

FutureCity collaboration between Japan and Malaysia

1. If we cannot go to LCS,...
2. LCS offers higher QOL with less energy demand and lower-carbon energy supply
3. LCS needs good design, early action, and innovations



Designed by Hajime Sakai

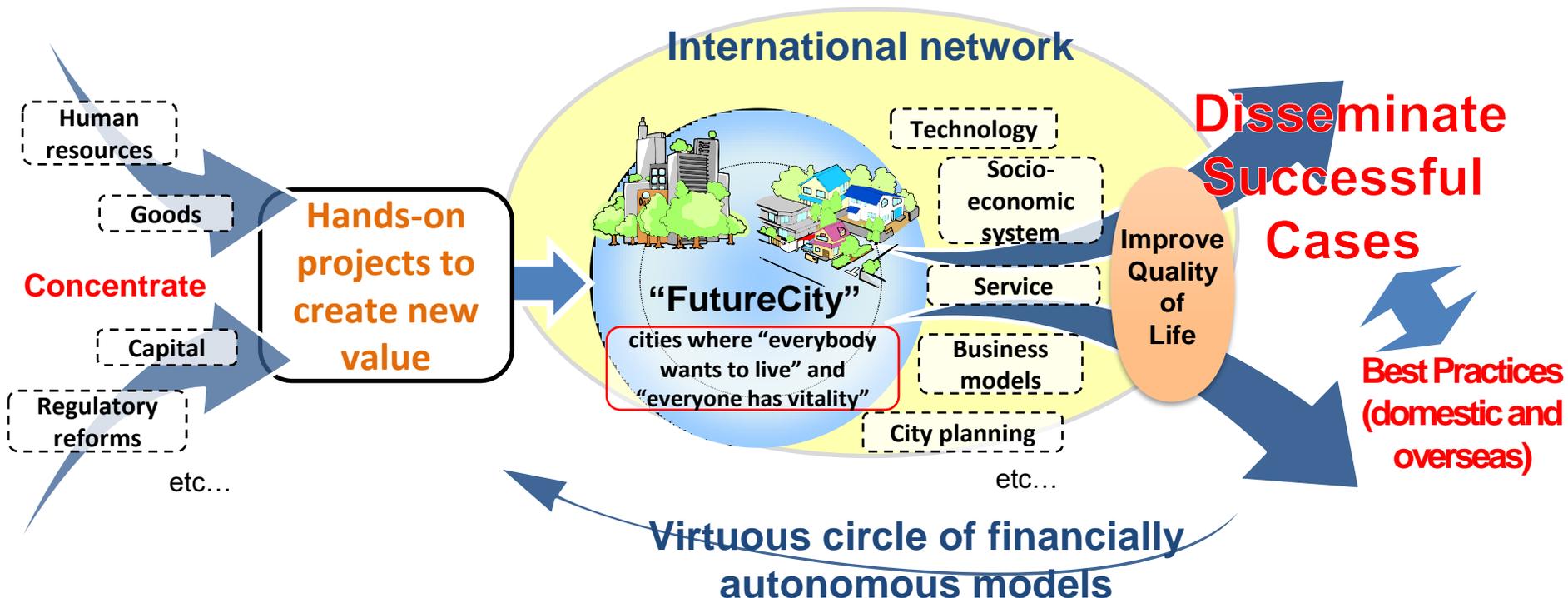
Junichi FUJINO

**NIES (National Institute for Environmental Studies), Japan
International Forum on FutureCity Initiative
Johor Bahru, Malaysia, Feb 8, 2015**

