



Low Carbon Asia Research Network

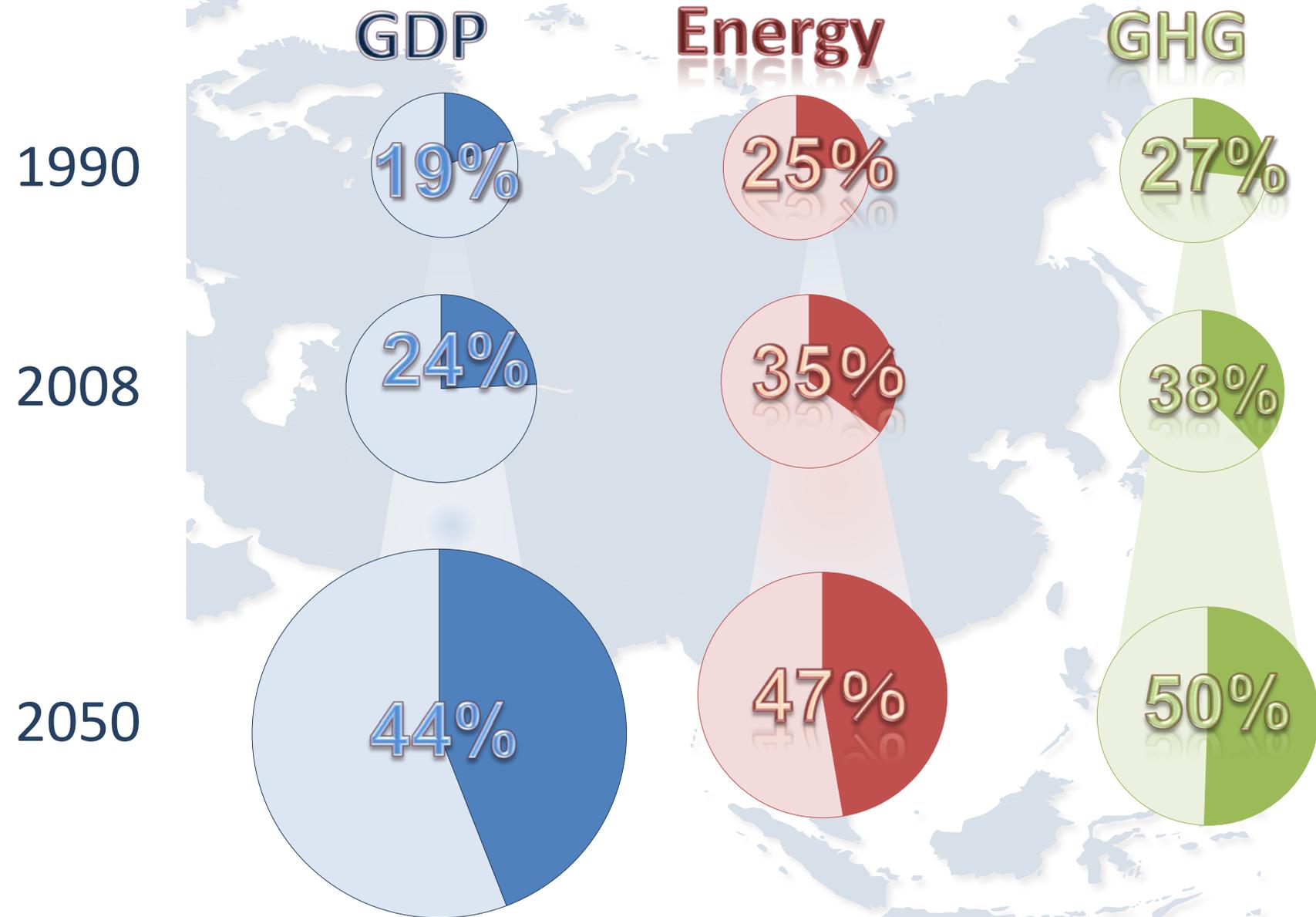
-Bridging Science and Low Carbon Policy



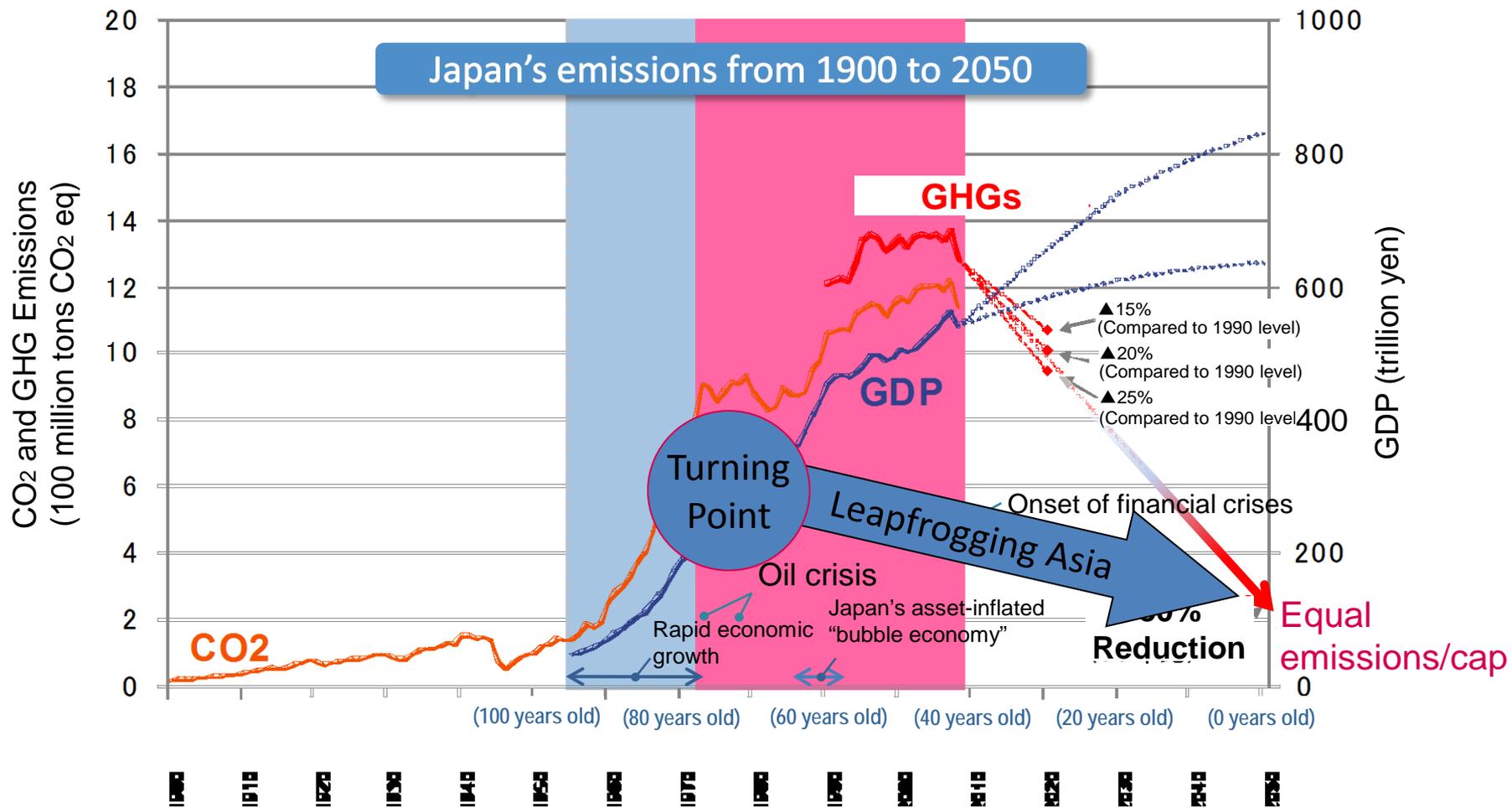
11th Workshop on GHG Inventories in Asia
Greenhouse Gas Inventory Office of Japan (GIO)
National Institute for Environmental Studies
July 2013, Tsukuba, Japan

