

Low Carbon Asia Strategy

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



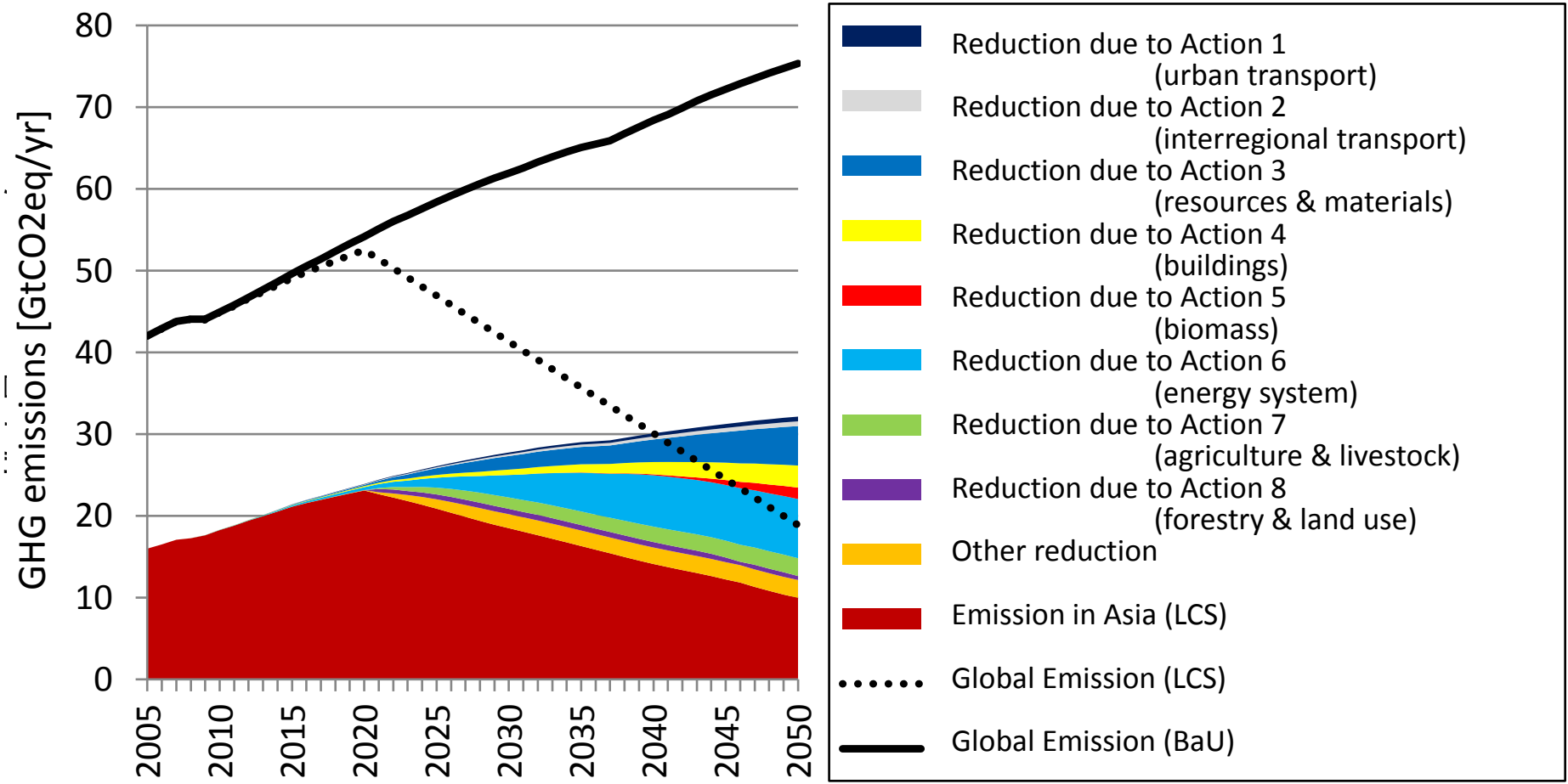
Junichi FUJINO

NIES (National Institute for Environmental Studies), Japan

UNFCCC COP20/CMP10 side event

Peru, Dec 11, 2014

GHG Emissions in Low Carbon Asia



What is AIM?

