

Low Carbon Asia Research Network (LoCARNet) in progress

November 2013

Warsaw

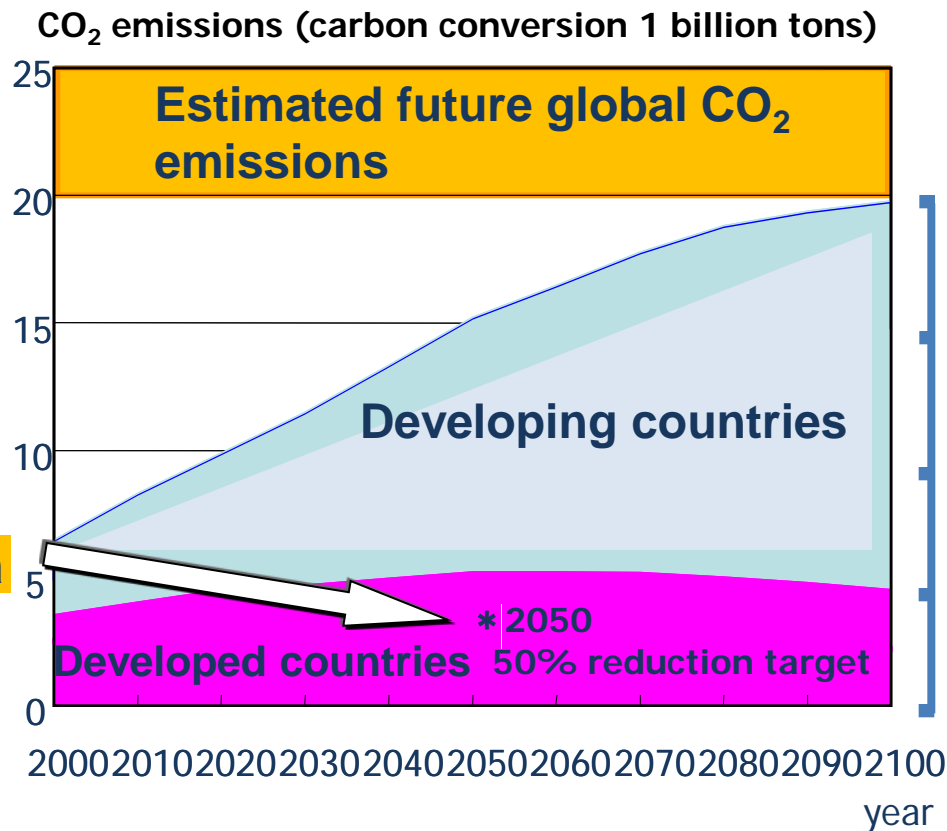
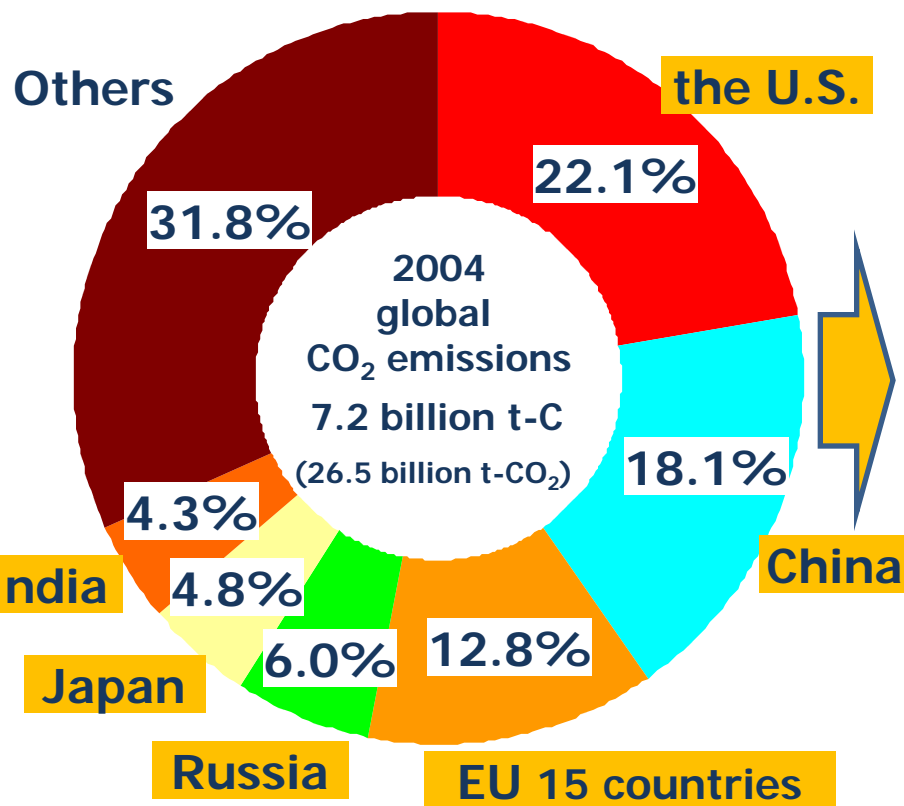
Shuzo NISHIOKA