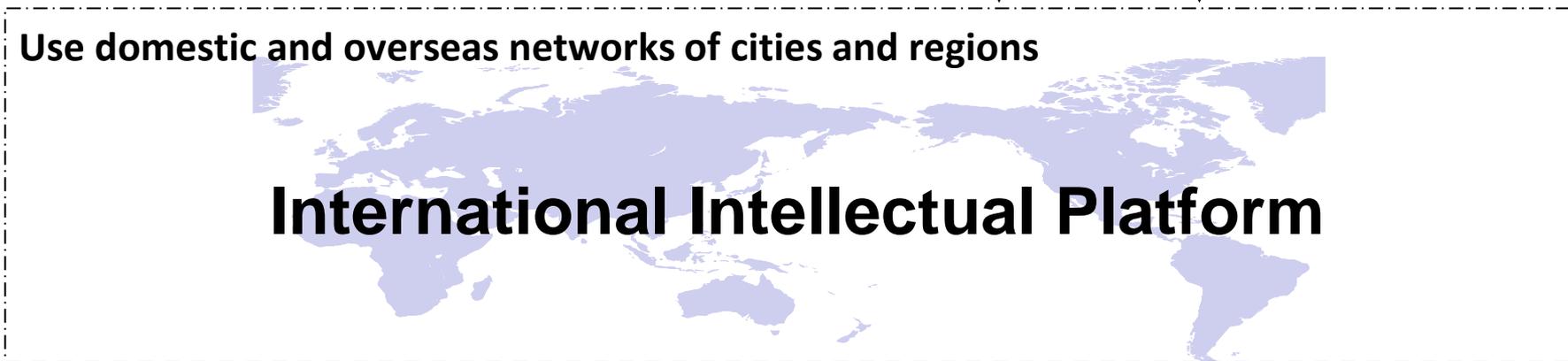
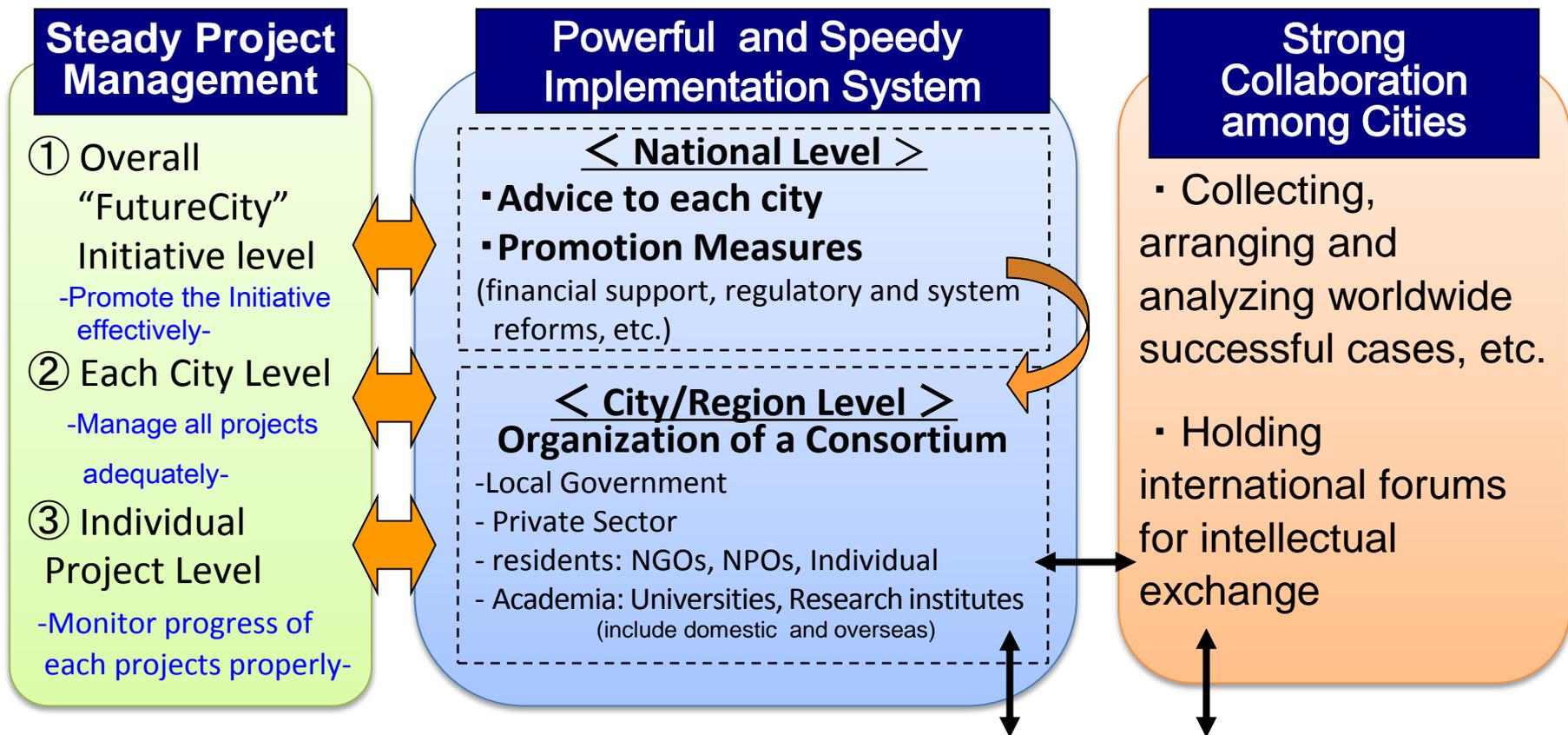
Purpose of the "FutureCity" Initiative

