



**Low Carbon Asia Research Network(LoCARNet) First Annual
Meeting Mobilizing Wisdom for a Low-carbon Asia**

16-17 October, 2012, Novotel Bangkok, Thailand

Networking, Regional Cooperation in Asia, Future of LoCARNet

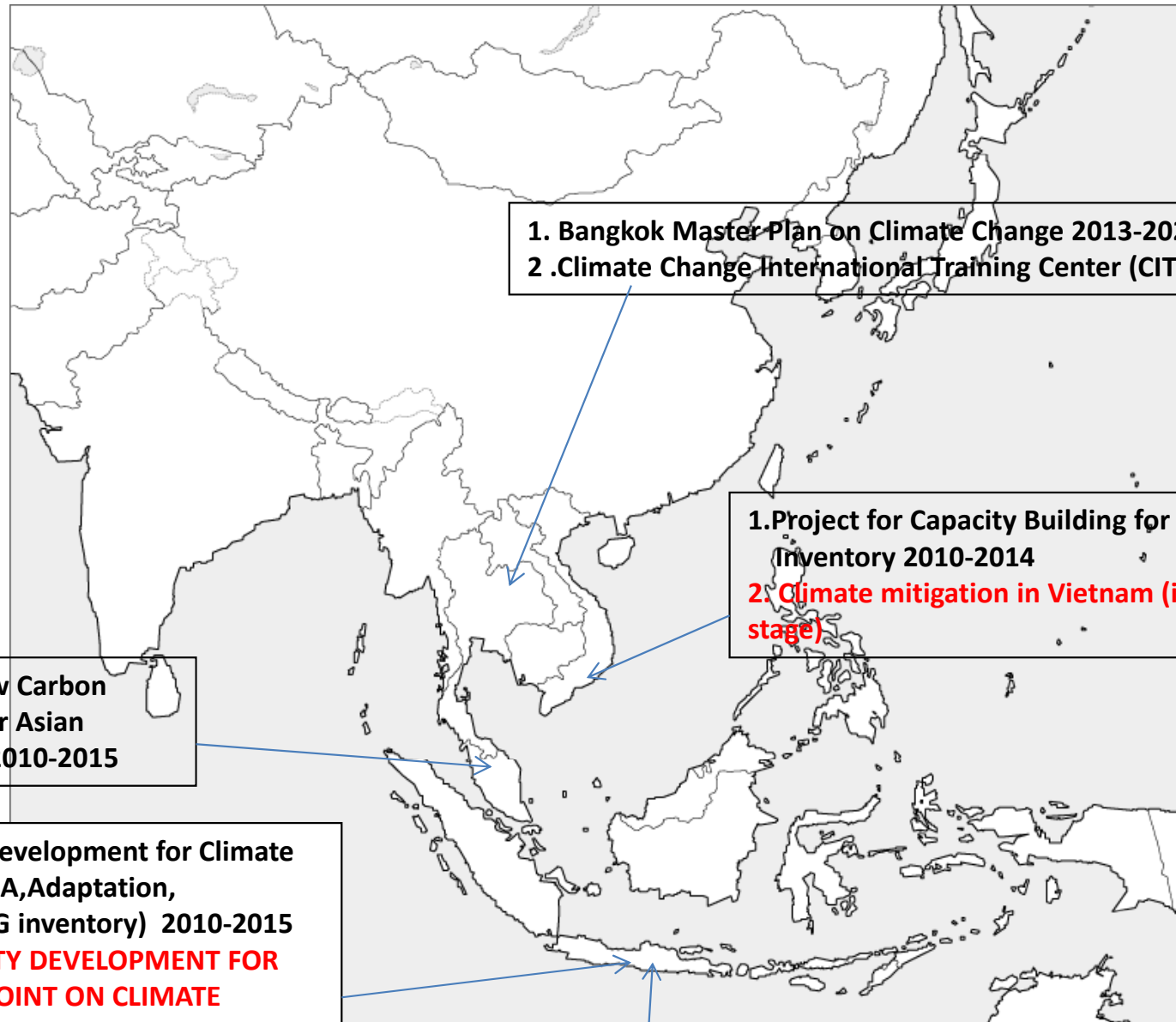
17 October, 2012

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Expected research input

1. Theoretical aspects of sustainable development, green growth, low carbon city
 - (1) Minimum definition, requirement of concept
 - (2) Methodology of planning (scenario setting, frameworks)
 - (3) Innovative financial tools to enhance the involvement of private sector
2. Integrated Assessment Modeling (Economics growth and mitigation measures)
 - (1) Modification of the models in order to adapt to each developing countries.
 - (2) Precondition of modeling, Limitation of modeling
 - (3) Simplified data collection (cost versus accuracy of data)
3. GHG Inventory, Forestry
 - (1) Simplified data collection (cost versus accuracy of data)
 - (2) Simplified methodology for calculation

