

Potential of international platform for sustainable city development in Asia

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24-25 September 2009 Shenyang, China

This study is supported by Environment Research and Technology Development Fund and Global Environment Research Fund (H-096),
Ministry of the Environment, Japan

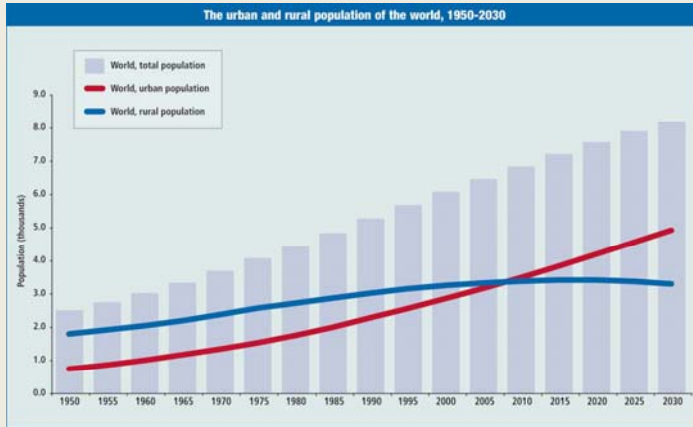
Outline

- Local initiative for sustainable city development: Challenges and opportunities for cities
- Role of intercity network for local initiatives towards sustainable city
- Role of research and knowledge for local initiatives towards sustainable city
- Potential of international platform for sustainable city development

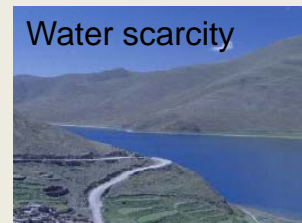
Urbanization and its consequences

Growing cities, growing problems

World Urbanization Prospects: The 2005 Revision



United Nations Department of Economic and Social Affairs



Hiroaki Suzuki, Eco² Cities Program, the World Bank

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Local initiative for sustainable city development

Cities in action

Development practices

Urban planning



City greening and flood control



Biomass power generation



Waste composting



Bus Rapid Transit



Biogas digester

Eco² Cities Program, the World Bank; IGES

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Japanese cities' local initiatives

Local initiatives promoting energy-efficient development



High energy efficiency house



Solar PV



Biomass energy



Light railway traffic



Resource reuse and recycling

- New nation-wide initiatives for sustainable cities
 - **Eco-Model Cities:**
Kitakyushu, Yokohama, Minamata, Kyoto, etc
 - **Promotion Council of the Low Carbon Cities** in Japan

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International city networks for the environment with Asian cities



Environment Cluster



Regional

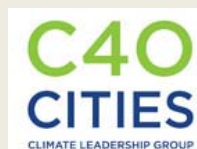


Environment Joint-Project



Southeast Asia
South Asia
Korea
Japan

Global



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Example: Asian intercity climate change initiatives

Intercity network programme	Climate change initiatives
ICLEI-Southeast Asia / South Asia / Korea / Japan	Cities for Climate Protection (CCP) programme, Climate Change and Energy, Local Renewables Initiative
CITYNET	Awareness on Environmental Education in Asian Cities (AWAREE) / Post-AWAREE
CAI-Asia	Co-benefit approach: policy dialogue, networking, implementation
Asian Network of Major Cities 21 / C40	Urban mitigation and adaptation; Advocacy to national governments

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Roles of existing Asian city networks for the environment

Knowledge management

- Knowledge provision through IT
- Workshop / seminar / field study tour
- Bilateral joint-actions