Shuzo Nishioka
Secretary General, LoCARNet
Institute for Global Environmental Strategies (IGES)

Growing importance of actions towards low-carbon development in Asia



Different development path to low carbon world

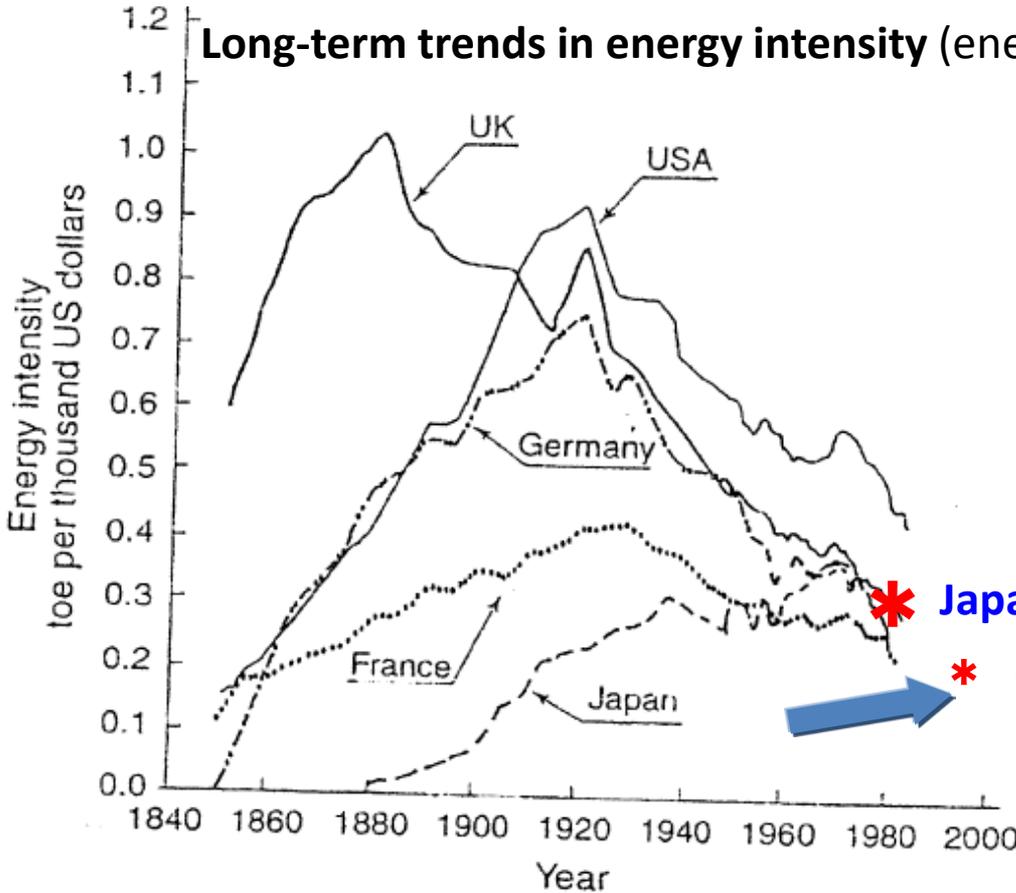


Future GDP: Based on scenarios A and B from the NIES Low Carbon Society Research Project 2050⁴

Opportunities for Asia:

Freedom from past track of highly energy-dependent technologies

Long-term trends in energy intensity (energy/GDP)



Possibility of Asian countries' Leapfrog leveraged by Climate Change

*** Japan's leap-frog in Oil Crisis**

*** China/ASEAN ?**

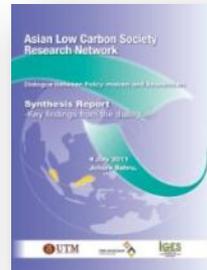
*** India ?**

- How can we facilitate technological leap-frogging to promote low carbon development?
- What kinds of mechanisms (international/national, market/non market) could facilitate leap-frogging to low carbon technologies?