- To select and encourage efforts of the cities which tackle the issues such as the environment and aging
- To create unparalleled successful cases in selected cities and regions
- To disseminate successful cases created by the selected model cities both within and outside Japan

Realize regional revitalization and sustainable society through demand expansion and employment creation



Framework to Promote the Initiative



Construction of International Intellectual Platform

◆ International Forum on the "FutureCity" Initiative

- The 1st International Forum (Tokyo, Feb. 2012)

Prof. Ho (UTM) and Mr. Boyd (IRDA) joined JICA FCI course

- The 2nd International Forum (Shimokawa Hokkaido, Feb. 2013)

Dato Ismail (IRDA) joined as a session speaker

- The 3rd International Forum (Kitakyushu, Oct. 2013)

Madame Zaleha (JPBD) joined as a session speaker

Mayor of MBJB joined as related symposium

- The 4th International Forum (Higashi-Matsushima, Dec. 2014)

- The 1st International Forum outside Japan (Johor Bahru, Feb. 2015)

“Development of Low Carbon Society Scenarios for Asian Regions” In the case of “**Iskandar Malaysia**”

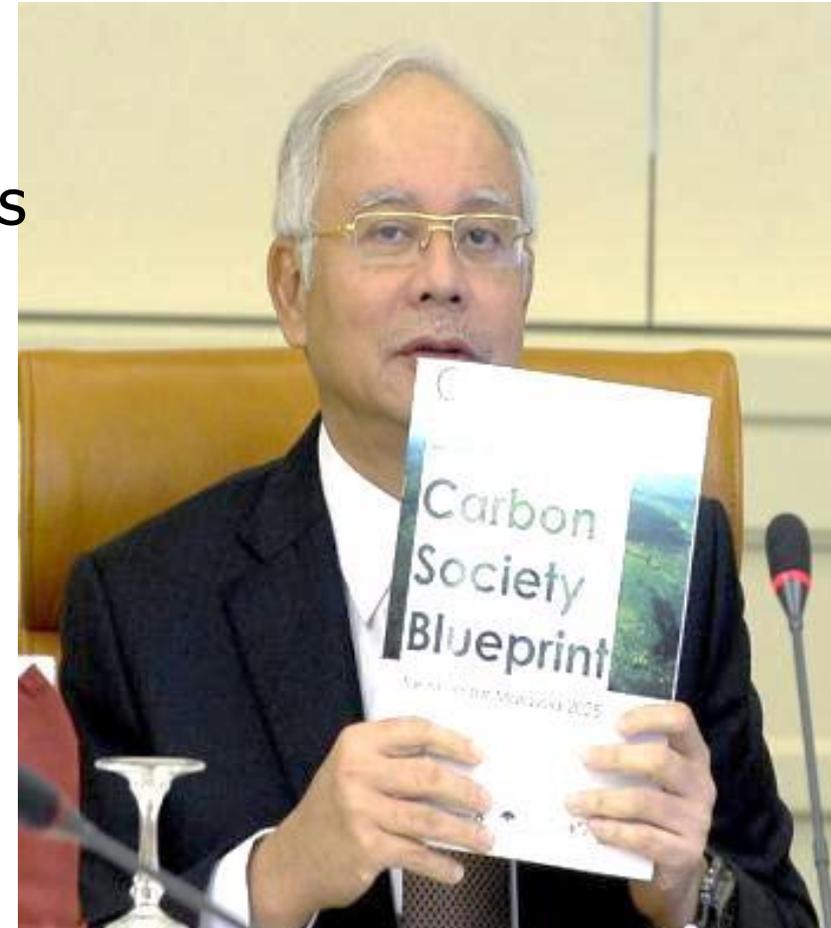
Japanese experience on
Low Carbon Scenarios & Roadmaps