Secretary-General, LoCARNet Secretariat

Institute for Global Environmental Strategies (IGES)

Cooperation with developing countries is key

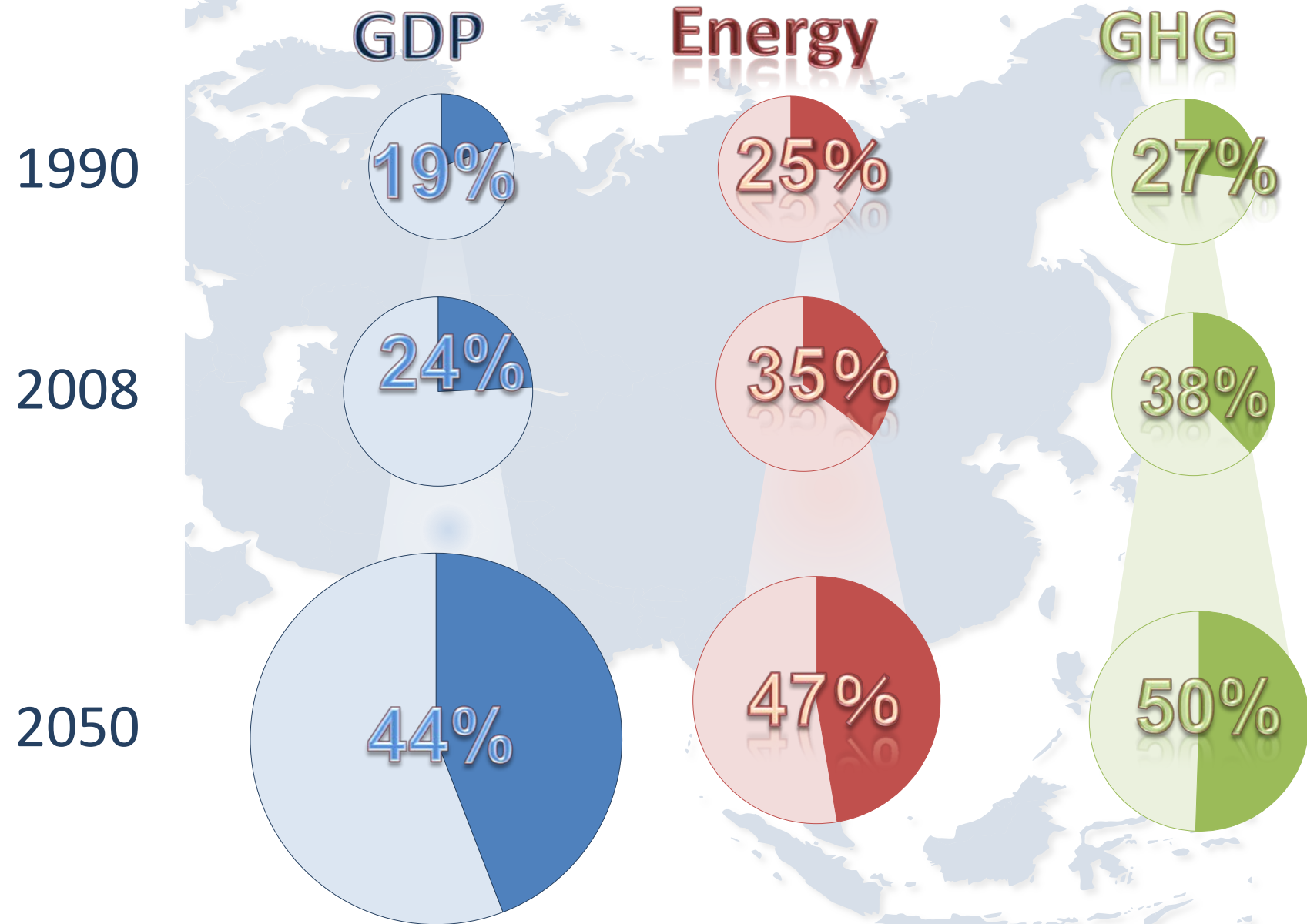
- As significant worldwide reduction is essential