- Asia-Pacific Integrated Model -

- Area
- Base year

AIM is Simulation Model

- Technology Bottom-up model including more than 400 options
- Economic Top-down model to evaluate economic impact
- Detailed sector-wise model for population, residential, transport, Industry, energy supply, etc

AIM is Human Network

- Start international collaboration since 1994 and we have the 20th annual int.ws in Jan 2015, Tsukuba
- Researchers and policy-makers in China, India, Korea, Thailand, Indonesia, Malaysia, Vietnam, Nepal, Cambodia, Bangladesh, Taiwan, Australia, NZ, USA, EU, etc and Japan.

Examples of Brochures introducing Asian Low Carbon Scenarios

Communication and feedbacks of LCS study to real world

Malaysia

- Putrajaya
- Cyberjaya
- Iskandar Malaysia

India

- Bhopal
- Ahmedabad

Vietnam

Bangladesh

Indonesia

Cambodia

Japan

- Kyoto
- Shiga

China

- Guan Zhou
- Dalian

Thailand

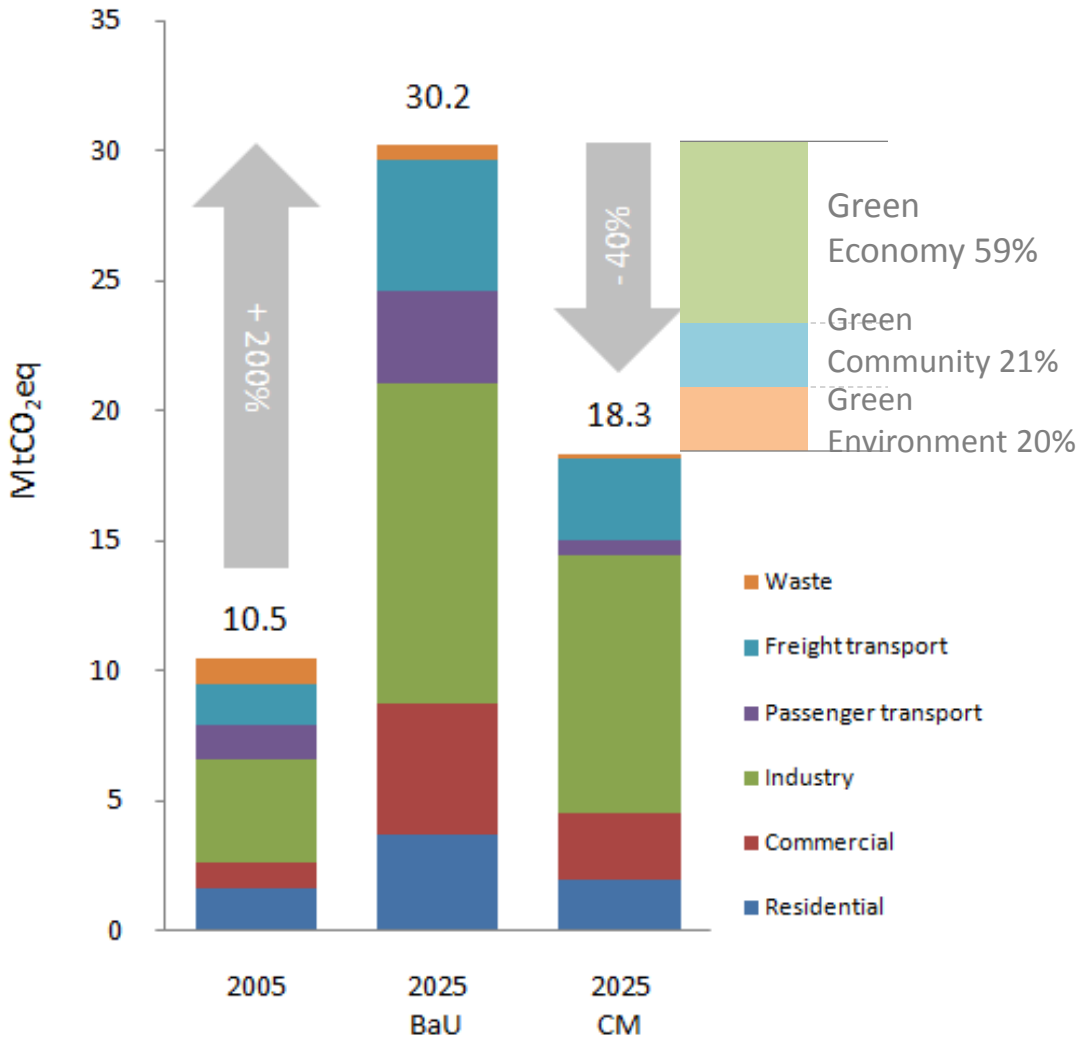
- Ratchaburi
- KhonKaen

S. Korea

- Kyonggi-do

Brochure covers include: MALAYSIA 2030, SUSTAINABLE ISKANDAR MALAYSIA, Low Carbon Society Blueprint for Iskandar Malaysia 2025, Putrajaya Green City 2025, Towards Putrajaya Green City 2025, Cyberjaya Digital Green City 2025, A Roadmap towards Low Carbon Ahmedabad 2050, Low Carbon Society Vision 2050 INDIA, Bhopal, A Roadmap towards Low Carbon Ratchaburi 2050, Low Carbon Society Vision 2050 