

Carrying out the Paris Agreement: Role of research communities in supporting scientific climate policy

*APN, LoCARNet and AIT/RRCAAP
Capacity Building Workshop and Science-Policy Dialogue on LCD
06-08 February 2017, Bangkok, Thailand*

*6 February 2017
AIT Conference Centre*

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Contents:

- *Why capacity development is urgently needed in context of Paris Agreement?*
- *Present circumstances and opportunities of capacity building for LCD in developing countries, particularly in Asia*
- *Role of research community and Low Carbon Asia Research Network (LoCARNet) as practical example*

Why capacity development is urgently needed in context of Paris Agreement? - 1

- *Paris Agreement refers to importance and urgency of capacity development for LCD*
- *Every country needs to form **long-term low-GHG emission development strategies**, in the light of **different national circumstances**" (Article 4)*

→ CB for scientific/quantitative knowledge, firmly grounded in their home countries is necessary

Why capacity development is urgently needed in context of Paris Agreement? - 2

- *Paris Agreement leads to a new era for action and implementation towards realising low-carbon societies, where not only national governments but also **non-state stakeholders** such as **cities, local governments, businesses, financial organisations and civil society** will be focused on as actors of transition*
- ***Actual actions on the ground at all levels** will take centre stage*
 - *Science-based knowledge should be widely disseminated to facilitate actions amongst stakeholders.*

Present circumstances and opportunities of CB for LCD in developing countries, particularly in Asia - 1

- *Asia has crucial roles and responsibilities in terms of climate stabilisation. If current trends continue, Asia is forecast to account for **half of planet's GDP, energy consumption and CO2 emissions** in 2050*

Present circumstances and opportunities of CB for LCD in developing countries, particularly in Asia - 2

- *Asia maintains high economic growth rates and continues to invest*
 - *Goal of Asia is to ensure that their infrastructure development does not lock them into a high carbon development pathway*
 - *Commitments should be geared towards maximising development opportunities and obligations*
- CB for supporting **developing countries' leapfrog development** should be put forward

What is Low Carbon Asia Research Network (LoCARNet)? - 1

- *Open network of researchers, policymakers and like-minded stakeholders*
- *Established in 2012 with firm conviction that only way to accomplish development along new pathway in very short time is by **fostering domestic and within-region research communities***
- *Facilitates formulation and implementation of science-based policies and actions for LCD in Asian region*

What is Low Carbon Asia Research Network (LoCARNet)? - 2

- *IGES (Japan) has served as Secretariat, in close collaboration with NIES AIM (Asia Pacific Integrated Assessment Model) project team*
- *Funded by MOEJ, MOFAJ, JICA, APN...*
- *Since 2012, has arranged **34 meetings** with **2,132 participants**, including **15** CB workshops, **4** policy dialogues, and **5** annual meetings*
- *Main Activities: CB for fostering research communities, link scientific knowledge with policymaking and actions, knowledge sharing...*

Distinguishing features of LoCARNet

- LoCARNet is a **network of leading researchers, research organisations and like-minded relevant stakeholders** deeply involved in low-carbon growth policy processes in the Asian region.
- **Science-science, science-policy dialogue:** LoCARNet promotes research on policies for low-carbon growth by enabling sufficient levels of dialogue among and between scientists and policymakers.
- **Domestic ownership of knowledge:** LoCARNet encourages collaboration amongst researchers in-country whose research capacity and scientific knowledge are firmly grounded in their home countries
- **Regional south-south collaboration:** LoCARNet aims to increase research capacity in the AP region through knowledge-sharing and information exchange as part of regional cooperation - not only N-S, but also S-S cooperation

Low Carbon Asia Research Network



Toshihiko
MASUI
Japan



Junichi FUJINO
Japan



Mikiko
KAIMUMA
Japan



Tae yong JUNG
ROK



Ucok Wrsiagian
Indonesia



Retno Gumilang
Dewi
Indonesia



Damasa
Macandog
Philippines



Priyadarshi
SHUKLA
India



Jiang Kejun
China



Bundit
LIMMEECHOKCHAI
Thailand



Srintonthep
Towprayoon
Thailand



Rizaldi BOER
Indonesia



Ho Chin
SIONG
Malaysia



Hak Mao
Cambodia



Nguyen Tung Lam
Vietnam



LoCARNet Activities – Fostering Research Communities - 1

CB Workshop for Cambodia, Lao PDR, and Myanmar

Date & Venue: 26 Sept. 2016, Phnom Penh, Cambodia

83 Participants

- Present and Discuss **Low Carbon Development Plan towards 2050 in Cambodia**, by AIM
- Cambodia's line ministries presented and shared exiting national policies and strategies on climate change responses and LCD
- Share other Asian countries experiences
- Proposal to form a researchers network in Cambodia



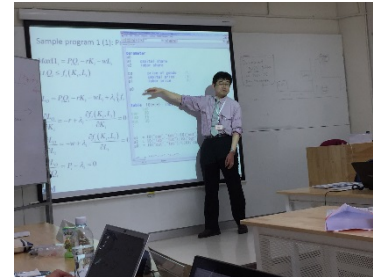
LoCARNet Activities – Fostering Research Communities - 2

AIM training workshop: Preliminary meeting

Date & Venue: **30 Jan. – 1 Feb. 2017**,
Sirindhorn International Institute of
Technology, Thammasat University, Thailand

