



Asia-Pacific Network for Global Change Research

and its

Low Carbon Initiatives Framework

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Asia-Pacific Network for Global Change Research

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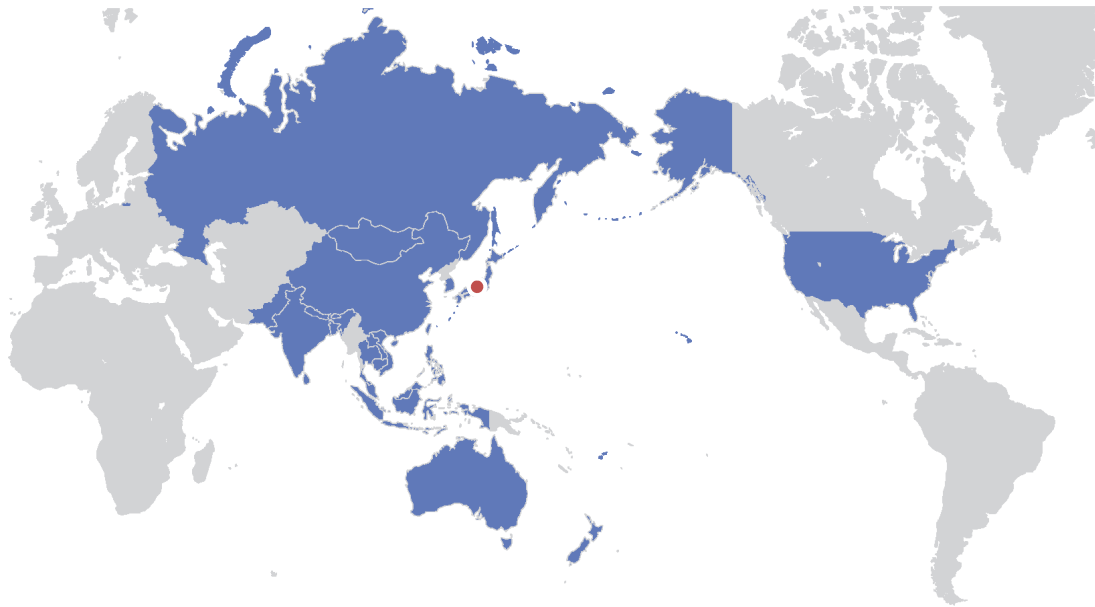
CASS/UNESCAP International symposium on Low Carbon Urbanization and Sustainable Infrastructure



Contents

- **Overview of APN**
- **Core programmes**
- **Low carbon initiatives framework**

- An inter-governmental network of 22 countries in the Asia-Pacific to foster global change research in the region



** Pacific Island Countries, Singapore, Myanmar and Maldives are approved countries whose scientists are eligible to receive funding under APN awards.*

- Established **1996**
- Secretariat in **Kobe**, Japan since 1999
- Financial contribution from four donor countries:
Japan, USA, Republic of Korea, New Zealand
- Financial Resources: **US\$ 3.4 Million** (2013/14)



