Introducing LoCARNet: Virtual, Open Research Institute for Low Carbon Asia

Dr. Shuzo Nishioka
Senior Research Advisor, IGES
Secretary-General
Low Carbon Asia Research Network (LoCARNet)

Asian Low Carbon Society Research Network: LoCARNet

Researchers community dedicating to scientific policy making process towards Low Carbon World

Proposed at ASEAN＋3　2011 at Phnom Penh
by Government of Japan
The 1st Meeting held in Bangkok, October 2012
The 2nd Meeting to be held in Yokohama on July 24-25

Rizaldi

Bundit LIMMEECHO

Jiang KEJUN

Ho Chin SIONG

Sirintornthep

Mikiko Kainuma

Hak MAO Cambodia

Yutaka MATSUZA

Mohamad Bin SA’ELA

国家发展和改革委员会能源研究所
Energy Research Institute National Development And Reform Commission

UTM
UNIVERSITI TEKNOLOGI MALAYSIA

環境省
Ministry of the Environment

ISKANDAR
REGIONAL DEVELOPMENT AUTHORITY

환경부 국립환경과학원

IGES

KMUTT SIIT-TU KMITNB CNU PSU
JGSEE
The Joint Graduate School of Energy and Environment

NIES JAPAN

Low Carbon Asia Project

LCS·R Net

Mohamad Bin SA'ELAL Malaysia

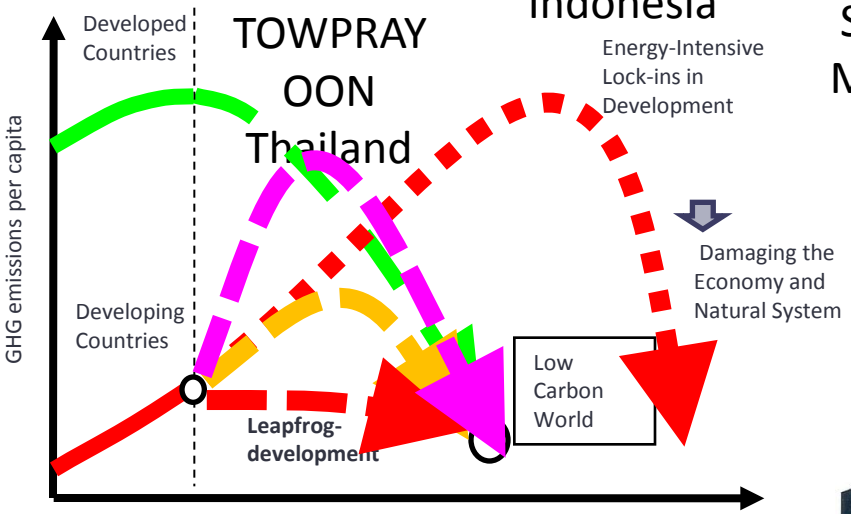
Sirintornthep TOWPRAYOON Thailand

Rizaldi BOER Indonesia

Ho Chin SIONG Malaysia

Mikiko Kainuma Japan

Bundit LIMMEECHOKCHAI Thailand



Yutaka MATSUZAWA

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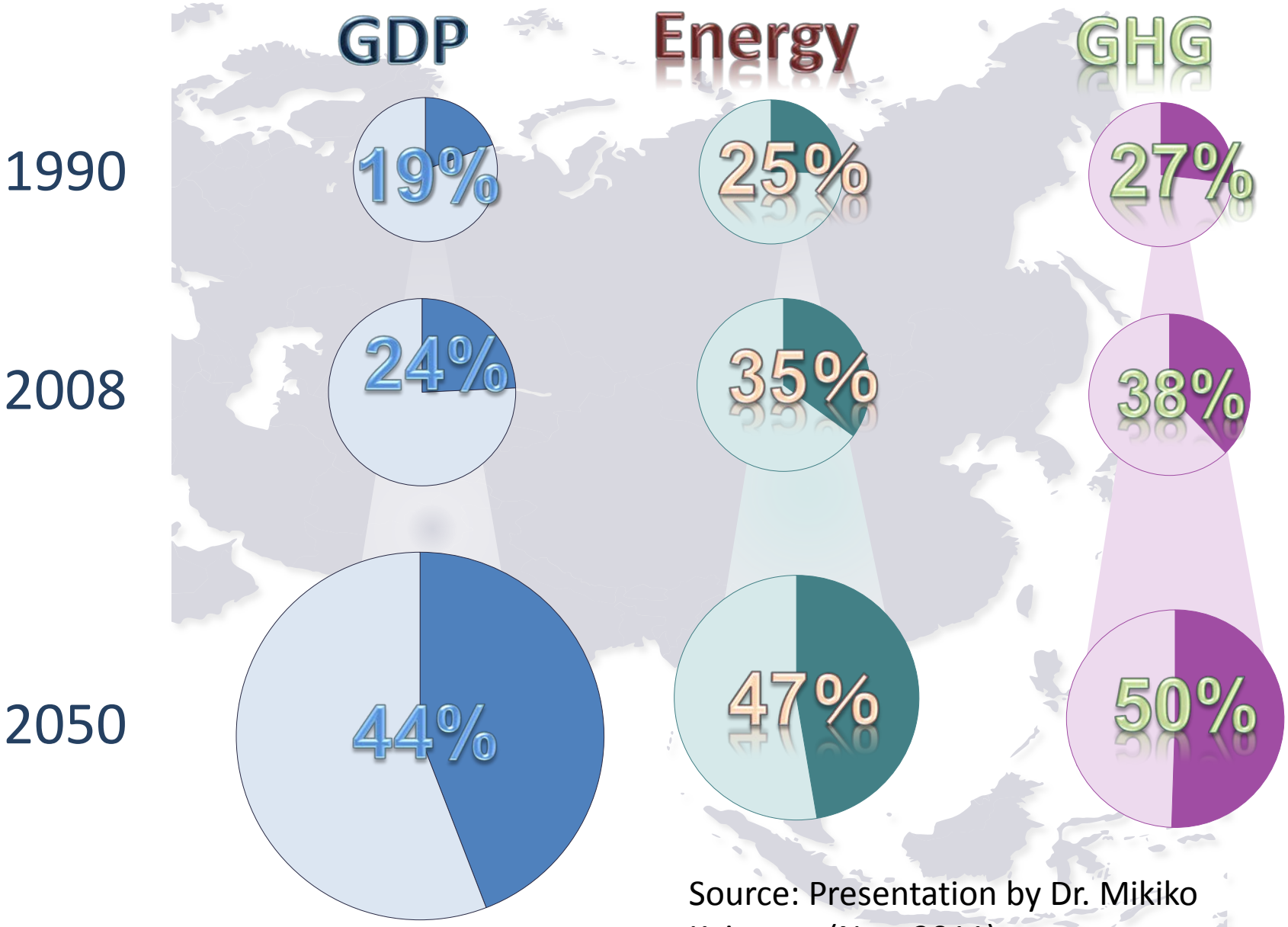
ISKANDAR REGIONAL DEVELOPMENT AUTHORITY

Growing importance of actions towards low-carbon development in Asia



Source: Presentation by Dr. Mikiko Kainuma (Nov. 2011)

