

International Research Network for Low Carbon Societies

LCS-R Net

## Integrating Asian Wisdom: Low Carbon Asia Research Network LoCARNet

Low Carbon Society Study Workshop  
31 May 2012  
Grand Plaza Hanoi Hotel  
Hanoi


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Institute for Global Environmental Strategies (IGES)

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**LoCARNet: Low Carbon Asia Research Network**  
Research Institutions/ researchers' network  
who dedicating directly in LCS policy making process

LCS-R Net


*Image*




Mohamad Bin  
SA'ELAL  
Malaysia




Sirintornthep  
TOWPRAYOON  
Thailand




Rizaldi BOER  
Indonesia




Ho Chin  
SIONG  
Malaysia




Mikiko  
Kainuma  
Japan



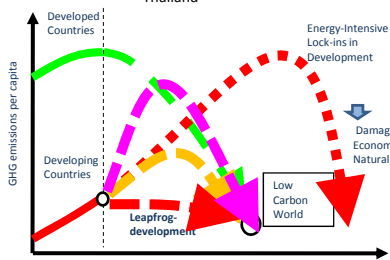
Bundit  
LIMMEECHOKCHAI  
Thailand



Hak MAO  
Cambodia



Jiang  
KEJUN  
China



Developed Countries


Developing Countries

Leapfrog-development


Low Carbon World

Energy-intensive Lock-ins in Development


Damaging the Economy and Natural System




Vietnam




NIES JAPAN




FII




国家发展和改革委员会能源研究所




IGES




JGSEE



環境省  
Ministry of the Environment



UTM



ISKANDAR

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## Japan Launched **LoCARNet**

### Low Carbon Asia Research Network

- **LoCARNet** launched by Ministry of Environment Japan and the Institute for Global Environment Strategies (IGES) in close cooperation with the National Institute for Environmental Studies (NIES) **promotes research to support the development of policies for low-carbon growth** by enabling dialogue between scientists and policy-makers.
- **LoCARNet facilitates** the Asian region to move forward with low-carbon growth, with a number of ongoing favourable conditions to **turn challenges into opportunities**.

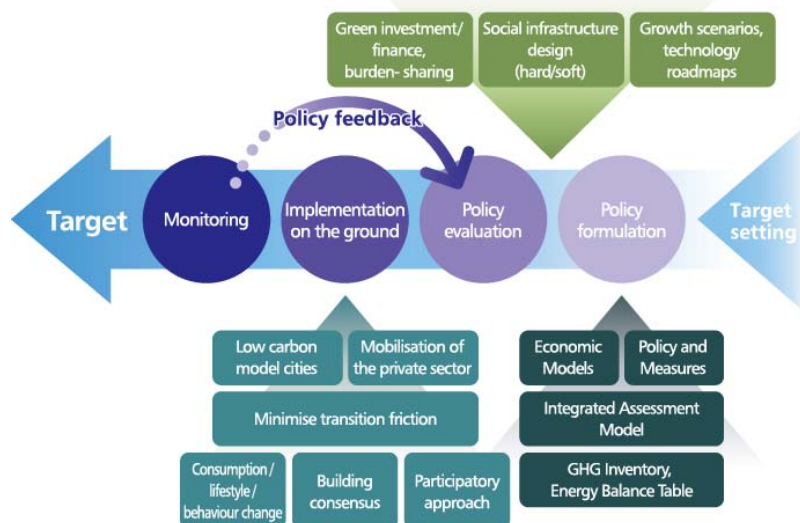
#### Initiation



- The Government of Japan and the International Research Network for Low Carbon Societies (LCS-RNet) proposed the establishment of a network called the “**Low Carbon Asia Research Network (LoCARNet)**” at ASEAN+3 Environmental Minister Meeting (EMM) held in October 2011 in Cambodia.
- The **launch of LoCARNet** was declared at the side-event of the “**East Asia Low Carbon Growth Partnership Dialogue**” and the initiation of **LoCARNet** was announced by **the Minister of the Environment**, Japan on 15 April 2012.