+

Malaysian challenge on
Implementation of Low Carbon Visions



Premier of Malaysia provided
permission in the 13th IRDA
Steering Committee to start
the Iskandar Low Carbon
Society planning
(December 11th, 2012)



Development of Low Carbon Society Scenarios for Asian Regions



Research Team: Universiti Teknologi Malaysia (UTM), Kyoto University (KU), Okayama University (OU), National Institute for Environmental Studies (NIES)

Joint Coordinating Committee: Iskandar Regional Development Authority (IRDA), Federal Department of Town and Country Planning (JPBD), Malaysia Green Technology Corporation (MGTC)

Sponsorship: Japan International Cooperation Agency (JICA) , Japan Science and Technology (JST)

Period: 2011 - 2016

Research Output:

- i. **Methodology** to create LCS scenarios which is appropriate for Malaysia is developed.
- ii. **LCS scenarios** are created and utilized **for policy development** in IM.
- iii. **Co-benefit of LCS policies** on air pollution and on recycling-based society is quantified in IM
- iv. **Organizational arrangement of UTM** to conduct trainings on LCS scenarios for Malaysia and Asian countries is consolidated, and a network for LCS in Asia is established

Blog of Kyoto City Mayor, Mr. Daisaku Kadokawa

【マレーシア版「こどもエコライフチャレンジ」参加者の皆さんがお越しくださいました】



京都市の小学生向け環境教育プログラム「こどもエコライフチャレンジ」。このたび、マレーシアにおいて、本プログラムを元にした「マレーシア版こどもエコライフチャレンジ」が開発されました。

今日は、「マレーシア版こどもエコライフチャレンジ」に取り組まれているジョホール州イスカンダル開発地域の小学生の皆さんと、マレーシア・イスカンダル地域開発庁 イズマ・アズワン副長官、国立環境研究所 藤野主任研究員らがお越しくださいました。

Welcome winners of Iskandar Malaysia Eco Life Challenge 2013
on Dec 2013 in Kyoto City Hall



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📄 政策・マニフェスト
POLICY

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PROFILE



Eco-partnership between Kyoto city and JB Mentioned by Mayor Kadokawa

マレーシア・イスカンダル地域開発庁 アズワン副長官、マレーシア工科大学 シオン教授、ジョホールバル市の代表をはじめとする方々がお越しくださいました。国立環境研究所の藤野研究員らもご一緒。

当地では、環境保全と経済成長の両立を目指す取組を推進しておられます。

その一環として、京都市の小学生教育環境プログラムを基に、マレーシア版「こどもエコライフチャレンジ」を開発。現在、ジョホールバル市の小学校80校で実施され、来年には全198校に広がります。6月には、同市主催の国際会議に、京都市の松浦課長が招聘を受け、地球温暖化対策について講演するなど、全面的に協力しているところ。「DO YOU KYOTO?」が広がっています。

また、同市から環境問題について、パートナーシティ締結の申し入れがあり、相互で検討することとなりました。

これからも「DO YOU KYOTO?」を合言葉に、実践を重ね世界中へ発信していきます。

Spread out "FutureCity Initiatives" from Toyama!

UN SE4all (Sustainable Energy for all) collaboration between Toyama city and Iskandar Malaysia



17th Oct, 2014, Kita Nihon Shimbun (Local Newspaper in Toyama, Japan)

Kitakyushu city and Pasir Gudang city collaboration

This project aims to develop the Large-Scale GHG Emissions-Reduction Project through the application of “Fujisawa-model by Panasonic”, “Kitakyushu-model” and “ESCO business-model”, in the field of residential area, industrial area and individual buildings, based on LCSBP in Iskandar development region, Malaysia.