Country reports, Indonesia, Thailand, Malaysia

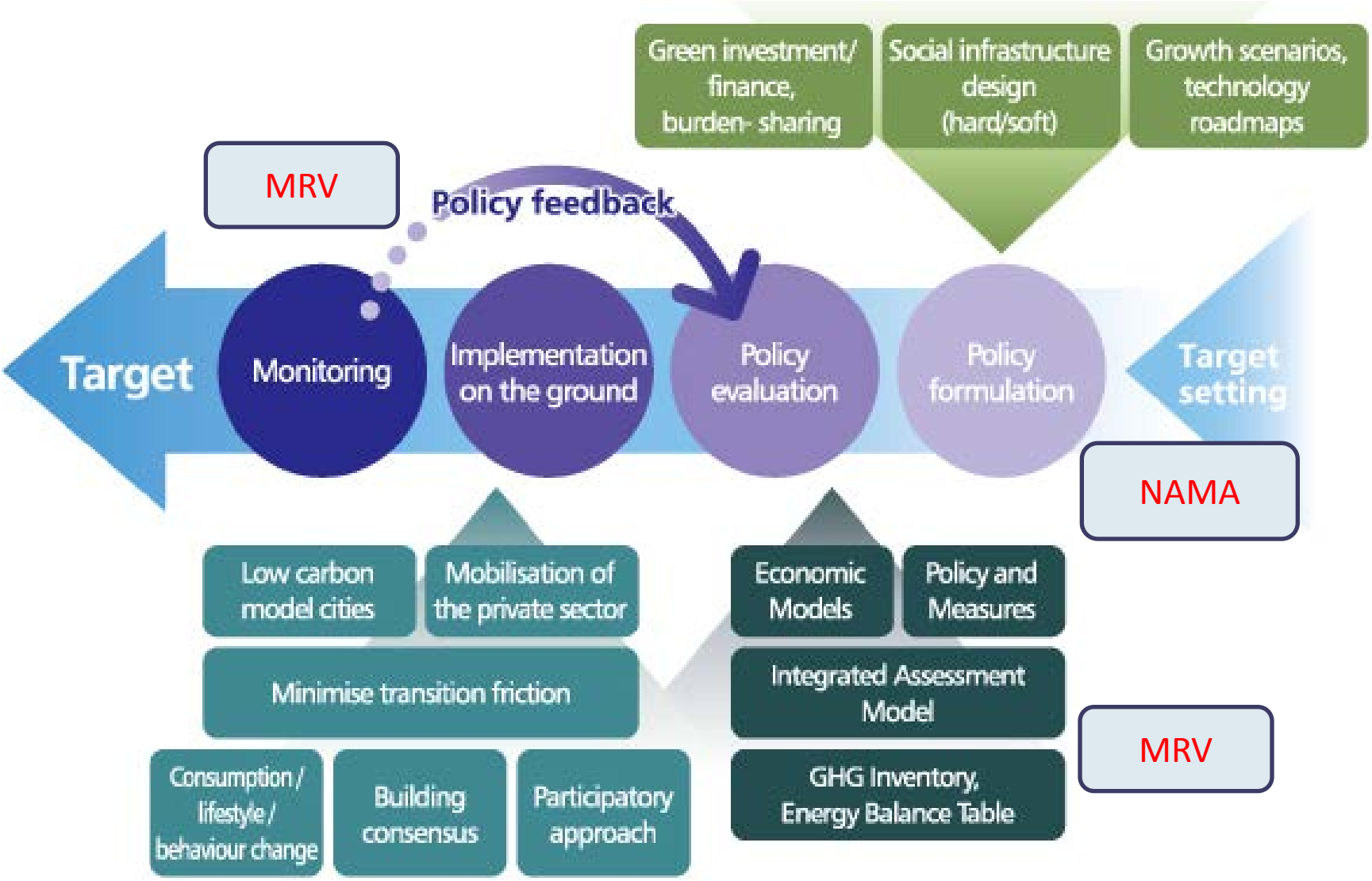
Cambodian reports

LoCARNet reports

LoCARNet 1st Annual Meeting, October 2012, Bangkok

Formulation of low-carbon society/ growth policies

Formulation of low-carbon growth policies is step-by-step process from data collection, knowledge sharing, Identification of tools and methods, to implementation and review.



Urgent research needs in Asia

The 1st annual meeting, 2012 Bangkok

- Consistent low carbon policy: application of integrated assessment model
- Guidelines for low carbon city as good unit of implementation
- More precise inventory fit to country's situation as base of NAMA/MRV
- Forestry /Soil/ Land use change modeling for REDD policy
- Traditional value in Asia for leap-frogging
- Expansion of LCS research community and impact to policy process

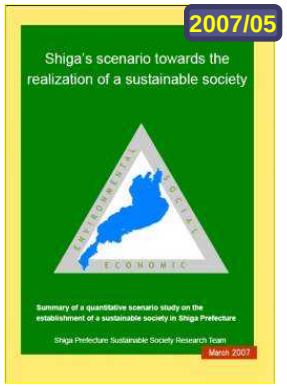
Comments and Suggestions to LoCARNet towards achieving LCS/LCD