LoCARNet: Low Carbon Asia Research Network

An open network of researchers & research organizations, as well as like-minded relevant stakeholders that facilitates the formulation and implementation of science-based policies for low-carbon development in Asia.

Lessons learnt from activities and outcomes from dialogues between Researchers and Policy-makers in Asia



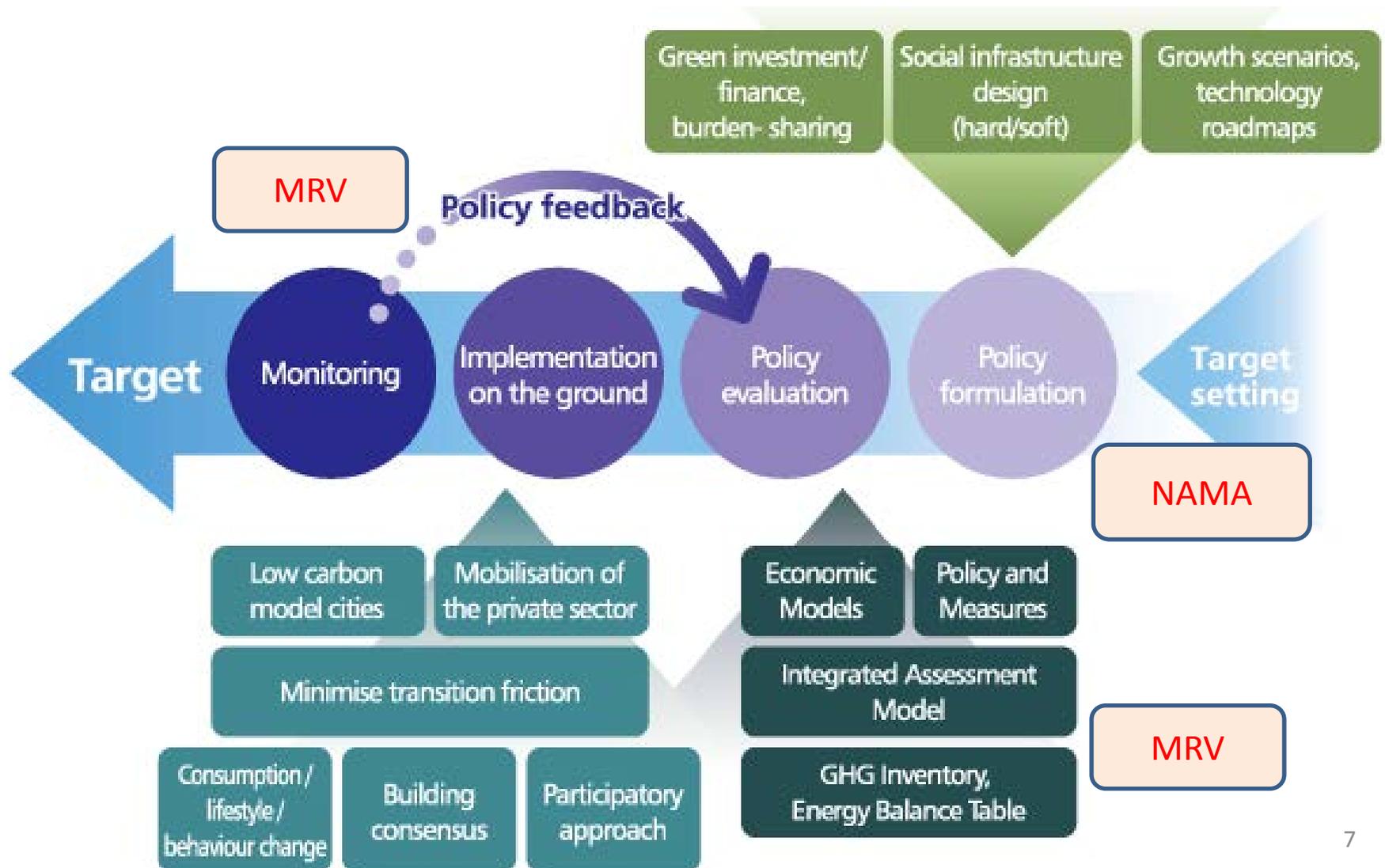
SynthesiReports: <http://lcs-rnet.org/publications/index.html>



