

# What is LoCARNet?

- Proposed at **ASEAN+3 EMM** in October 2011
- An open network of researchers, research organisations, as well as like-minded relevant stakeholders that facilitates the formulation and implementation of science-based policies for low-carbon development in Asia
- Role: Formation and strengthen research community to support low carbon development in Asia
- Three major activities: policy dialogue, knowledge sharing, and capacity development





Junichi FUJINO  
Japan



Nguyn Tung Lam  
Vietnam



Rizaldi BOER  
Indonesia



Ho Chin SIONG  
Malaysia



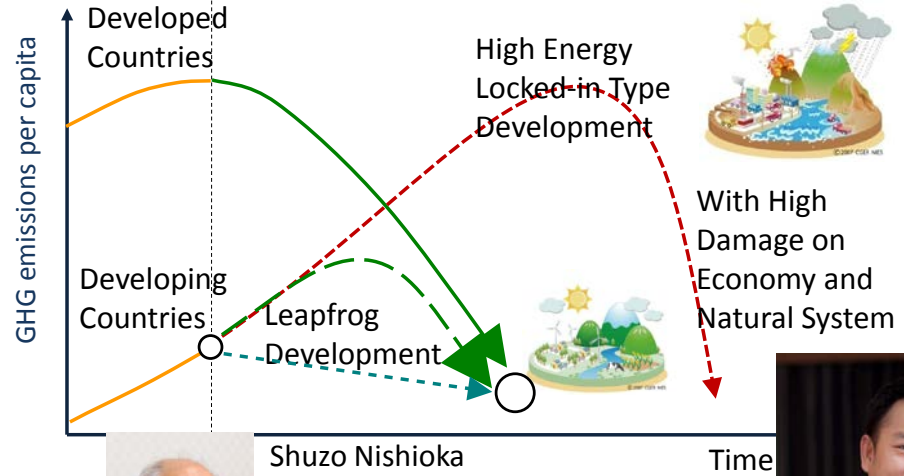
Priyadarshi SHUKLA  
India



Mikiko KAIMUMA  
Japan



Bundit LIMMEECHOKCHAI  
Thailand



Srintornthep Towprayoon  
Thailand



Shuzo Nishioka  
Japan  
Secretariat



Jakkani KANANURAK  
Thailand



Jiang KEJUN  
China



# Facilitating knowledge sharing through annual meetings and other opportunities



**LoCARNet 3<sup>rd</sup> Annual Meeting**  
**24-26 Nov. 2014**  
**@ Bogor, Indonesia**

**LoCARNet 4<sup>th</sup> Annual Meeting**  
**@ Malaysia**

## Outputs/activities

- LoCARNet organised two **Annual Meetings**.
- LoCARNet Secretariat compiled **synthesis reports** which were distributed at side-events at UNFCCC-COP and other international meetings/fora.
- At the **COP19 LoCARNet side-event** in Nov. 2013, research results on GHG reduction potential in Asia were delivered to the world.



## Impacts

- Research capacity and knowledge sharing for low-carbon society was further improved through the organising of the LoCARNet Annual Meetings.
- Future research agendas on low-carbon societies were enhanced through network collaboration.
- Research findings strengthened policy makers understanding of GHG reduction potential in Asia.



## What research area/ topics should be strengthened using synergy of regional cooperation?

### Ex.

- **Inventory data of region specific items**
- **Energy demand side data**
- **Development of forestry and land-use simulation model**
- **Utilization of integrated assessment models for nationally/  
regionally harmonized LC policy**
  
- **Economic evaluation methodology for Low carbon growth**
- **Low carbon city management**
- **Comparative study of effectiveness of LC policy and measures  
among region**
- **Reform of power system**
  
- **Transportation system: good practices**
- **Waste management in relation to LC policy**
- **Mobilizing local society**
- **Asian value and behavior**
- **.....**

# LoCARNet Bogor Declaration

## Asia Is Ready to Stabilise Climate

Recognising the huge risk of climate change to human well-being predicted by science communities; welcoming the start of a new global regime to avert it; confirming the growing importance of regional cooperation for low-carbon transition; and drawing upon Asian wisdom to contribute in stabilising climate,

The participants of the LoCARNet 3rd Annual Meeting reaffirm that:

1. Asia has research capacity; Asia has research networks which support policy-making.
2. Asia has potential for low-carbon transition which is adequate to contribute to the two degrees temperature stabilisation target.
3. Asia has the technological, financial and institutional capacity to facilitate low-carbon actions.
4. Many 'good practice' examples exist and their replication is challenging. Continued technological and institutional innovations are needed to support the transition to a sustainable low-carbon society.
5. Asia is ready to make due contribution to global climate stabilisation.