### Knowledge to Action: Formulation of low-carbon growth policies

- Step-by-step process from data collection, knowledge sharing, identification of tools and methods, to implementation and review-

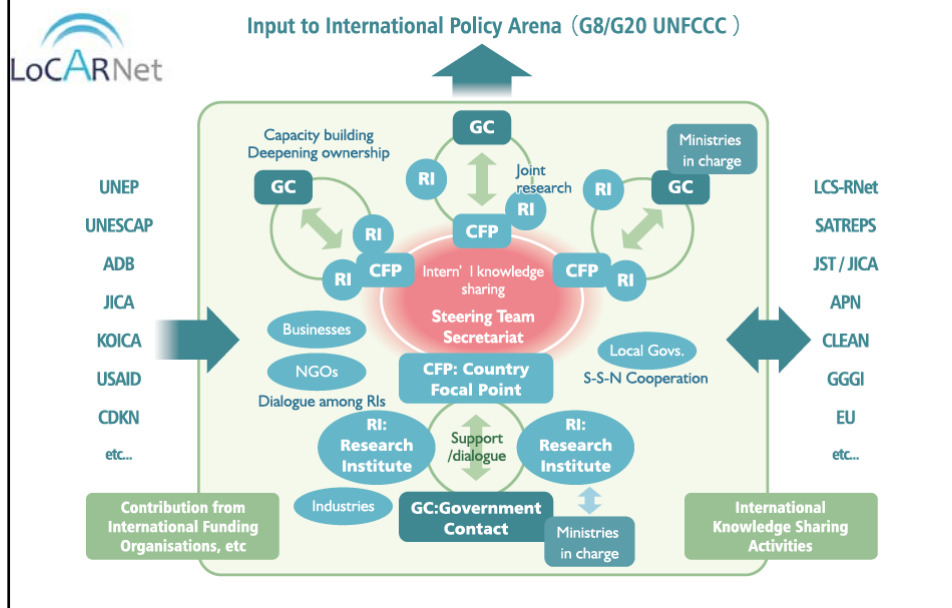


## LoCARNet - Activities and Uniqueness

- **Network of prominent researchers** (Institutes) who are deeply involved in low-carbon development policy processes in this region.
- **Science-Science-Policy Dialogue:** LoCARNet promotes research for policies towards low-carbon growth by enabling a sufficient amount of dialogue between scientists and policy-makers.
- **Ownership of knowledge by countries:** LoCARNet also encourages collaboration amongst researchers in-country whose research capacity and scientific knowledge are firmly grounded in their home countries.
- **South-South-North Collaboration:** LoCARNet aims to increase in research capacity in the AP region through knowledge sharing and information exchange, in the scheme of not only north-south cooperation, but also south-south regional cooperation.
- (Not at all funding but wisdom network⇒APN/LC-Initiative)

### Framework of “Low Carbon Asia Research Network (LoCARNet)”

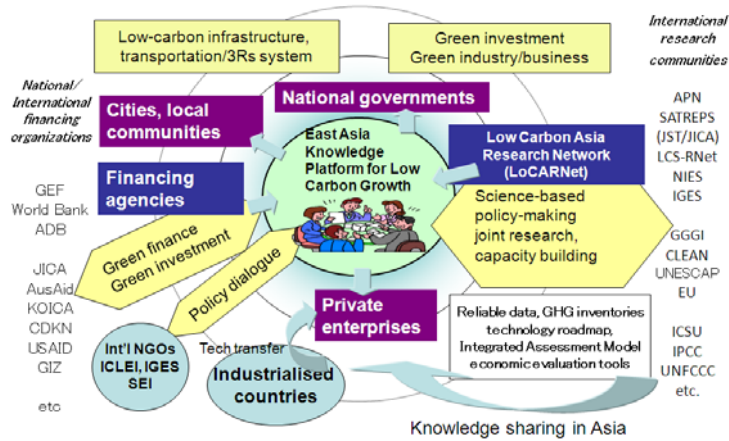
LoCARNet is a multi-layered, flexible network for researchers to contribute to low carbon policy-making.



### Concept of "East Asia Knowledge Platform for Low Carbon Growth"

- aim to help developing countries create and implement low-carbon and resilient development strategies, compatible with their development goals.

- The initiation of **LoCARNet** was announced by the Minister of the Environment, Japan in the East Asia Climate Change Dialogue held in Tokyo, Japan on 15 April 2012.
- **LoCARNet** is one component of **East Asia Knowledge Platform** to promote all efforts and actions for realising low-carbon growth in the region.