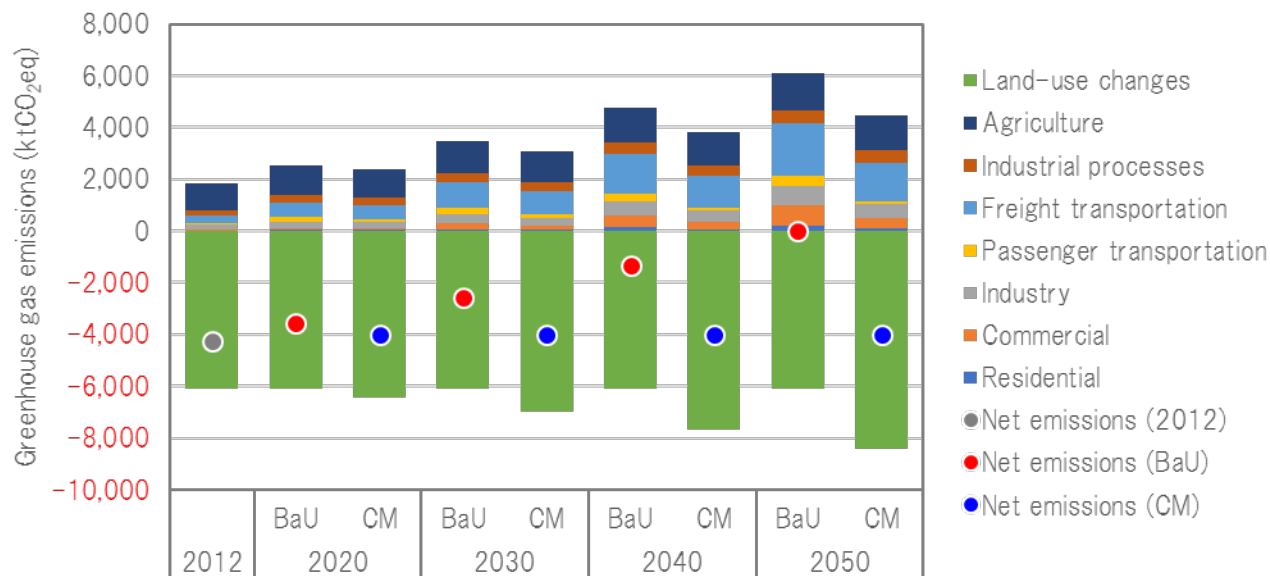
24 participants from 8 Asian countries

- Conduct overall presentation (1/2 days),
ExSS model (1/2), CGE (1/2), Enduse (1/2),
Group discussion (1/2)
- Many favorable comments → Next time?



LoCARNet Activities – Link Scientific research with policymaking

- Preliminary future projections by AIM-ExSS – Bhutan's greenhouse gas emissions and absorption up to 2050
- Emissions might exceed its absorption in 2050 if additional LC measures are not introduced



Meeting w/ NEC (Oct.2016)



Meeting w/ Royal Univ.
Bhutan (Oct.2016)

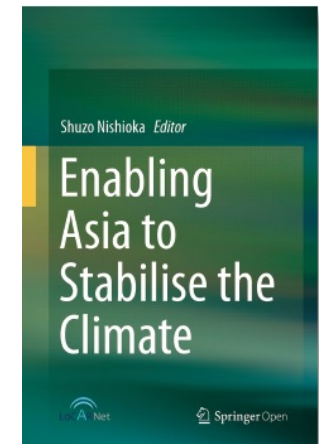
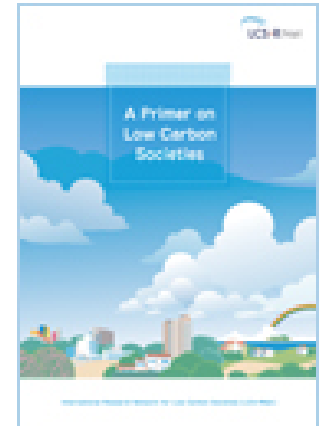
LoCARNet Activities – Knowledge Sharing

LoCARNet 5th Annual Meeting

- *Date & Venue: **25-26 Oct. 2016, Bandung**, Indonesia*
- **84 participants**
- *Themes (Pressing issues in Asia): Low-carbon cities, Innovative monitoring systems, Land use, Adaptation, Formulation and implementation of NDCs*
- *1st in Bangkok (2012): Scope out topics for the network to address*
- *2nd in Yokohama (2013): Discuss how to advance its activities*
- *3rd in Bogor (2014): “Asia is ready to stabilise the climate”, Asia’s high potential in attaining the 2-degrees target*
- *4th in Iskandar (2015): “Asia is ready to contribute”*
- *5th in Bandung (2016): “Asia has already taken actual action”*

LoCARNet Activities – Outreach & Public Relations Activities

- **A primer on Low Carbon Societies**
(March 2016)
- **Joint authorship and publishing books and reports**
 - “Enabling Asia to Stabilise the Climate” → COP21
 - Publication on 1.5 degrees → IPCC Special Report
- **Newsletters and websites**



Future Direction

- *Yet research communities in Asia are still insufficient, positive signs have also emerged recently*
 - *Ex. Thailand, Malaysia, Indonesia – establish link with science and policy,*
 - *Viet Nam and Cambodia – formed / will form research communities*
- *Bridge science to actions and implementations in close collaboration with experts in this region*

<Pre Announcement> LoCARNet 6th Annual Meeting

- **Late October 2017 in Bangkok, Thailand**
- *To be held in conjunction with the Third International Conference of Low Carbon Asia & Beyond - **ICLCA 2017***

**3rd International
Conference of Low
Carbon Asia & Beyond
ICLCA 2017**



**25 – 27 OCTOBER 2017
BANGKOK, THAILAND**



Thank you very much for your kind attention!



LoCARNet Secretariat

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

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