However

1. Diversity among Asian nations poses challenges for framing uniform policies, but provides opportunities for discovering a range of options. Regional cooperation for low-carbon research is therefore challenging as well as rewarding.
2. Asia houses a sizable fraction of low-income families. Their development needs require special attention to ensure that their welfare is not compromised.

Low-carbon research in Asia shows that timing is critical; lock-ins must be avoided and all 'leapfrogging opportunities' should be seized and realised by positive actions, supported by global climate policies, including technology transfer and incremental finance.

Asia is ready for low-carbon transition and awaits signals from the Paris Climate Change Agreement to deploy actions towards climate stabilisation

26 November 2014

Low Carbon Asia Research Network (LoCARNet)\*

\*[http://lcs-rnet.org/about\\_locarnet/](http://lcs-rnet.org/about_locarnet/)

# 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 2013)



## Vietnam

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



## Thailand

- LoCARNET 1<sup>st</sup> Annual Mtg. (Oct. 2012)
- Development of Asia Low-Carbon Strategy and Roadmap 1st Kick off Meeting (Oct. 2012)



## Malaysia



Int'l workshops in Iskandar, Malaysia (2012-2013)

# Improving capacity of researchers and experts supporting low-carbon development policy in Asia



CB WS for  
Cambodia, Lao PDR,  
and Myanmar



LoCARNet Special  
Correspondent  
Programme

Internship  
Programme



Curriculum  
Development at  
CITC, Thailand



## CB workshop for Cambodia, Lao PDR, and Myanmar (in February 2014)

- Having Cambodia, Lao PDR and Myanmar utilising its own capacity to present GHG emission reduction potentials in a quantitative manner;
- Advancing the organisation of research communities in-country, so that they can enhance policymaking in a more effective manner;
- Providing opportunities for researchers and policymakers to engage in discussion;





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



**AIM Training WS since 1991  
for integrated policy making**



Asian Modeling Meeting at Tsukuba on 17-18  
September 2009



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

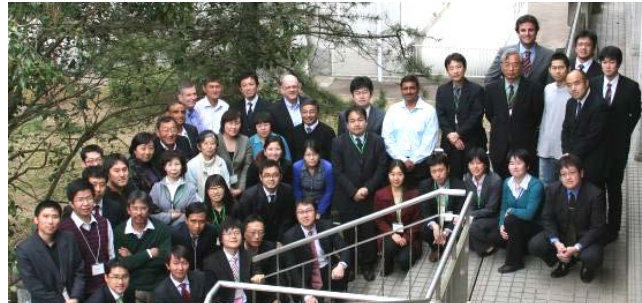
15th AIM International Workshop on 20-22  
February 2010