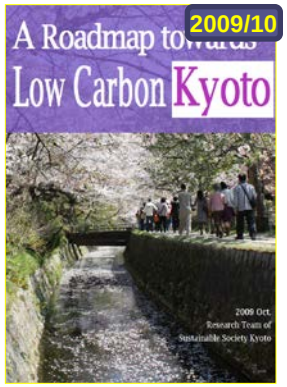
The 1st annual meeting, Oct. 2012 Bangkok

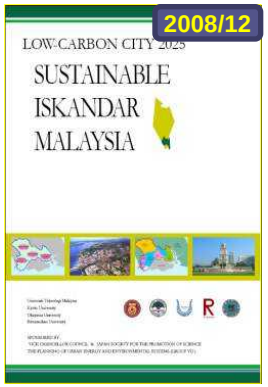
- To reaffirm our basic stance - **researchers at the core**. And to be fully aware of cooperation with **policy-makers**, participation of supporters, and expansion of related parties.
- To deliver **tangible outputs** in a timely manner that can contribute to international discussions
- To facilitate **capacity development** especially in ways to; 1) promote further involvement of **young researchers** in LoCARNet activities, and 2) conduct **training for policymakers** on low-carbon policy science
- To promote **"south-south-north" regional cooperation**
- To act as a **knowledge broker**, conducting matching prominent research with other stakeholders to explore potential opportunities

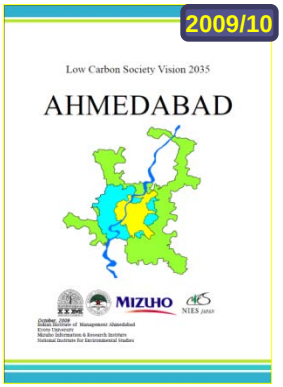
Brochures introducing national and regional specific LCD studies

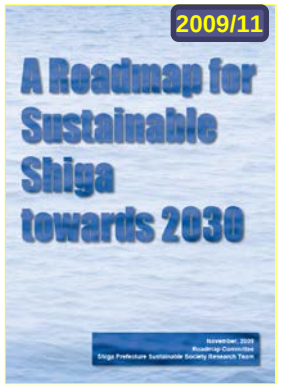
Communication and feedbacks of LCD study to real world

