



## The 17<sup>th</sup> AIM International Workshop

Day 1, February 17<sup>th</sup> (Fri) / National Institute for Environmental Studies (NIES)  
Session IV Bridging Modeling and Policy Making 15:40 – 17:40

# Policy-oriented Research for Low Carbon Development

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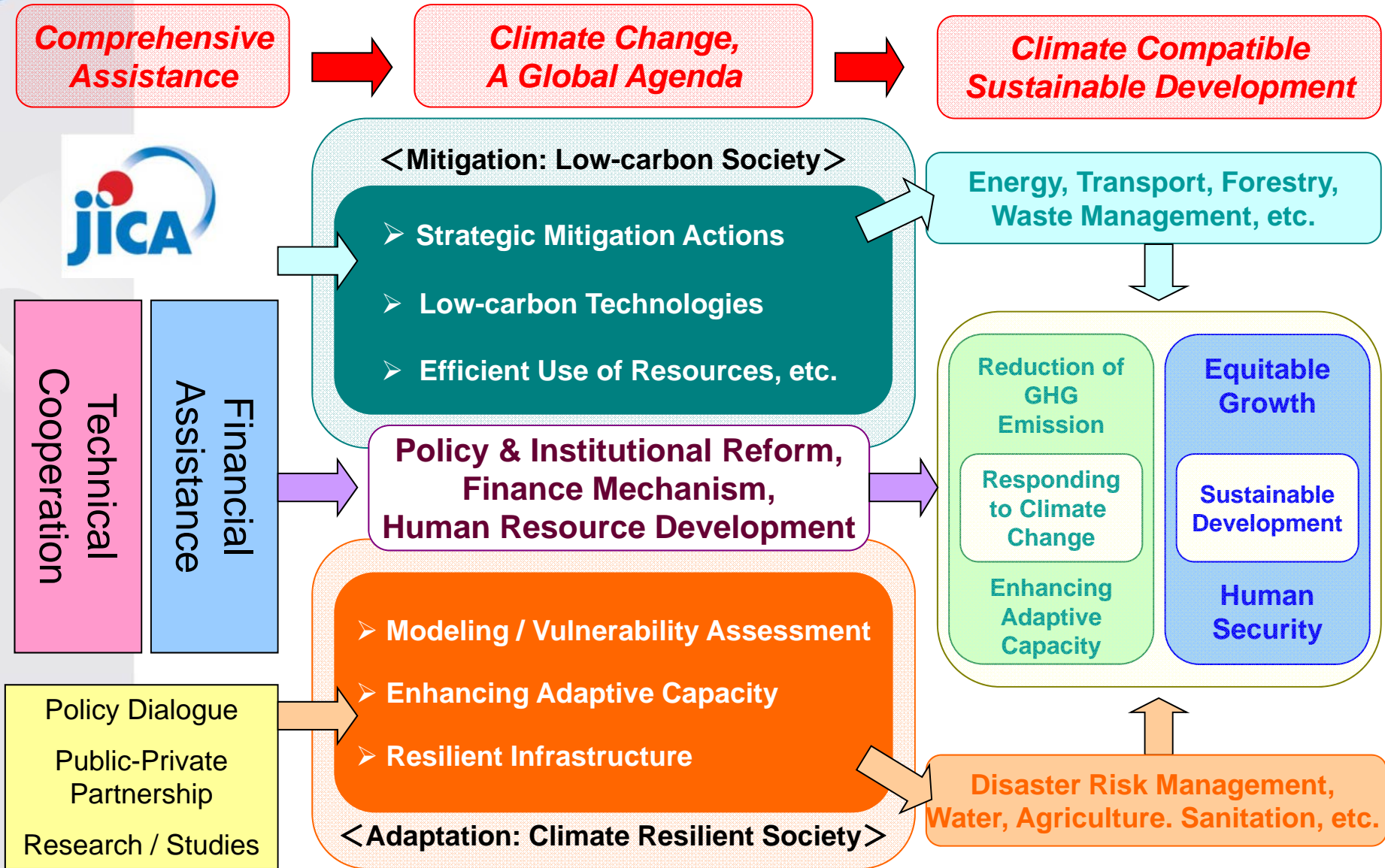
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1. What can JICA do to promote low carbon development in growing Asia-Pacific?