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

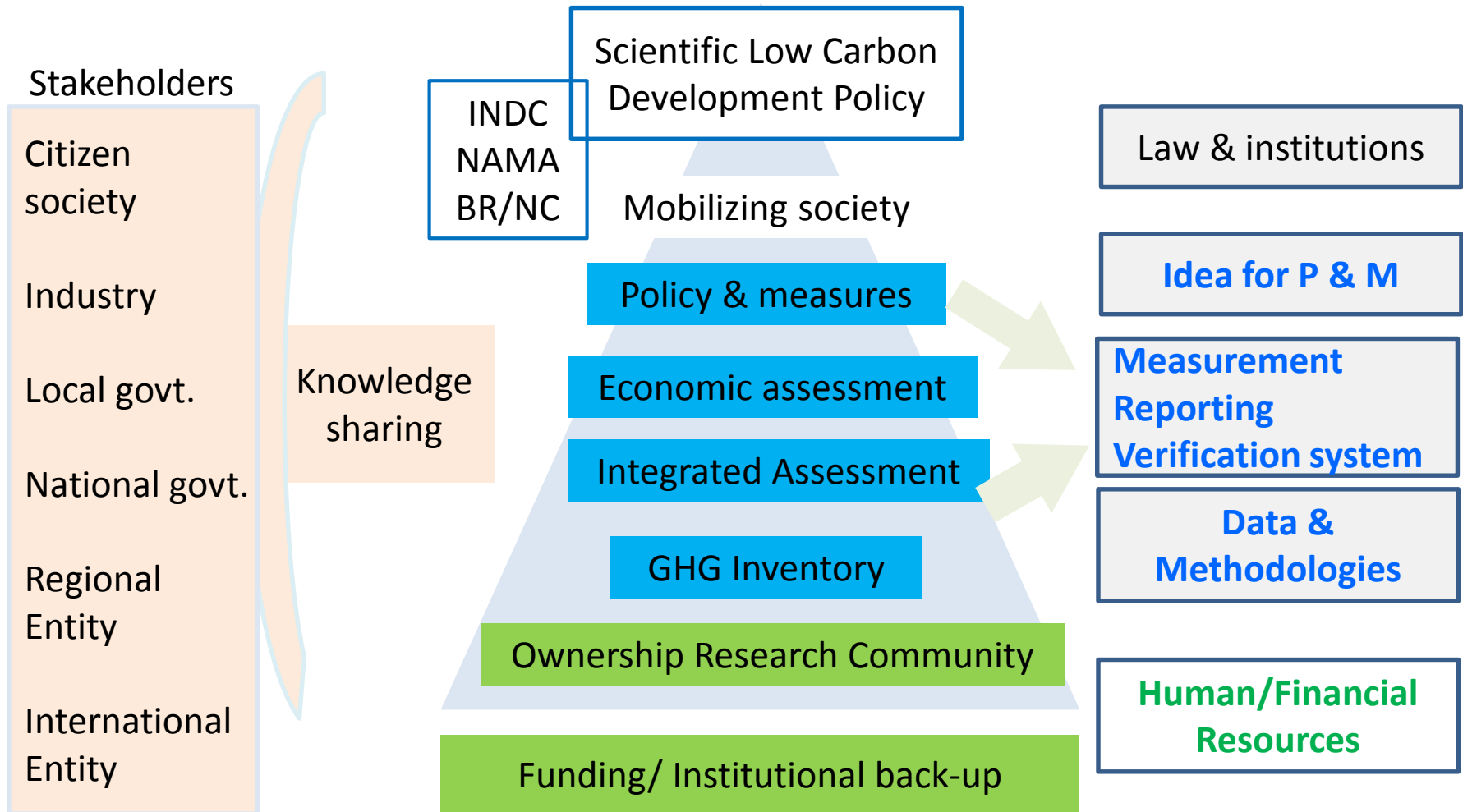


AIM Training Workshop on 2-14  
August 2010

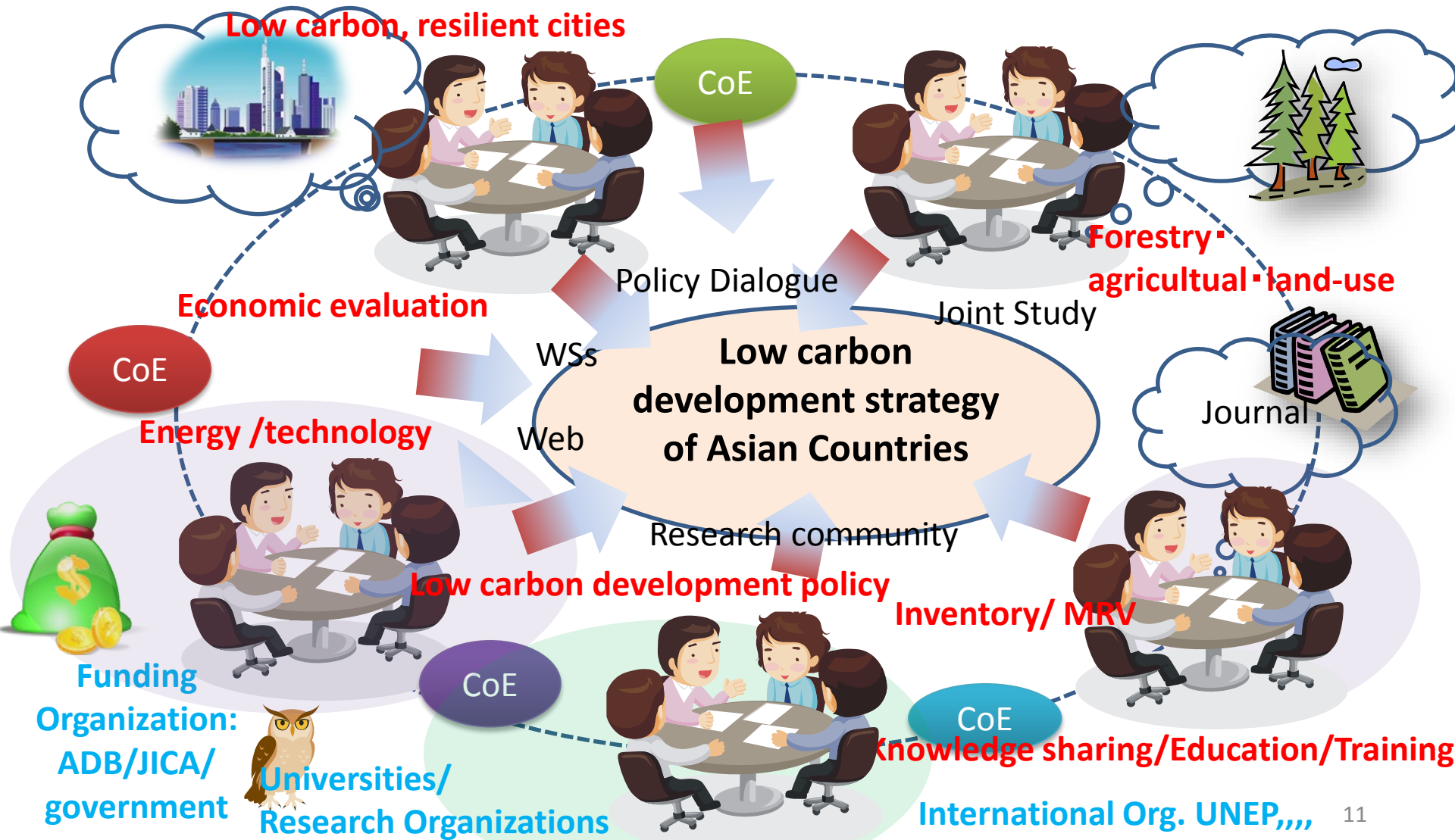


AIM Training Workshop on 22-26 October 2007

# Elements Supporting Scientific Low Carbon Development Policy & Intended Nationally Determined Contribution: INDC



# Future of Low Carbon Asia Research Network Alliance of Centers of Excellence for Low Carbon Development Strategy in Asia



# LoCARNet: Toward Low Carbon, Resilient and Sustainable Asia

Activities → Accumulation → Dissemination → Impact



## Homeworks

Activity Funding    Research Funding    Network Governance    Participation Enhancement



# Future of LoCARNet

## 1. **Comprehensive activities**

- Considering INDCs is important.
- How to keep key contents and introduce new contents is important
- We need to brand the name of LoCARNet for producing impacts to policymakers
- In January or February, after COP21, 5-page statement on roadmap of LoCARNet should be prepared for appealing importance of LoCARNet to donors.

### – 2. **Agenda for the next annual meeting (potential topics to be discussed)**

- Gaps between INDCs and 2degree Celsius target
- INDC should be main topic, not only national level but also local one
  - Level of commitments by INDCs
- Science-based solution for achieving INDCs
- Not only climate change issues but also sustainable development issues
- Network of universities for developing joint curriculums for sustainability
- Development of curriculums for sustainable cities
- Integration of adaptation and mitigation
- Gaps between global and national levels and local levels for addressing CC issues
- Good practices at local levels

### 3. Governance of LoCARNet

- 3 to 4 areas of main focus of activities should be identified.
- We need to develop a very good story for continuing this network.
- Main objective of this network is to affect policies from science side. This main objective should keep.
- It is necessary to promote various stakeholders' participation.
  - How about considering participation from central Asian countries and Pacific island countries?
- Research funding for science-based solution
  - We need to consider what funding agencies want for the network.