### Collaboration of JICA/NIES/IGES

Side-event on East Asia Low Carbon Growth Partnership Dialogue  
(14 April 2012, Tokyo, Japan)

#### East Asia Knowledge Platform for Low Carbon Growth

----- Research Community -----

##### Research into low-carbon societies

National Institute of Environmental Studies (NIES)



##### Research network for low-carbon growth and sustainable development

Institute for Global Environmental Strategies (IGES)



-- Practitioners --

##### Knowledge and lessons learned from international cooperation activities:

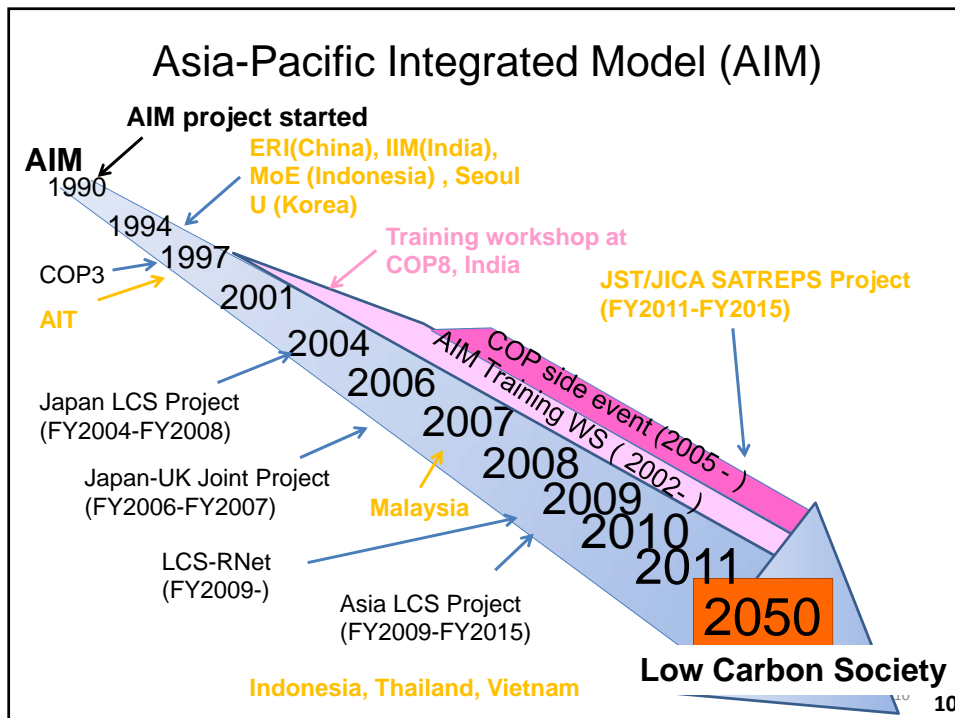
Japan International Cooperation Agency (JICA)



Previous cooperation: development of scenarios towards low-carbon societies in Iskandar, Malaysia in accordance with the SATREPS scheme by JST/JICA, etc..

## How Japanese Government/NIES/IGES worked so far

- Since 1997, **capacity building and training** of the Asia-Pacific Integrated Assessment Model (AIM) model **for Asian researchers** has been implemented, and more than 50 researchers in Asian countries have been trained .
- In 2008, Japan proposed to set up the “**International Research Network for Low Carbon Societies (LCS-RNet)**” at the **G8 Environment Ministers Meeting** to contribute to the global effort to tackle climate change by sharing up-to-date scientific findings on visions and pathways towards low-carbon societies.
- Since 2009, the Ministry of the Environment Japan has commissioned the operation of LCS-RNet to the Institute for Global Environment Strategies (IGES) to **develop a knowledge platform for low-carbon development to achieve towards low-carbon societies**.
- Since 2009, the Ministry of the Environment Japan has also commissioned **research on low-carbon growth in Asia** to a research team led by the National Institute for Environmental Studies (NIES). The research team has studied the ***feasibilities of low-carbon growth in each country*** working with local researchers and helping them to exercise the AIM model to set up low-carbon targets and make low carbon scenario in their own countries.



## LCS-RNet G8+

### -Low Carbon Society Research Network-

Researchers' network who dedicate to governmental policy making process to reach a Low Carbon Society responding to G8 and world leaders' requirements

- 16 institutions from France, Germany, India, Italy, Japan, Korea, UK
- 2<sup>nd</sup> Annual Meeting (2010, Berlin): 88 participants from 57 institutions from 23 countries (including BRICs, Indonesia, South Africa) and 2 IGOs