• “Low Carbon Asia Research Network (LoCARNet)” was established at ASEAN+3 EMM held in October 2011 in Cambodia, for Encouraging LCS policies in each Asian country/ Informing international negotiations with science/ Networking LCS research in Asia, as a central core for knowledge sharing platform in Asia .

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.

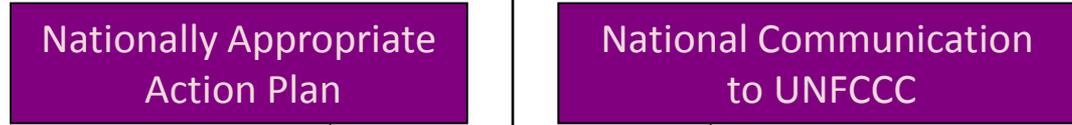


Structuring Science-based National Low Carbon/Green Growth Strategies

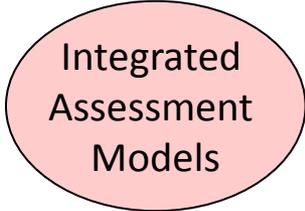
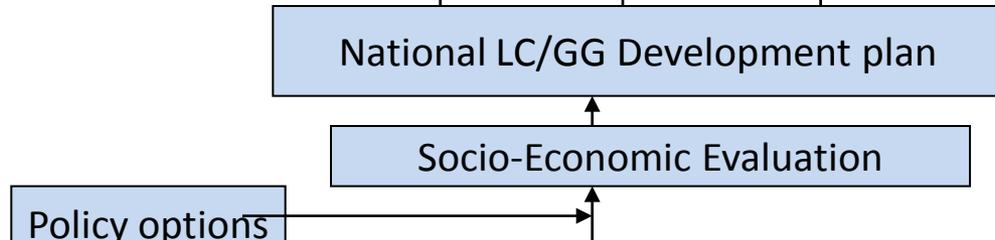
Implementation



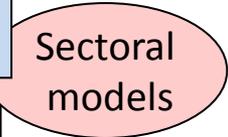
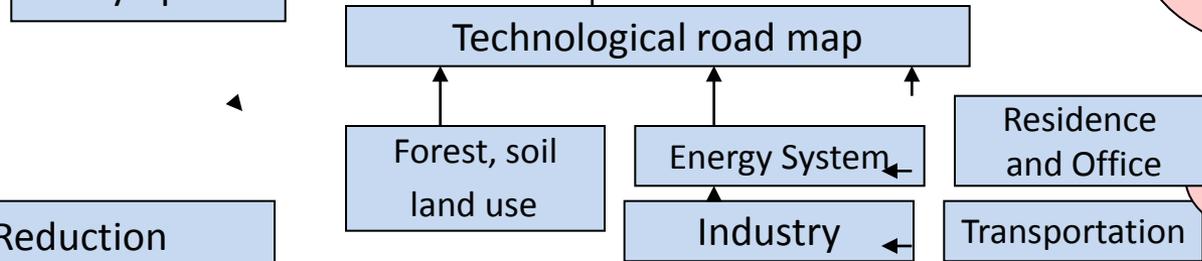
International contribution