Made by the Ministry of the Environment, Japan based on Energy & Economics Statistics in Japan (2007 version)

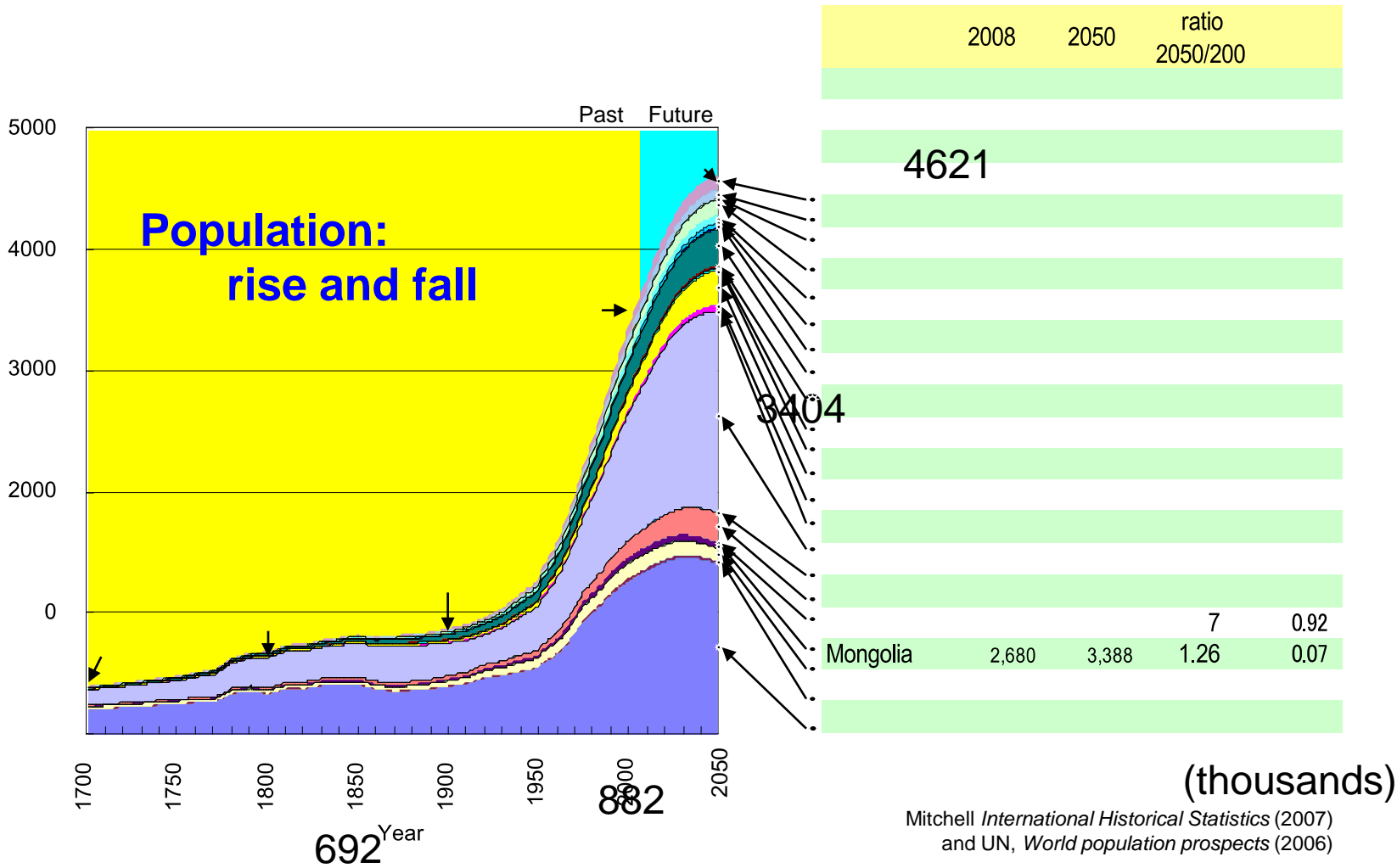
Sources: Kainuma et al., 2002: Climate Policy Assessment, Springer, p.64.