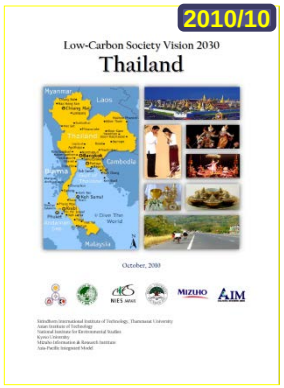


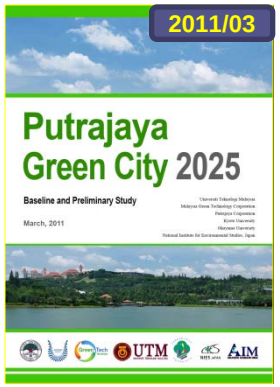


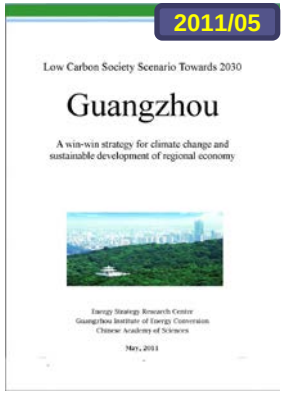


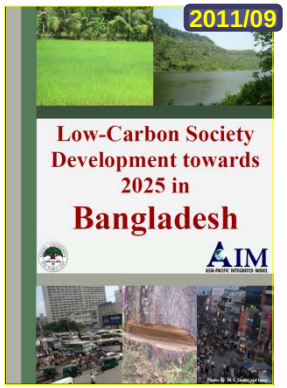


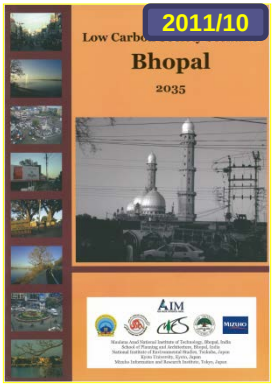


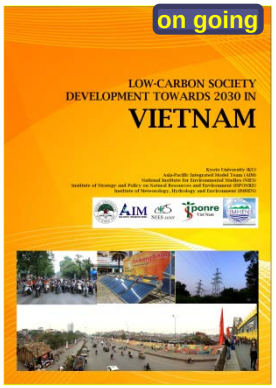


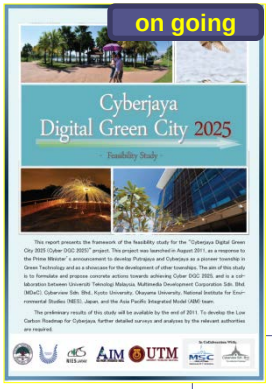






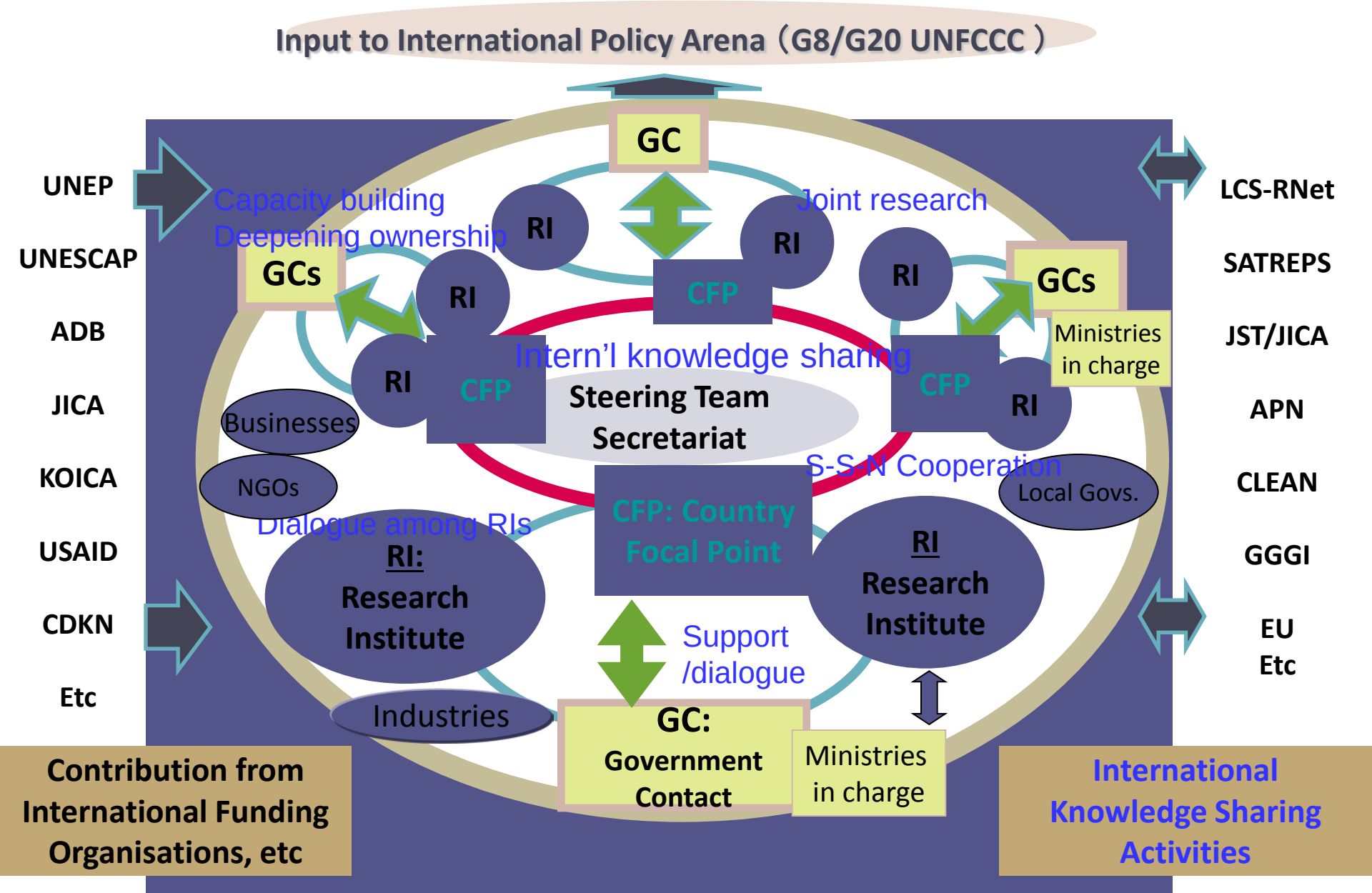






Low Carbon Asia Research Network (LoCARNet)