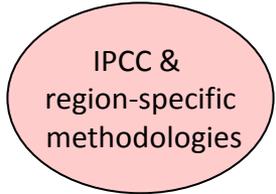
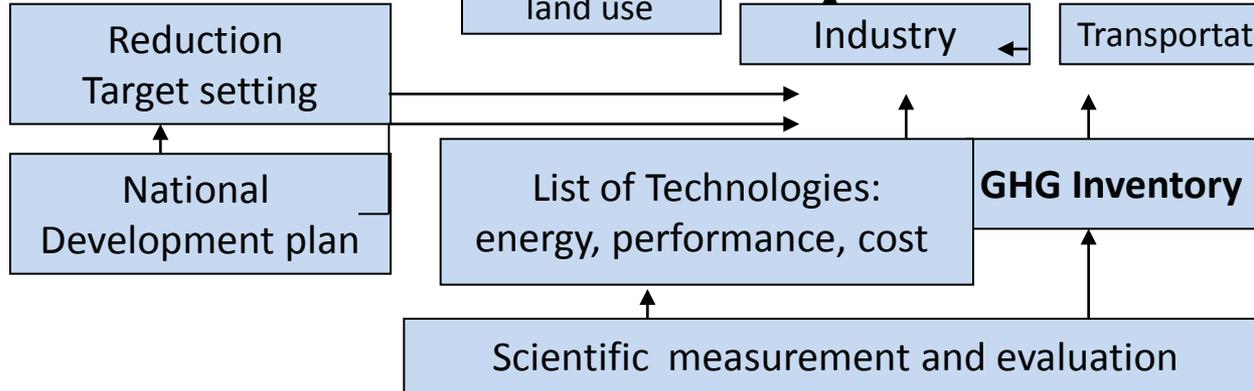
Synthesizing



Planning



Scientific data acquisition



Policy stage

Macro-frame

Scientific Process

Methodologies

Country reports, Indonesia, Thailand, Malaysia



Cambodian reports



LoCARNet reports



LoCARNet 1st Annual Meeting, October 2012, Bangkok

Urgent research needs in Asia

The 1st annual meeting, 2012 Bangkok

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

Join us! They need your wisdom!



For further inquiries, please contact:

LoCARNet/LCS-RNet/ Secretariat,

c/o Institute for Global Environmental Strategies (IGES)

2108-11 Kamiyamaguchi, Hayama, Kanagawa 240-0115, Japan

<http://lcs-rnet.org/index.html> E-mail: lcs-rnet@iges.or.jp

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)