APN Goals



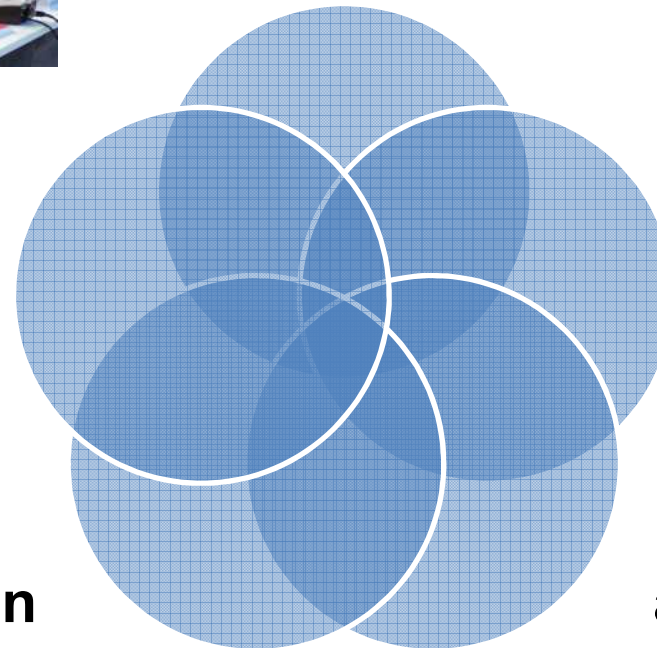
**1. Regional
research
cooperation**



**2. Science-
policy
interaction**



**4.
Collaboration
with other
organisations**



**3. Scientific
and technical
capacity
development**

Science Agenda (3rd Strategic Phase)

1. Climate Change and Climate Variability;
2. Ecosystems, Biodiversity, and Land Use;
3. Changes in the Atmospheric, Terrestrial and Marine Domains; and
4. Resources Utilisation and Pathways for Sustainable Development.

Main Activities (2013/14)

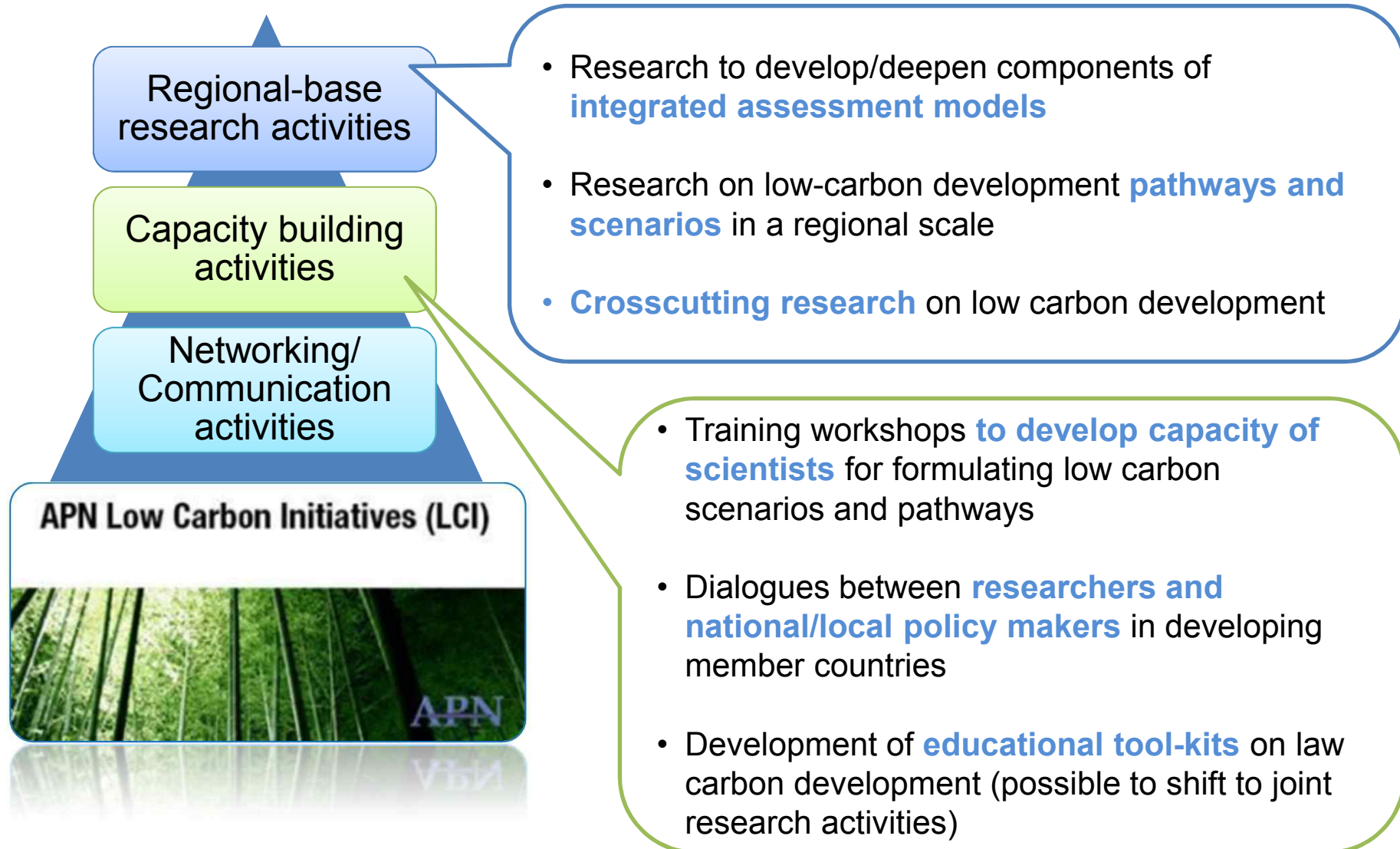
- Funding and managing:
 - regional research projects (ARCP)
 - capacity building projects (CAPaBLE)
- Ongoing focused activities:
 - Low Carbon Initiatives framework
 - Climate Adaptation framework
 - Biodiversity and Ecosystem Services framework