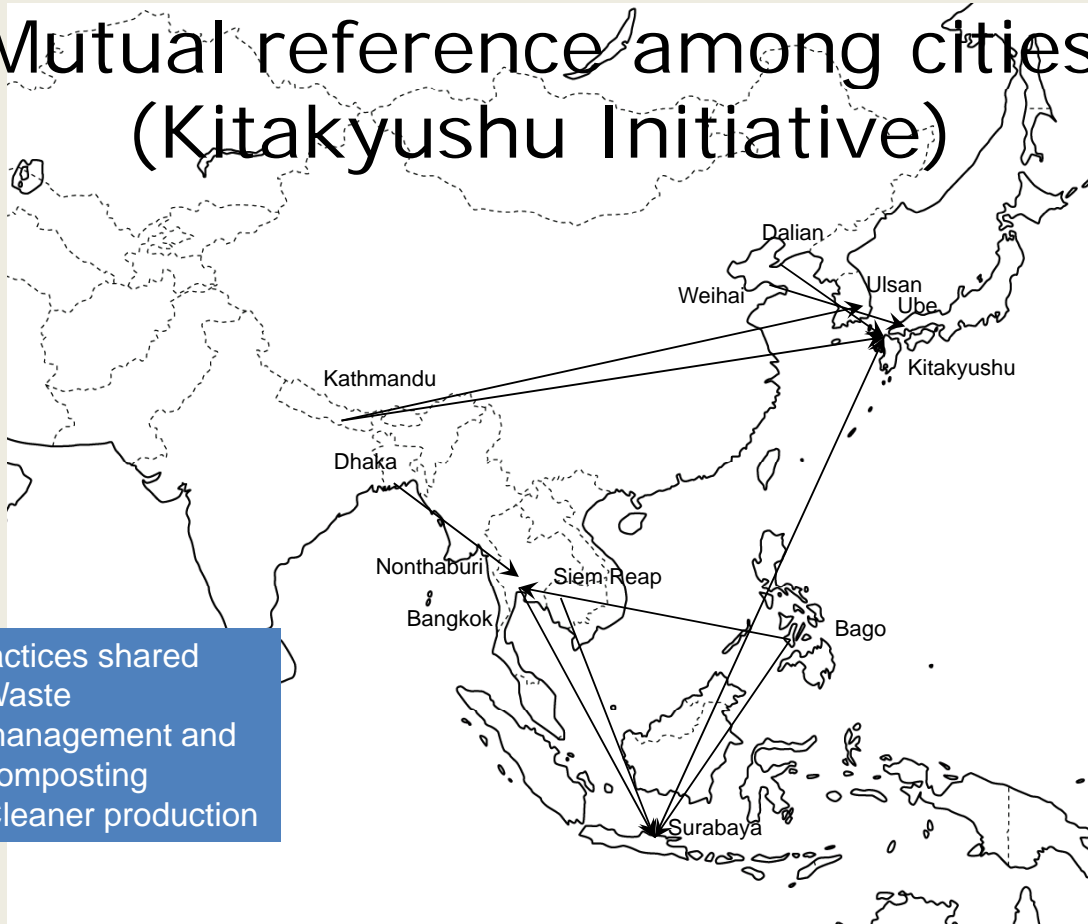
Mutual Reference

Mutual Learning

Practice Diffusion

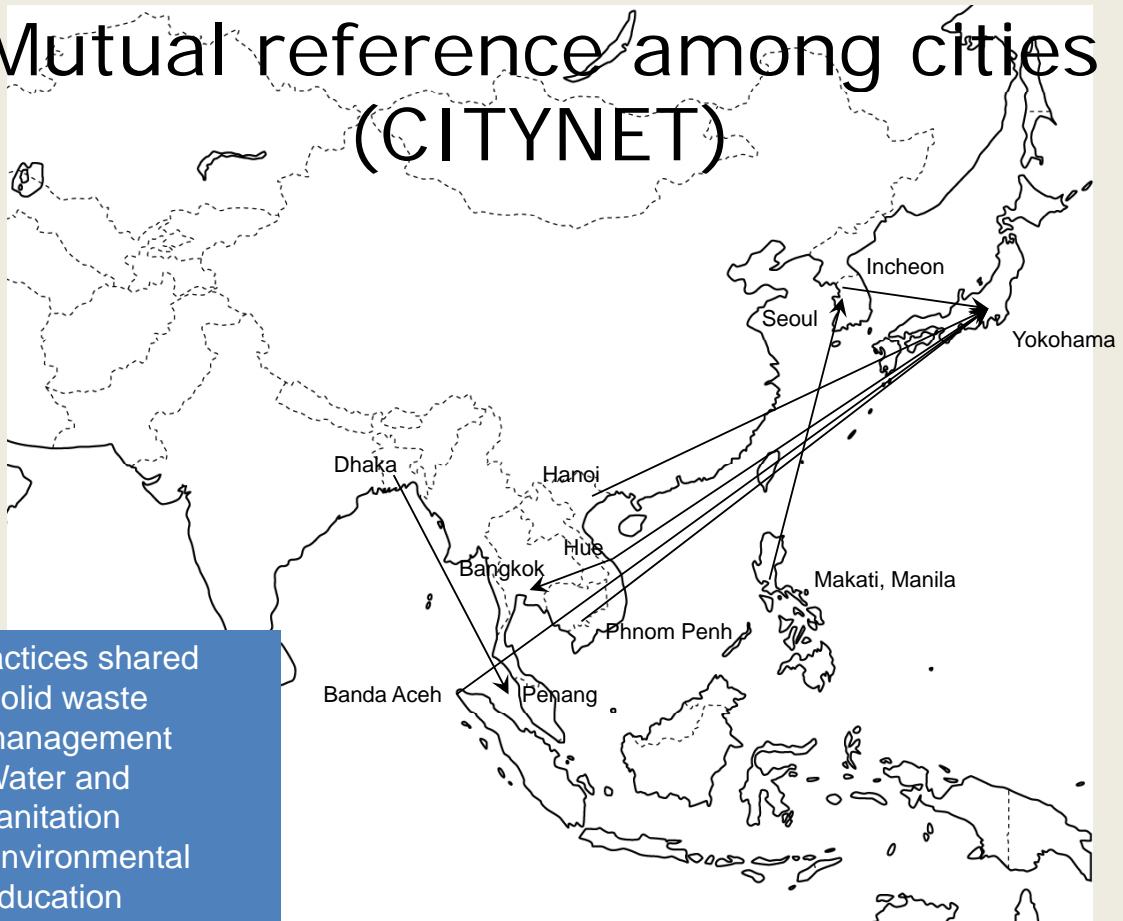
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Mutual reference among cities (Kitakyushu Initiative)



- Practices shared
- Waste management and composting
 - Cleaner production

Mutual reference among cities (CITYNET)



- Practices shared
- Solid waste management
