strategies for serving their own purpose and supporting regional &amp; local agencies which are under their control</li> <li>•To establish the network for knowledge exchanging and technical cooperation among the policy makers in Thailand, ASEAN and other countries on sustainable low carbon development pathway</li> </ul> |



...thank you...

For further information

please contact us

<http://www.tgo.or.th>