Focused Activity

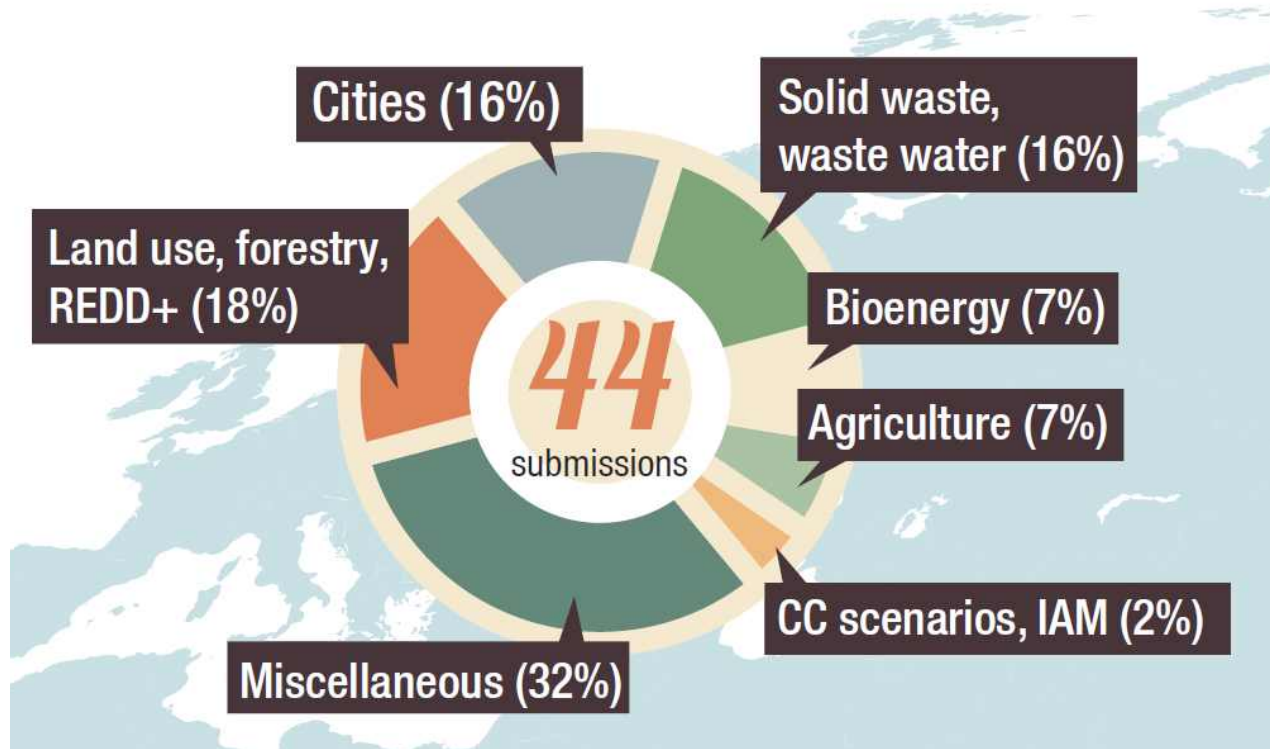
LOW CARBON INITIATIVES

Low Carbon Initiatives Framework



THEMATIC DISTRIBUTION

of LCI Submissions



Key messages:

- Low carbon development requires action from different fields across sectors
- Options for low carbon development in developing countries differ from one country to another

FY 2012 budget: \$300,000

FY 2013 budget: \$460,000

LCI2012-05NMY

Low carbon urban infrastructure investment: cases of China, Indonesia, and Japan

Dr. Joni Jupesta

United Nations University-Institute of Advanced Studies, Tokyo, *Japan*

Ms. Takako Wakiyama

Institute for Global Environmental Strategies, Hayama, *Japan*

Key objectives

- Develop **a new business model/funding mechanism** to sustainably scale up green infrastructure investment;
- **Enhance local governance** to facilitate low carbon city development through technology transfer, foreign investments, and innovative entrepreneurships.

Policy questions to be addressed

1. What is a low carbon city and what is its contribution be to the climate policy agenda?
2. What is a low carbon infrastructure fund and what kind of stakeholders are appropriate for this fund.
3. How to foster cooperation among stakeholders to make the fund effective and efficient?
4. What are good practises for green investment which have been developed in several cities?
5. What are the appropriate technology, market and policy instruments that can be used to foster a low carbon urban infrastructure?
6. What are the appropriate tools and indicators for monitoring the progress of this fund from environmental and economic perspectives?

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- **Countries involved:** China, Indonesia, Japan