# JICA's Approach: Development Cooperation for Low-Carbon and Climate Resilient Society



## Various Schemes of JICA Assistance

- Technical Cooperation: includes ...
  - (1) acceptance of training participants
  - (2) dispatch of experts
  - (3) provision of equipment
  - (4) assistance for development planning and public projects
  
- Loan Aid: includes ...
  - (1) project loans
  - (2) program loans (sector support / general budget support)
  - (3) financial intermediary loans (“two-step” loans)
  - (4) engineering services (E/S) loans
  
- Grant Aid: includes ...
  - (1) grant aid for general projects
  - (2) program grant aid for environment and climate change
  
- Research (JICA Research Institute)

# Malaysia-Japan Joint Research Project for Development of LSC Scenarios for Asian Regions

## Science and Technology Research Partnership for Sustainable Development (SATREPS)

### Science & Technology Research

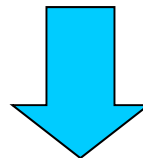
- To Address global issues through science & technology innovation by Japan's world-leading technology & soft power

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### International Cooperation

- Boosting self-reliant research & development capacity in developing countries through joint research by Official Development Assistance(ODA)

Research Members



Modeling Workshop

- **Develop methodology** of LCS Scenarios **suitable for Asian countries** in Malaysia as a showcase of rapid development regions in Asia
- **Incorporate research outputs into real planning** of regional/national development **to establish low carbon society** in Malaysia
- Diffuse project outcomes to other Asian countries through training in Malaysia **to enhance low carbon development in whole Asia**

# Vietnam Comprehensive Low Carbon Development in the Energy Sector (Efficiency and Conservation)

Support from policy and institutional improvement down to Transformational impact at the project level

Legal, institutional & policy issues

**【ODA loan】 Development Policy Loan for Climate Change (10 bil. JPY\*)**

■ Budget support for policy / institutional improvement (law and preferential policy measures for EEC, etc.)

Capacity Building

**【Technical Cooperation】 EEC Master Plan**

■ Preparation of Roadmap and Action Plan to Promote National Target Program for EEC, etc.

Strengthening environmental finance

**【Technical Cooperation】 Capacity Building of Viet Nam Development Bank (VDB)**

■ Strengthening environmental finance credit analysis

Implementation of EEC actions by firms

**【ODA loan】 Energy Efficiency and Renewable Energy Promoting Project (4.68 bil. JPY\*)**

■ Finance for energy-saving devices, etc. thru Viet Nam Development Bank, offers EEC consulting services for firms

## 2. Recent initiative for policy-oriented research

*- Introduction of Knowledge Platform Initiated by NIES, IGES and JICA -*



# Knowledge Platform for Low Carbon Development

## Concept and Call for Inputs

February 2012

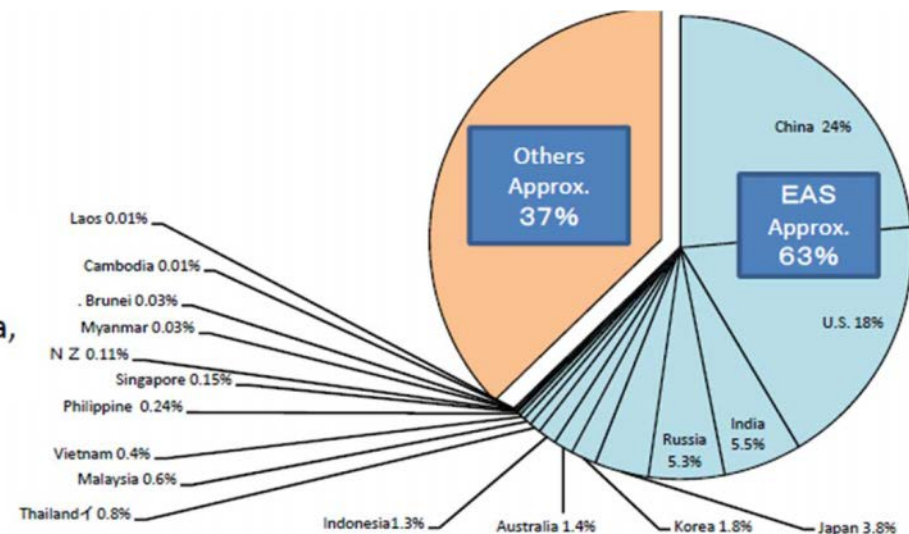
The National Institute for Environmental Studies (NIES)  
The Institute for Global Environmental Strategies (IGES)  
Japan International Cooperation Agency (JICA)