of research communities dedicating to LC-Growth policy processes



Characteristics and Uniqueness of the LoCARNet

- **Network of leading researchers/research organisations** who are deeply involved in low-carbon growth 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 among/between scientists and policy-makers.
- **Ownership of knowledge by countries:** LoCARNet encourages collaboration amongst researchers in-country whose research capacity and scientific knowledge are firmly grounded in their home countries.
- **Regional 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 regional not only north-south cooperation, but also south-south regional cooperation.

ISAP & LCS-Rnet/LoCARNet Annual Meetings (22-25 July 2013, Yokohama, Japan)

- Cambodia 22 April, Vietnam 24 April funded by APN LCI
- **LoCARNet 2nd Annual Meeting** in Japan, together with LCS-RNet 5th Annual Meeting, and ISAP.
- 24-25 July 2013 in Yokohama (port city, next to Tokyo), back-to-back with the 5th ISAP *1)
- ISAP: The 4th International Forum for Sustainable Asia and the Pacific (ISAP2012) was held in Yokohama which is an international conference with about **1100 participants.**
- from **24 countries** in total (including pre-event)

The 4th International Forum for Sustainable Asia and the Pacific (ISAP2012) 24-25 July 2012 Yokohama, Japan

Asian Low Carbon Development Scenario Making and Capacity Building Activity Since 1991

15th AIM International Workshop on 20-22 February 2010

AIM Training Workshop on 27-31 October 2008

AIM Training Workshop on 16-20 October 2006

Asian Modeling Meeting at Tsukuba on 17-18 September 2009

14th AIM International Workshop on 14-15 February 2009

AIM Training Workshop on 2-14 August 2010

1st AIM International Workshop on 1-2 February,1996

17th AIM International Workshop,17-19, February 2012

16th AIM International Workshop on 19-21 February 2011

AIM Training Workshop on 22-26 October 2007

Activities of IGES in Knowledge Sharing to Low Carbon World
LCS-Rnet/LoCARNet

Dr. Shuzo Nishioka
Senior Research Advisor, IGES
Secretary-General, International Research Network for Low Carbon Societies (LCS-RNet) /
Low Carbon Asia Research Network (LoCARNet)

Two knowledge-sharing networks in IGES

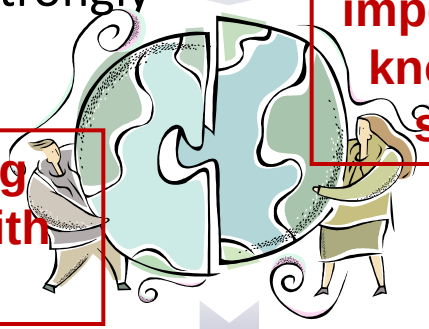
LCS·R Net

- Established in **2009** on the initiative of the G8 Environment Ministers' Meeting.
- Composed of **7 countries and 16 research institutes**.
- Held 4 annual meetings in the past
- Has been conducting workshops in 4 Asian countries with NIES/AIM team. During the course of these workshops, **the growing importance of low-carbon growth in Asia** was strongly recognised.

LoCARNet

- Proposed the establishment of a network at ASEAN+3 EMM held in October 2011 in Cambodia.
- Launched at the side-event of "**East Asia Knowledge Platform for Low Carbon Growth**" in April 2012.
- Organised the 1st Annual Meeting in October 2012 in Bangkok.