JICA`s major TA on climate change(mitigation) in Asia



1. Bangkok Master Plan on Climate Change 2013-2023 2013-2015
2. Climate Change International Training Center (CITC) 2013-2015

1. Project for Capacity Building for National GHG Inventory 2010-2014
2. Climate mitigation in Vietnam (in preparation stage)

Development of Low Carbon Society Scenarios for Asian Regions (SATREPS) 2010-2015

1. Project for Capacity Development for Climate Change Strategies (NAMA, Adaptation, Vulnerability study, GHG inventory) 2010-2015
2. PROJECT FOR CAPACITY DEVELOPMENT FOR THE NATIONAL FOCAL POINT ON CLIMATE CHANGE TO ENHANCE THE COORDINATION AND EVALUATION OF CLIMATE CHANGE POLICIES (in preparation stage)

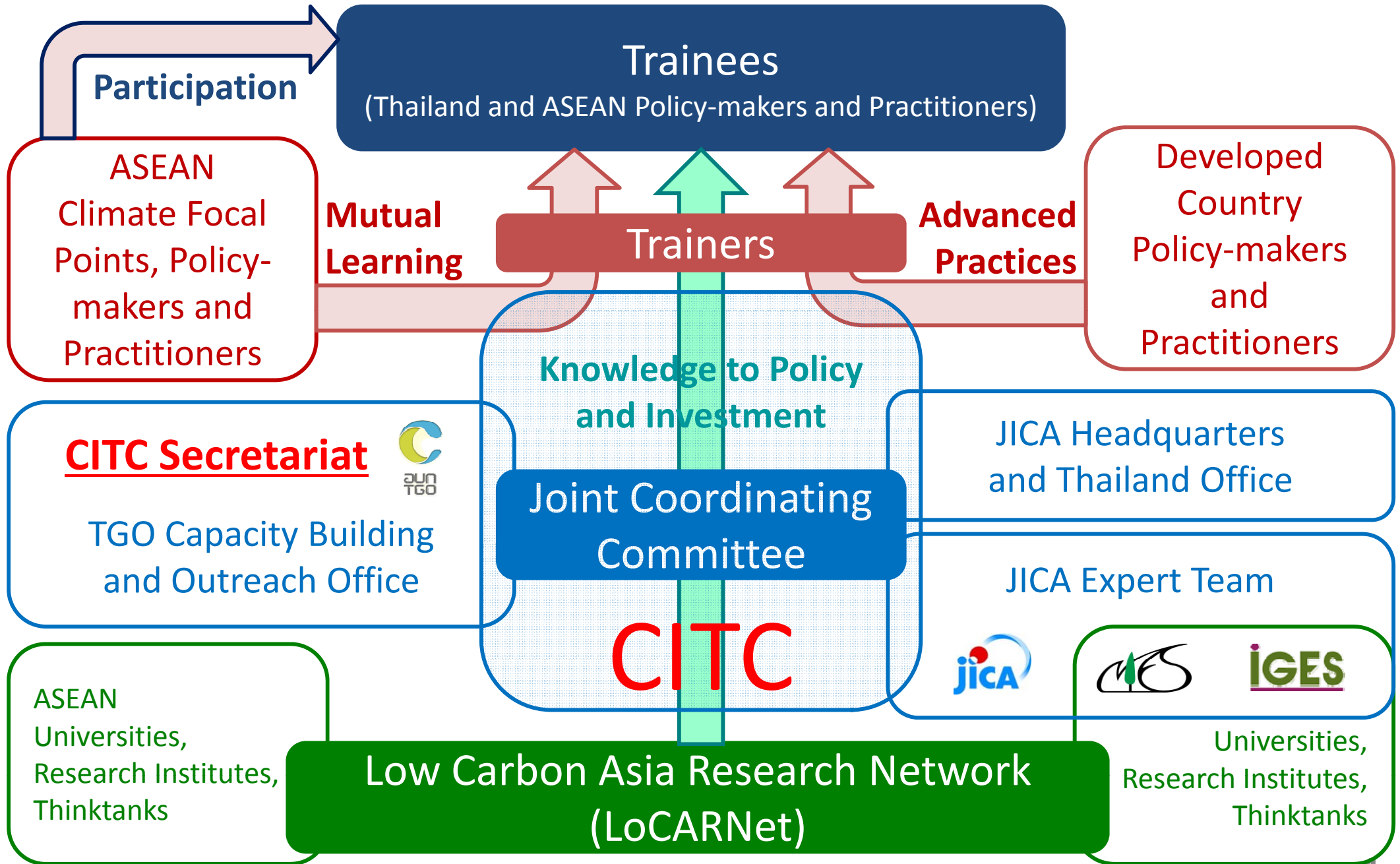
Project for Assessing and Integrating Climate Change Impacts into the Water Resources Management Plans 2012-2015