# Background

- East Asia is both the growth center and the largest greenhouse gas emission area of the world. Promoting low carbon technologies in this region helps global efforts to achieve a balance between growth and actions against climate change.
- A ministerial policy dialogue attended by both public and private sectors in East Asian Summit (EAS) member countries will be held in Tokyo in April

EAS Member (18 countries) :

Brunei, Indonesia, Cambodia, Laos, Myanmar, Malaysia, Philippine, Singapore, Thailand, Vietnam, Australia, China, India, Japan, Korea, NZ, Russia, the U.S.



the ratio of EAS countries of the global emission of CO<sub>2</sub>(2009)

# Objective

In order to help EAS member countries, particularly developing countries, create and implement low carbon and resilient development strategies compatible with their development goals, this platform will provide an opportunity for researchers, policy makers and development practitioners to

- **Originate & share** policy oriented research skills and outputs
- **Digest & translate** research outputs and best practices into policy proposals
- **Train & assist** policymakers to create and implement strategies

# Proposed Members

- Research Community

AIM and LCS-RNet partners (universities, research institutions, etc.), to be developed into **LowCARNet (Low Carbon Asia Research Network)** , possible expansion to Africa and other regions in the future

- Policymakers

Government agencies in EAS countries (planning and finance ministries, energy and environment ministries, etc.), expanding to Africa and other regions (**JICA to consider technical cooperation project to mutually train and assist ASEAN policy makers, with consideration to South-South cooperation**)

- Development Practitioners

Development Agencies: WB, ADB, USAID, AusAID, JICA, etc.  
Think tanks: GGGI, CDKN, other institutions engaged in LEDS

# Expected Activities and Schedule

- Background papers on low carbon strategy in EAS
- Possible side event



April 2012

- Ministerial dialogue (Japan)

- Launch of LowCARNet
- Launch of JICA project to train and assist ASEAN policy makers
- Feedback of ministerial dialogue in April, 2012



Fall 2012

- IMF-WB Annual Meeting (Japan)
- EAS meeting (Cambodia)

- Background papers on low carbon strategy in Africa
- Possible side event



after Winter 2012

- COP18 (Qatar)
- TICAD V (5<sup>th</sup> Tokyo International Conference on African Development)

# Input into Tokyo Ministerial Dialogue

## Ministerial Dialogue (1 day event)

1. Low carbon development strategy
2. Diffusion of low carbon technologies for a balanced growth
3. Network for knowledge sharing



**Possible Side Event organized by this platform**



## Background Papers

Key findings of  
AIM research  
activities

Coordinator: NIES

Key findings from  
LCS-RNet past  
meetings in Asia

Coordinator: IGES

Lessons learnt  
from policy and  
project support

Coordinator: JICA

# Invite Inputs for Background Papers

- **Group A** : “Contributions and key findings of AIM research activities”  
Partner organization: NIES (coordination)  
Concept: Summarize contributions and key findings of AIM research activities of developing LCS scenarios for identifying pathways and policy development in the Asian region.
- **Group B** : “Key findings from past LCS-RNet meetings in Asia”  
Partner organization: IGES (coordination)  
Concept: Extract and summarize challenges towards low-carbon development in Asia from past LCS-RNet dialogues between policy-makers and researchers
- **Group C** : “Lessons learnt from policy & project support ”  
Partner organization: USAID, AusAID, WB, JICA (coordination)  
Concept: Review past support (such as climate DPO, clean tech technical assistance) and recommend improvements