Growing importance of actions towards low-carbon development in Asia



Asia 40 years into the future

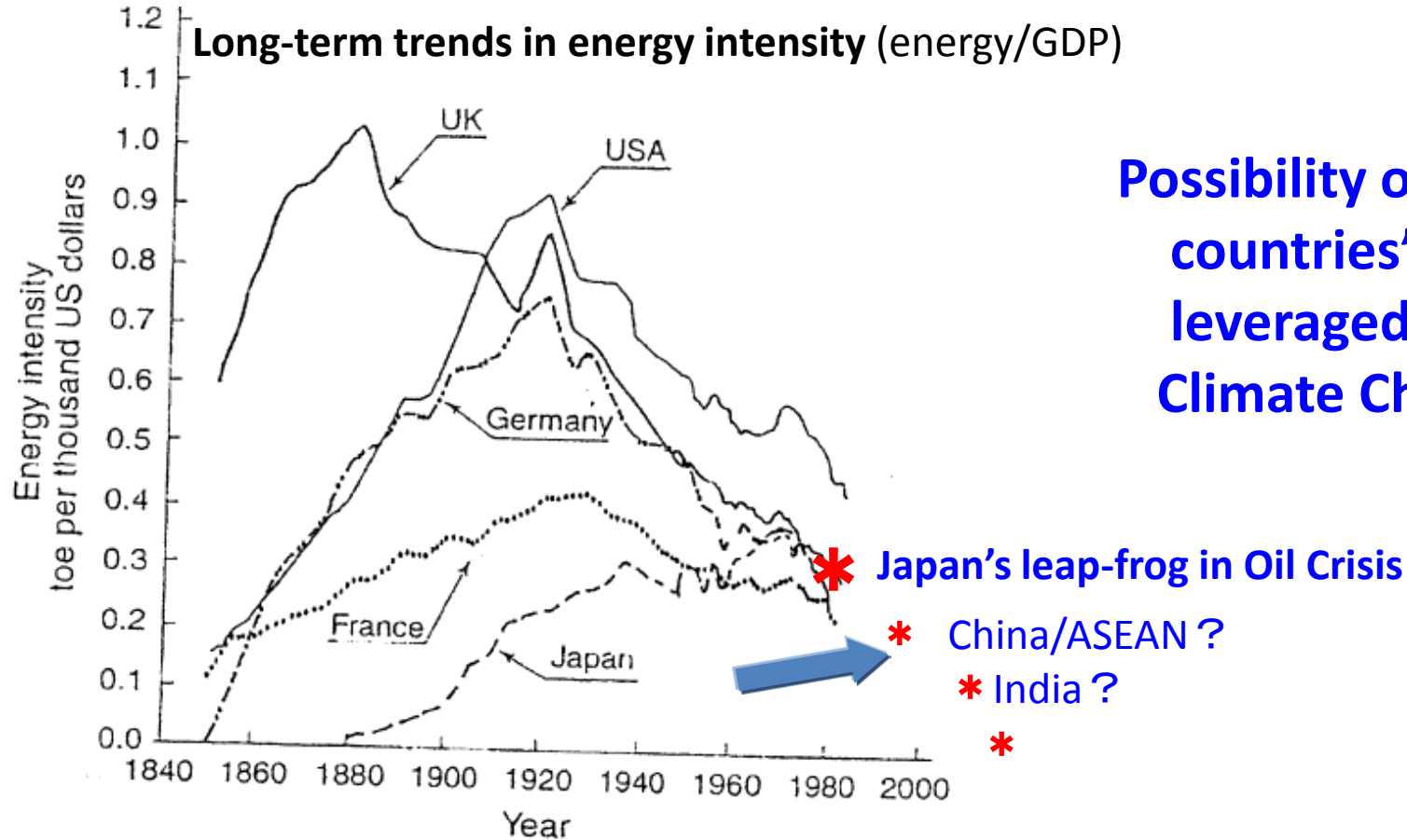
Population explosion will cease except in the South Asia region, while some countries' populations will begin to shrink



Mitchell *International Historical Statistics* (2007) and UN, *World population prospects* (2006)

Opportunities for Asia:

Freedom from past track of highly energy-dependent technologies



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?