Climate Change International Training Center (CITC)



(tentative implementation structure)



Bangkok Master Plan on Climate Change 2013 – 2023

(Project Period: 2013-2015)

Bangkok Metropolitan Administration (BMA)

<Background>

- ◆ Total GHG emission of Thailand is ranked 23th in the world (IEA, 2009)
- ◆ GHG emission of Bangkok accounts for 24% of total emission in Thailand, and per capita emission is as high as that of NY, Tokyo
- ◆ High potential of GHG reduction, especially in Energy and Transport Sector

Steering Committee chaired by Deputy-Governor of BMA

Participants: Representatives from the participating departments of BMA, TGO, OTP, PCD, NESDB, ONEP, DEDE, etc.

Secretariat (Department of Environment, BMA)

Inter-Organizational Coordination

Working Groups

- ◆ Environmentally Sustainable Transport
- ◆ Energy Efficiency and Alternative Energy
- ◆ Efficient Solid Waste Management and Wastewater Treatment
- ◆ Green Urban Planning
- ◆ Adaptation Initiatives

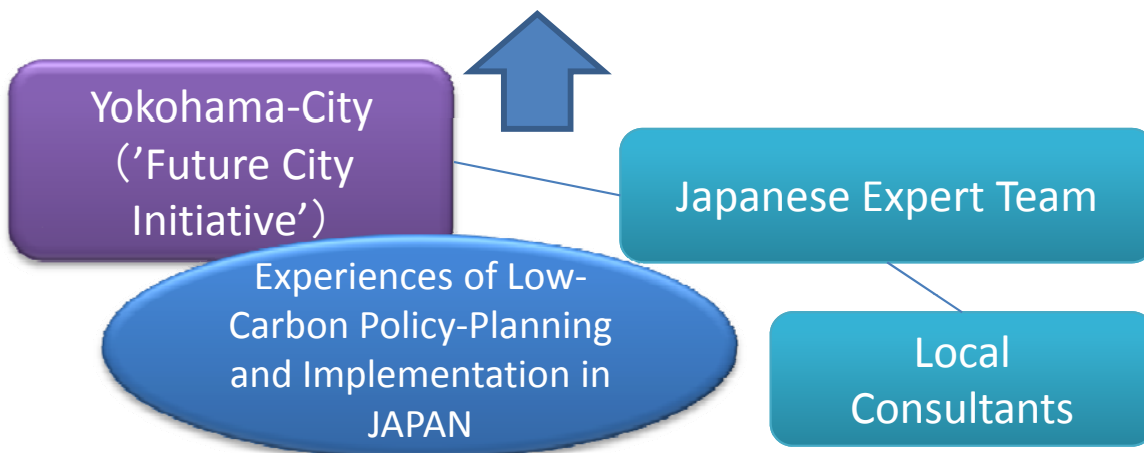
Project Purpose : The Bangkok Master Plan on Climate Change 2013-2023 is prepared with strengthened capacity for implementation.

Output 1: Preparation of Bangkok Master Plan on Climate Change

- Assessment of the Bangkok Action Plan on Global Warming Mitigation 2007 – 2012
- Improvement of Data Collection, Methodologies for Estimation and Monitoring of GHG Emission
- Development of Sectorial Strategies
- Public consultation, Workshops and Seminars

Output 2: Strengthened Capacity of BMA officials

- Training Programs for BMA officials
- Seminars/Workshops for Related Stakeholders
- Development of Educational Materials



Project for Assessing and Integrating Climate Change Impacts into the Water Resources Management Plans

Counterpart Institution: Ministry of Public Works (PU)

Concept of the project

Pilot project site

Data collection and observation in pilot two river basins

Collection of natural condition data including rainfall, air temperature, discharge, and water table, etc., and additional field observation.



Simulation of climate change impacts in the pilot two river basins

Simulating future rainfall for hydrological modeling considering climate change impacts in the Brantas and Musi river basins

Future safety level assessment in the pilot two river basins

Assessing water resources vulnerability and resilience under the climate change (Effect of mitigation in terms of CO₂ reduction from peat lands also to be examined in the Musi river basin)

Strengthening the capability of Indonesia Side

Strengthening the capability of Indonesia side to formulate water resource management plans considering climate change

Recommendations for water resources management with climate change impacts in the pilot two river basins

Recommendations for reflecting climate change impacts on water resources management plans * (POLA and RENCANA)

*Water resources management plan in Indonesia

POLA
(Water Resources Management Strategic Plan)

RENCANA
(Water Resources Management Implementation Plan)

Preparation of guidelines for measures

Preparing guidelines to be applicable to POLA and RENCANA in other river basins in Indonesia, taking climate change issues into account

Dissemination for other basins in Indonesia

Disseminating outputs on the pilot two river basins to other river basins using prepared guidelines by Indonesia side