 - **Collaborators' areas of expertise:**
 - Sustainability scientists/Economist
 - Financial specialist
 - Practitioner
 - Social systems modeller
 - Environmental engineer

	Ref#	Project title
Capacity Building	LCI2012-01NSY(C)-Maeda	Capacity Building for Implementing a “Measurable, Verifiable and Reportable (MRV)” Model in a Mid-Sized Thai Municipality
	LCI2012-02NSY(C)-Guerrero	Strengthening Community Voices In REDD+ Policy
Regional Research	LCI2012-01NMY(R)-Lakshmi (Nagrath)	Identification of Policy and Institutional Gaps, Drivers and Strategies to Scale-up Low Carbon and Energy Efficient Technology Application in the Construction and Infrastructure Sectors in South Asia
	LCI2012-02NMY(R)-Dhakal	Understanding and Quantifying the Water-Energy-Carbon Nexus for Low Carbon Development in Asian Cities
	LCI2012-03NMY(R)-Lopez	Assessment of Carbon Sequestration through Vermitechnology in Organic Farming
	LCI2012-04NMY(R)-Macandog	Integrated Sustainability Assessment of Bio Energy Potentials in Asia: an Application of a Hybrid Approach on Trade-offs and Pathway
	LCI2012-05NMY(R)-Jupesta	Low Carbon Urban Infrastructure Investment: Cases of China, Indonesia, and Japan

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- Multi-stakeholder involvement
 - Science/policy/practitioner/private sector/the public
 - A regular process to synthesize knowledge available
 - Well-designed and targeted information product for different audiences
 - Research and capacity building
 - Replicability of tools and indicators

For more information...



APN Website:

News, announcements and global change community updates

<http://www.apn-gcr.org/>



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Thank you!