Connecting research with policies



Growing importance of knowledge-sharing

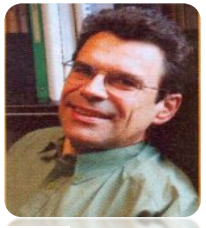
Aiming to become a worldwide network

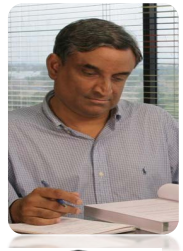
Achieving Low-Carbon Societies: Common Challenges

- Activities of the International Research Network for Low Carbon Societies (LCS-RNet) -

Report of the LCS-RNet 4th Annual Meeting in Oxford: *Key Findings of the Oxford Meeting*

Low Carbon Society Research Network (LCS-Rnet) established in 2009 under G8 scheme





IGES
ADEME
ENEA
IDDRI
cmcc Centro Euro-Mediterraneo sui Cambiamenti Climatici
Wuppertal Institute
UKERC
NRTEE
NIES JAPAN
विद्याविनियोगाद्विकासः IIM AHMEDABAD
환경부 국립환경과학원
Fondazione Eni Enrico Mattei

Prioritise policy targets

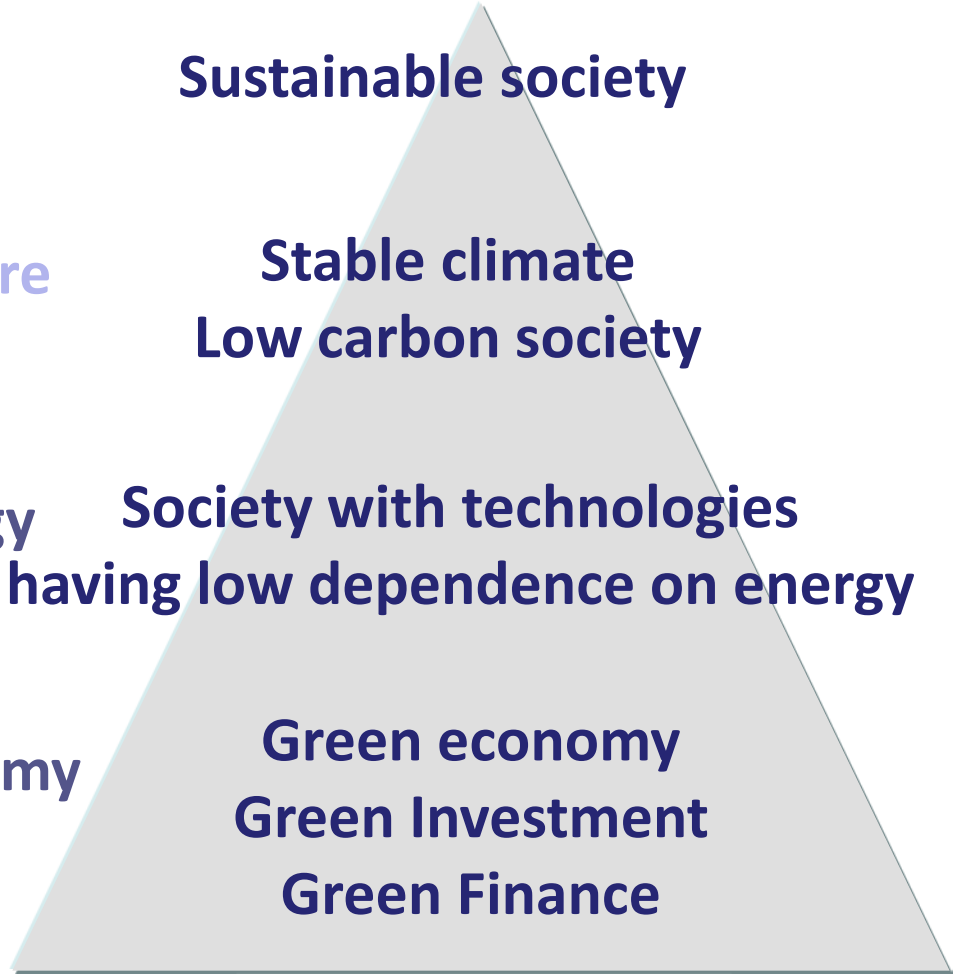
Stable climate ＞Society＞ Economy

②cobenefit of clean engine

pollution Control

Saving Energy

Green Technology Green job



Priority of QoL