 - Water and sanitation
 - Environmental education

Potential directions for intercity networks

Knowledge management:

- Be active learners
- Link network themes with local issues
- Connecting leaders and share commitment and encourage each others' efforts

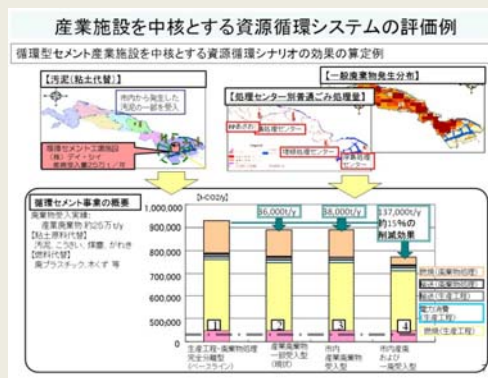
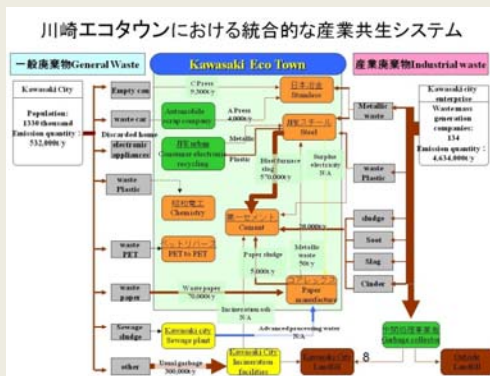
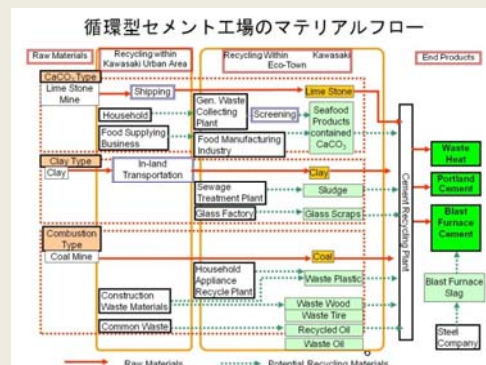
Potential roles of networks:

- Relationship management with external funders for pilot projects / full-scale investment
- Business promotion
- Advocacy to national governments

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Roles of knowledge: Integrated environmental technology / policy assessment, Kawasaki, Japan

National Institute for Environmental Studies, Japan (NIES) has developed and applied **Urban Simulator** - integrated environmental technology and policy assessment model - in Kawasaki, Japan.



Roles of knowledge: Local mechanism to promote household low-carbon practices in Japan

IGES has proposed and implemented collaborative local mechanism between local governments, business and IGES to support “**Eco-Home Diagnosis**” programme to reduce CO₂ emissions, in Hyogo prefecture, Japan.

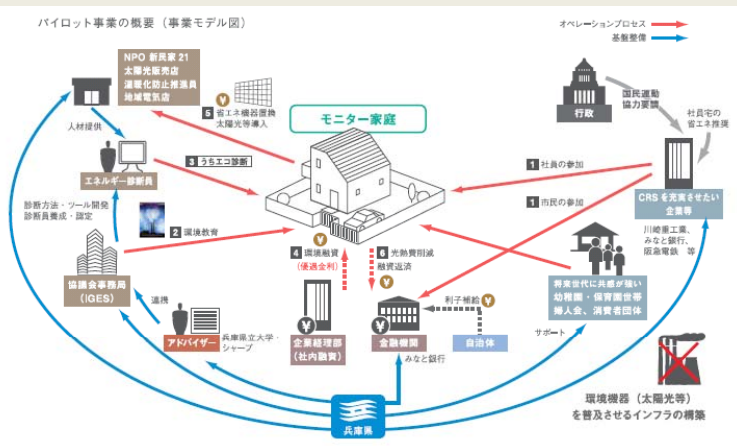
4 Steps for Eco-household

Step 1: Assessment of current emissions and comparison with benchmark

Step 2: Setting target and pathway for emissions reduction

Step 3: Analysis of emission sources

Step 4: Proposal of concrete options to achieve target



Hyogo prefecture, Minato Bank

Roles of knowledge: Kitakyushu Initiative for a Clean Environment

Kitakyushu Initiative: Asia-Pacific international intercity network programme for the environment since 2000

As a secretariat, IGES has supported local governments for identification and dissemination of good practices domestically and internationally



Bangkok, Thailand



Surabaya, Indonesia



Bago, Philippines

Roles of knowledge for local initiatives

- Assessing policy and technology options
- Proposing practical mechanisms
- Producing and disseminating knowledge
- Assisting capacity development
- Linking local actors domestically and internationally, and
- Analysing and proposing policy instruments and international institutions to facilitate local initiatives

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Linking local initiatives with research and study

- Learning by doing, doing by learning, for both sides
 - For local actors: Opportunities of objective assessment, knowledge creation and learning new ideas
 - For researchers: Fields of study and actual engagement in transition towards sustainability
- Common goals and complementary roles
 - Committed change maker on the ground
 - Facilitator of discovering, learning, and change

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Hypothetical international platform for sustainable city