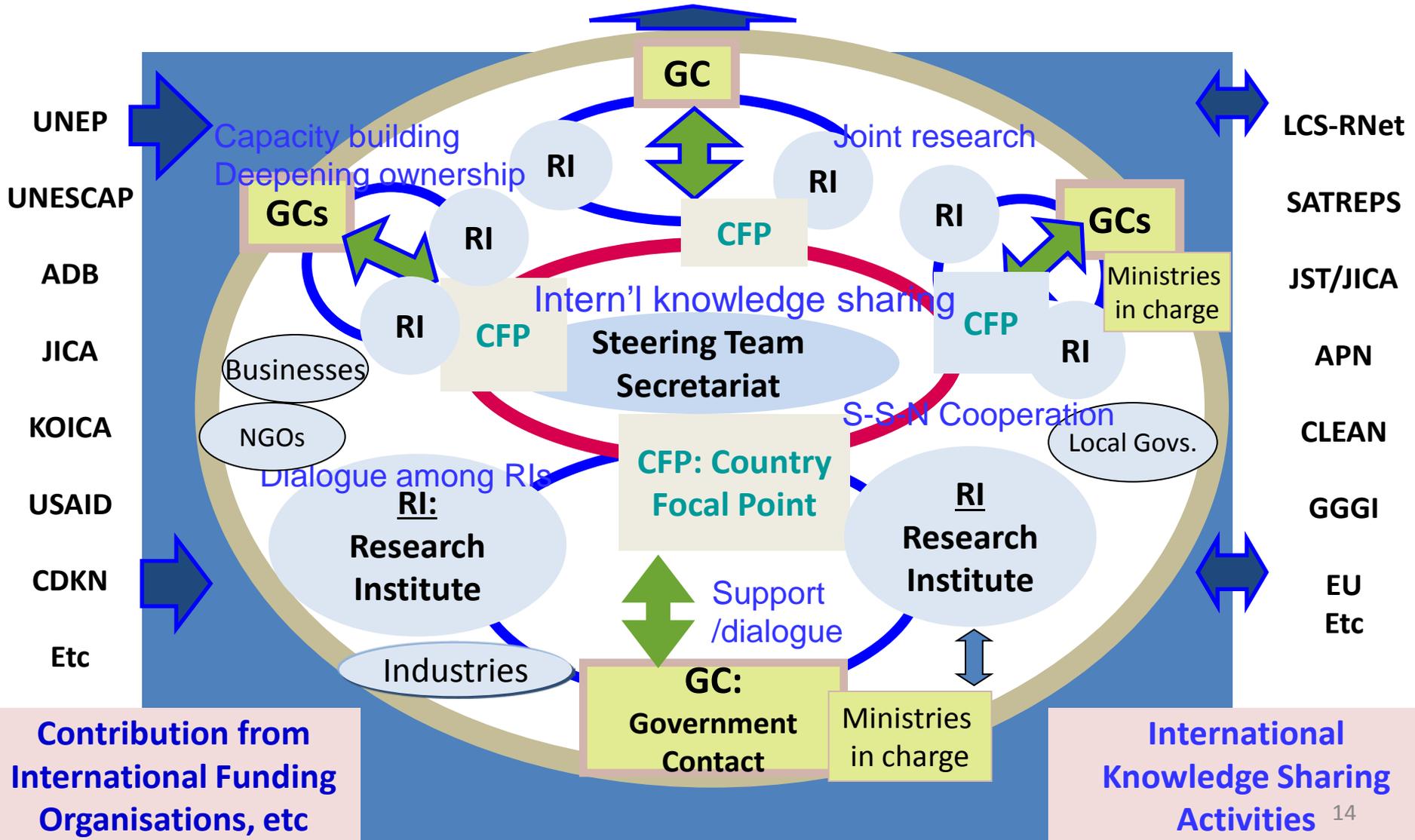


The 4th International Forum for Sustainable Asia and the Pacific (ISAP2012) 24-25 July 2012 Yokohama, Japan

Low Carbon Asia Research Network (LoCARNet)

of research communities dedicating to LC-Growth policy processes

Input to International Policy Arena (G8/G20 UNFCCC)



LoCARNet was initiated through close cooperation amongst Asia-Japan

- 1992- The Ministry of Environment Japan (MoEJ) hosts annually **Asia-Pacific Climate Change Seminar**
- 1996- **Asia-Pacific Network for Global Change Research (APN)** initiated by MoEJ
- NIES/ Kyoto University/MoEJ host Integrated Assessment Model Training Workshop annually
- 2003- NIES/IPCC-TSU in IGES/MoEJ host annually **Workshops on Greenhouse Gas Inventories (WGIA)** in Asia
- 2006-NIES/MoEJ started **Low Carbon Asia Research Project** with Asian Researchers
- 2010-Kyoto Univ./NIES/Mext(The Japanese Ministry of Education, Science and Technology)/JICA started research collaboration on **low-carbon city under the SATREPS** programme.
- 2010- IGES hosted 5 **Low Carbon Asia Workshops** to promote dialogues between policy-makers and researchers
- 2011 Oct. Japanese Government proposed **LoCARNet at ASEAN+3 Environmental Ministers' Meeting** in Cambodia. And 2012 Sept. Progress of LoCARNet was reported back to the Meeting.
- 2012 April At the **East Asia Low Carbon Growth Partnership Dialogue**, LoCARNetI was launched by Japanese Government as part of “**East Asia Knowledge Platform for Low Carbon Growth**” The Secretariat of LoCARNet is tentatively located at the Institute for Global Environmental Strategies (IGES),
- 2012- **ADB promotes its Technical Assistance** in close collaboration with LoCARNet.
- 2012FY- APN established “**Low Carbon Initiative**” research fund to supports LoCARNet

Prioritise policy targets

Stable climate > Energy > Economy