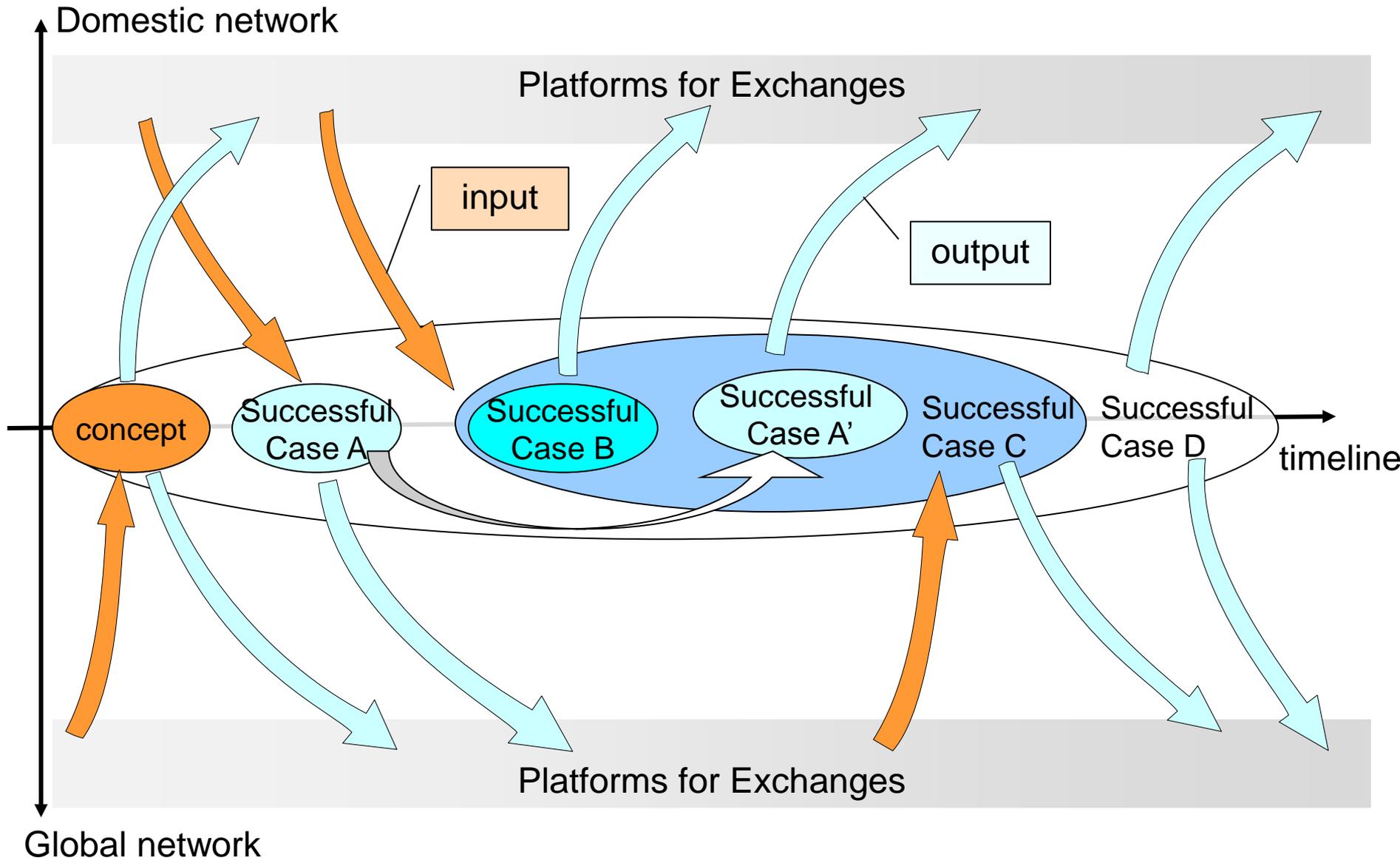
Goals,
Methods,
Plans of the
project

Co-proposer	Panasonic Corporation	Kitakyushu City	Japan Facility Solutions Inc.
Goals	<ul style="list-style-type: none"> ● GHG emissions reduction in the residential area 	<ul style="list-style-type: none"> ● GHG emissions reduction in the industrial area 	<ul style="list-style-type: none"> ● GHG emissions reduction on the individual buildings
Methods	<ul style="list-style-type: none"> ● Developing the projects and systems based on the “Fujisawa model” in order to realize GHG emissions reduction in the residential area 	<ul style="list-style-type: none"> ● Developing the relationship and cooperation based on the “Kitakyushu model” in order to realize GHG emissions reduction in the industrial area 	<ul style="list-style-type: none"> ● Developing the ESCO-business in order to construct the system of GHG emissions reduction on the individual buildings
Research plan	<ul style="list-style-type: none"> ● Communicating two developers ● Participating the basic design and details design in order to develop the Low carbon residential area, based on the research results of FY2014 	<ul