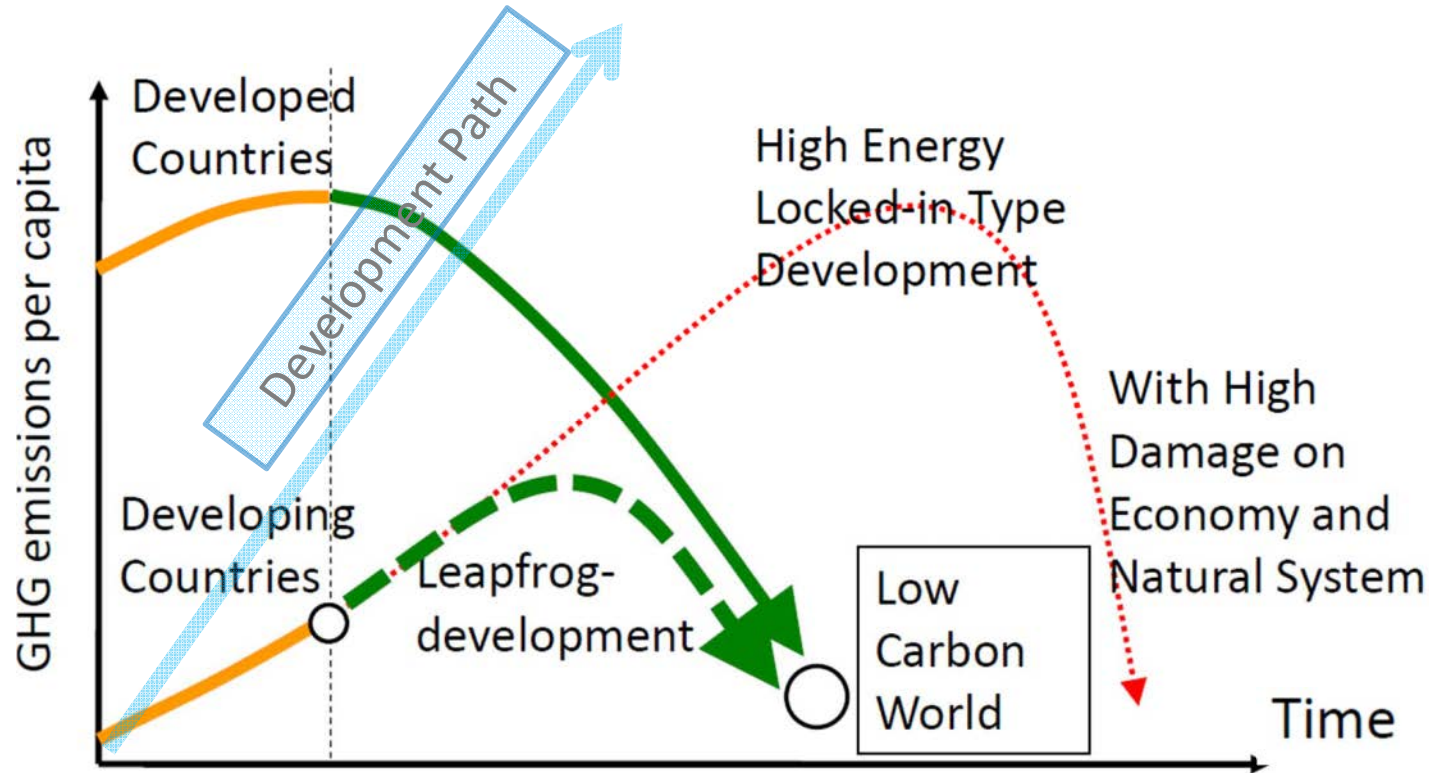
# Key Questions

(common to all input groups)

- **Transition towards Sustainable Low-carbon Development**  
How can strategies be designed to make the transition towards sustainable low-carbon development?
- **Institutional Capacity and Human Resources Development**  
How can we make sure external aid and north-south/south-south collaboration lead to development of institutional capacity and human resources and to enhance ownership of organizations in developing countries?
- **Bottlenecks of the Current Strategy Framework**  
What are the bottlenecks of current low carbon strategy framework? How can we remove those bottlenecks?



## Takeaway Message



(Source) Prof. Nishioka (2010) Outcome from Asia LCS Studies and Perspective: Leapfrog Asia

Policy-makers are likely to view this graph “**three-dimensionally**” - “**the third axis**” representing “**development** (poverty reduction, economic growth, sustainable society, etc.)” may be key in the future to bridge research and policy better.

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