From findings of 2<sup>nd</sup> Annual Meeting in Berlin 2010

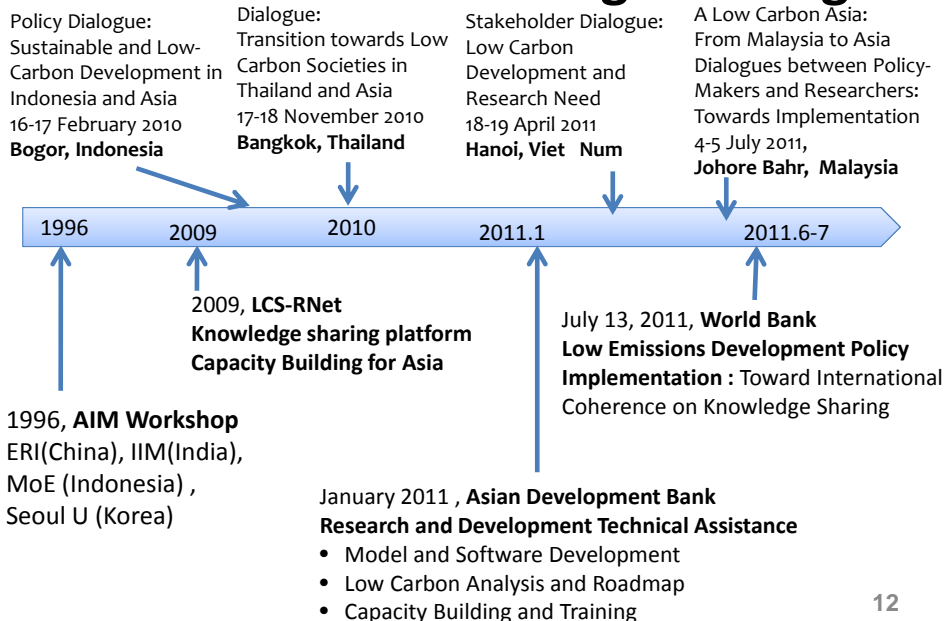
- Inter-linkages among society's components must be understood.
- Technologies and R&D alone cannot attain LCS.
- Modelling implications and limitations must be correctly understood.

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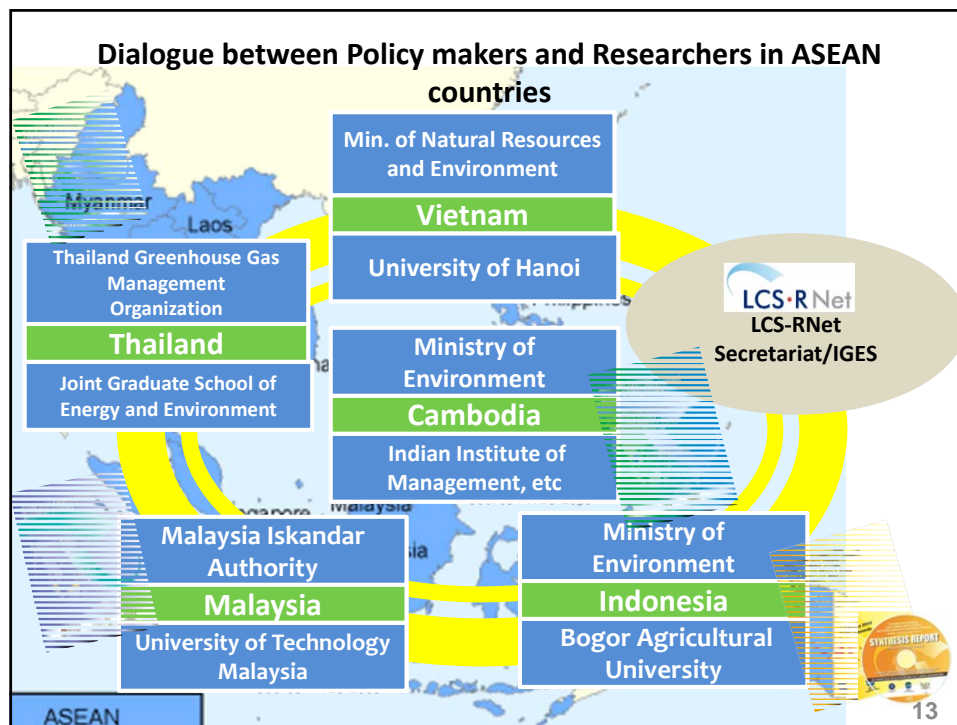
<http://lcs-rnet.org/>

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## Movement of knowledge sharing



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## Future Direction of LoCARNet

- **There is a need to enhance collaboration with other stakeholders.** International organisations and development practitioners can cooperate toward low-carbon research and provide support to build up a research exchange network/platform. Private sector collaboration will also **become more important for green investment and green growth.**
- **Coordination and collaboration are vital at the national, sub-national/cities and regional levels.** This will strengthen ownership of knowledge, and also accelerate the speed of low-carbon growth in Asia.

Integrating Asian wisdom  
Thank you for your kind attention!



Save our mother climate