- Donors do not like the word “research”.
- We should avoid duplicated activities which other networks have already done.
- It may be good to hold a session on how to develop joint program for universities.
- Collaborative activities are the core of network
- Adding one-day event for university students may be good.



*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](mailto:lcs-rnet@iges.or.jp)**

**Fax: +81 (0)46 855 3809**



# Low Carbon Asia Research Network (LoCARNet)

by research organisations dedicating to LCD policy formation

**Rationale:** In order to strengthen Asia's fundamental and sustained capacity in formulating science-based policies for low-carbon development, and to carry out "leapfrog" development in Asia for global climate stabilisation, launching a network called the "Asia Research Network for Low Carbon Development" can be considered.

**Mechanism:** A platform for knowledge sharing and capacity building of in-country researchers, composed of research communities deeply involved in low-carbon development policy processes. Active researchers in-country will work together with Japanese researchers on practical matters—not reports for the bookshelf.

**Objective:** To strengthen the scientific base for LCD policies by proactively exchanging the knowledge rooted in the region between policy makers and researchers.

**Characteristics:** A self-independent, autonomous research network, operated through voluntary initiatives by researchers in each country.

**Organisation:** A network of COEs (Centers of Excellence) designated as country focal points. Managed by a steering group and secretariat.

**Funding:** Contributions are expected not only from donor countries but also from international organizations and from ASEAN countries themselves.

**Action Schedule:** **Proposed** at the ASEAN+3 EMM on 19 Oct. 2011: plan to be launched at East Asia Climate Dialogue early April 2012 at Tokyo

## Role of Research Community in INDC Process

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- *Process of formulating INDC;*
- *Participation of research community in preparing INDC;*
- *Planned countermeasures to make INDC more strengthening*
- *How international organizations assist climate policy making e.g. INDC*