Asian Low Carbon Society Research Network: LoCARNet

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

Proposed at ASEAN + 3 2012
by Government of Japan

The 1st Meeting held in Bangkok, October 21-22

The 2nd Meeting to be held in Yokohama on July 23-24



Rizaldi

Bundit

Jiang

Ho Chin

Sirintornth

Mikiko

Hak MAO

Yutaka

Mohamad



LoCARNet - Activities and Uniqueness

- **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 Collaboration**: LoCARNet aims to increase in research capacity in the AP region through knowledge sharing and information exchange, in the scheme of regional cooperation.

Workshops and consultations in Asian countries

Indonesia



- Low Emission Development Scenarios (LEDs) of Energy Sector: Preliminary Result of Asia-Pacific Integrated Modeling (AIM) exercise (June 2012)
- Indonesia Workshop: Research Cooperation on “Development of Low-Carbon Strategies” (Feb. 2013)

Cambodia

Cambodia Workshop: A Systematic and Quantitative Design of Low Carbon Development Plan for Cambodia (April 2012)



Thailand

- LoCARNet 1st Annual Mtg. (Oct. 2012)
- Development of Asia Low-Carbon Strategy and Roadmap 1st Kick off Meeting (Oct. 2012)



Vietnam

Vietnam Workshop: Low Carbon Society in Vietnam (April 2013)



Malaysia

Int'l workshops in Iskandar, Malaysia



LoCARNet 1st Annual Meeting in Bangkok, Thailand



Country reports, Indonesia, Thailand, Malaysia (2010-2012)

Cambodia reports



LoCARNet reports



LoCARNet 1st Annual Meeting, October 2012, Bangkok
2nd Annual meeting, July 2013, Yokohama

Urgent research needs in Asia

The 1st annual meeting, 2012 Bangkok

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

LoCARNet 2nd Annual Meeting in Yokohama, Japan

Low Carbon Asia Research Network
[LoCARNet]
Second Annual Meeting



Wednesday
24 July
2013

» 8:30-17:30

held concurrently with ISAP

Thursday
25 July
2013

» 8:30-18:30



**Drafting Synthesis
Report**
(coming soon!)

Key findings from the 2nd annual meeting of LoCARNet

- **Asian countries have the capacity and the potential to mitigate greenhouse gas emissions to achieve the global 2°C target**
- **Low carbon technology has implications beyond the technological domain.**
- **City and local level actions can make cities into pioneers leading to a low carbon Asia**
- **Asian leapfrogging still needs to be catalysed from various aspects**
- **A knowledge platform is an effective way to respond to urgent requests from policymakers**