style="list-style-type: none"> ● Developing the round table for discussion in order to cooperate between Kitakyushu city and Pasir Gudang city ● Identifying the field for realizing the Low carbon industrial area 	<ul style="list-style-type: none"> ● Implementing details energy conservation diagnosis, developing the methods of verification of benefits and the standard of form of Agreement
Partners	<ul style="list-style-type: none"> ● Developer A ● Developer B 	<ul style="list-style-type: none"> ● Pasir Gudang city 	<ul style="list-style-type: none"> ● TNB Energy Services

The Japan Research Institute, Ltd.

- Heading each project for developing the Low carbon Society
- Cooperating and discussing with Iskandar Regional Development Authority
- Supporting the research and discussion for realizing each project
- Organizing the meeting and seminar in order to involve the stakeholders at Iskandar

Open-Source Innovation Strategy

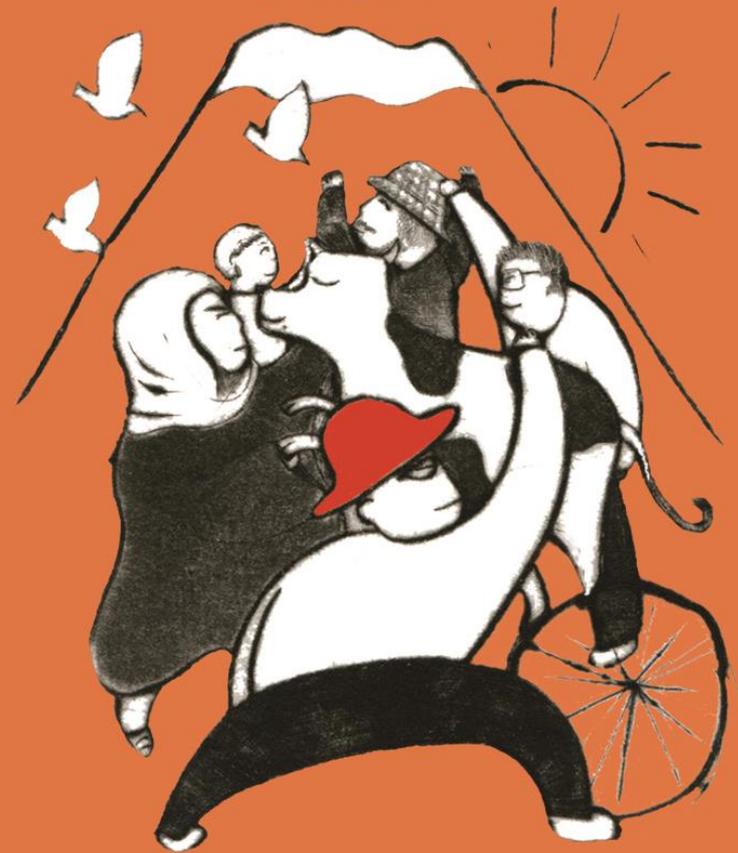


Collaboration with domestic and global networks

Sustainable
Low-Carbon Asia
comes from
design,
imagination
and
co-working...

Let's work together!

Asia LCS



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