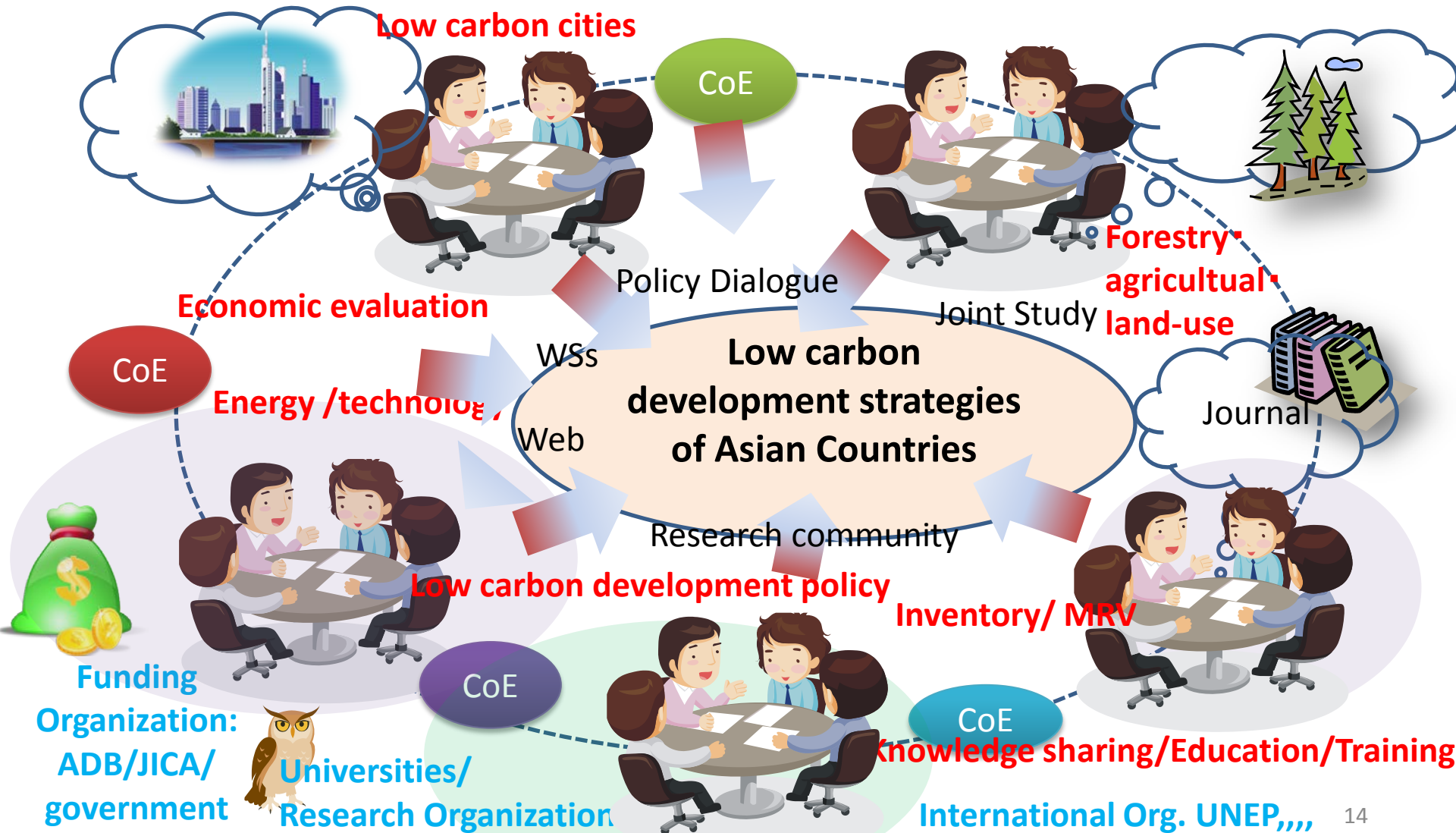
Questions and urgent research needs in Asia

The 2nd annual meeting, 2013 Yokohama

- How to effectively implement **capacity building** for developing countries?
- What are the **reduction potentials of Asian countries** to achieve two degree stabilization targets?
- What is the role of **cities** in achieving global Low Carbon Society?
- How can **research projects** effectively be funded and operated for low carbon future in Asian region?
- How can the quality, effectiveness and adoption of **green growth planning and implementation** at all Levels and in all regions be improved?
- What it takes to facilitate **low carbon technology** in Asia?
- How to realise the potential for emission reduction from the **forestry, agriculture and land-use sectors**?

Center for Low Carbon Asia Strategies (CLOCAS)

Alliance of Centers of Excellence for Low Carbon Development Strategy in Asia





Thank you very much for your attention!

LCS-RNet/LoCARNet Secretariat

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



c/o Institute for Global Environmental Strategies (IGES)

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

E-mail: lcs-rnet@iges.or.jp

Fax: +81 (0)46 855 3809

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



15th AIM International Workshop on 20-22 February 2010



Asian Modeling Meeting at Tsukuba on 17-18 September 2009



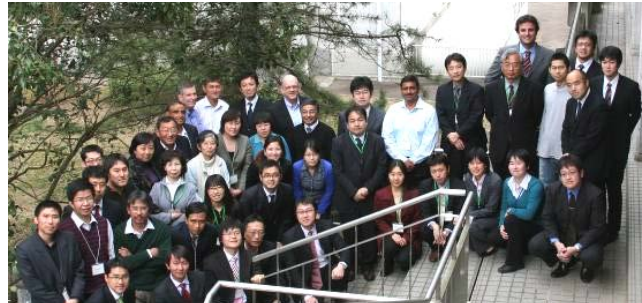
1st AIM International Workshop on 1-2 February, 1996



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



AIM Training Workshop on 27-31 October 2008



14th AIM International Workshop on 14-15 February 2009



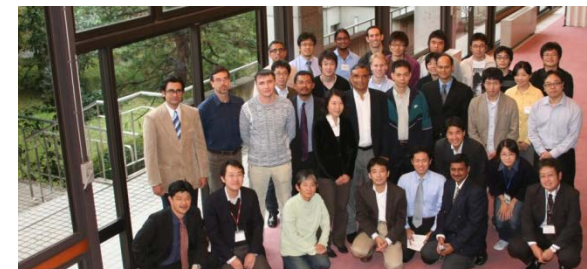
16th AIM International Workshop on 19-21 February 2011



AIM Training Workshop on 16-20 October 2006

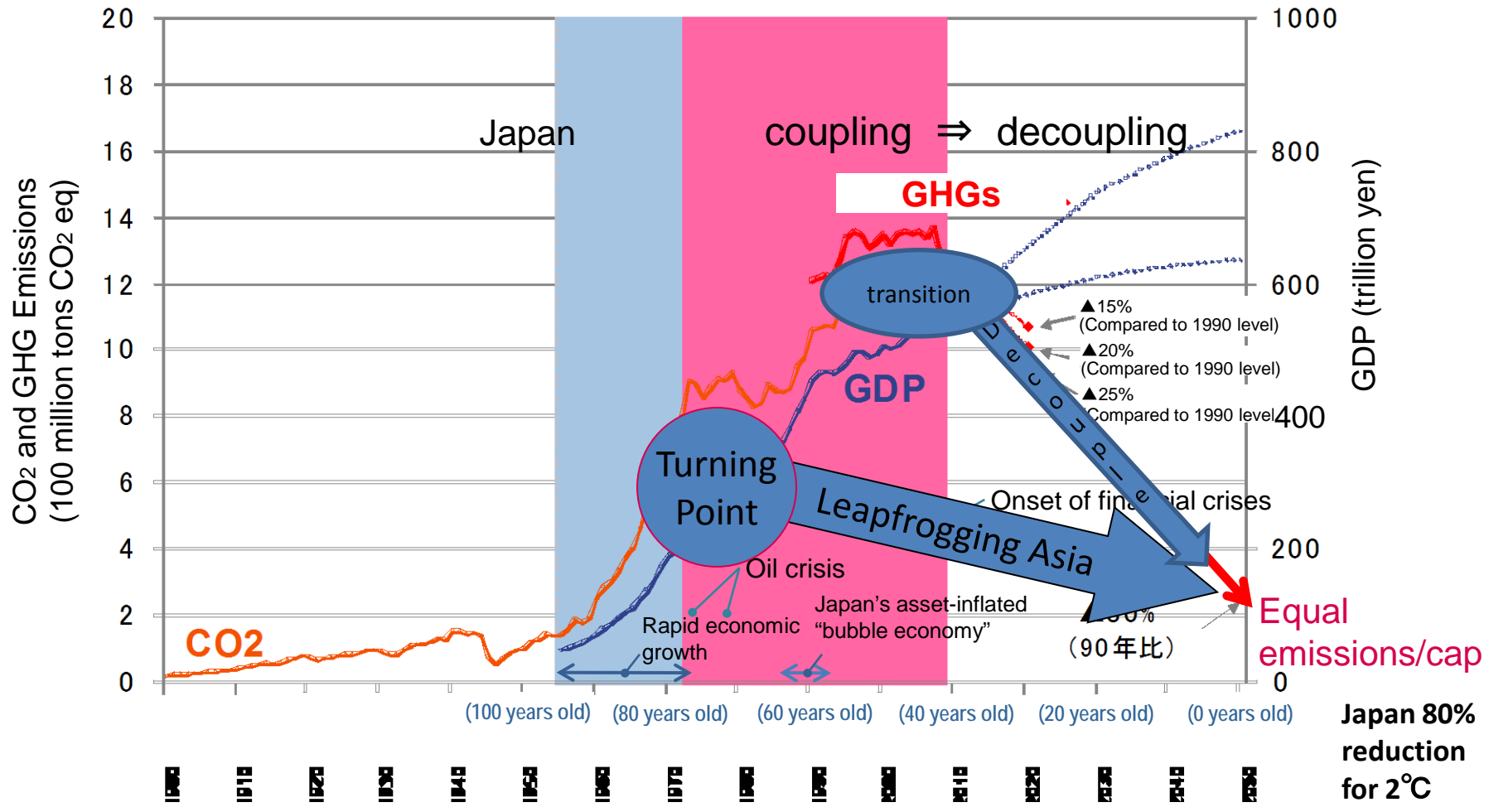


AIM Training Workshop on 2-14 August 2010



AIM Training Workshop on 22-26 October 2007

New development paths for Japan and Asia towards low carbon world



Future GDP: Based on scenarios A and B from the NIES Low Carbon Society Research Project 2050