VIETNAM, Low-Carbon Society Development towards 2025 in Bangladesh, INDONESIA Energy Sector, Low Carbon Development Strategy for Cambodia toward 2050, A Roadmap towards Low Carbon Kyoto, A Roadmap for Sustainable Shiga towards 2030, Economic Analysis on Low-Carbon Economy Development of Jilin City, Low Carbon Society Scenario Towards 2050 Guangzhou, A Low-Carbon Society Development Scenario for Vietnam, Roadmap to Low Carbon Thailand towards 2050, and Low-Carbon Society Scenario Towards 2050.

Research: AIM model apply to Iskandar Malaysia Region to identify Potential Mitigation Options



Mitigation Options

Green Economy

- Action 1 Integrated Green Transportation
- Action 2 Green Industry
- Action 3 Low Carbon Urban Governance**
- Action 4 Green Building and Construction
- Action 5 Green Energy System and Renewable Energy

Green Community

- Action 6 Low Carbon Lifestyle
- Action 7 Community Engagement and Consensus Building**

Green Environment

- Action 8 Walkable, Safe and Livable City Design
- Action 9 Smart Urban Growth
- Action 10 Green and Blue Infrastructure and Rural Resources
- Action 11 Sustainable Waste Management
- Action 12 Clean Air Environment**

Total

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

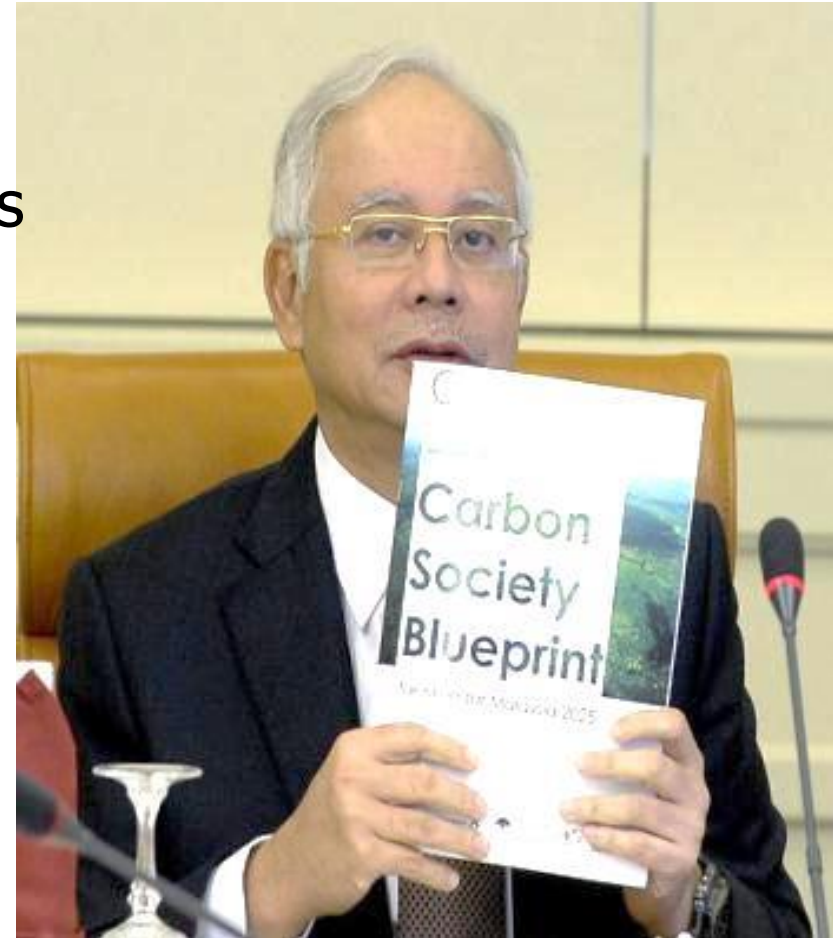
Japanese experience on
Low Carbon Scenarios & Roadmaps

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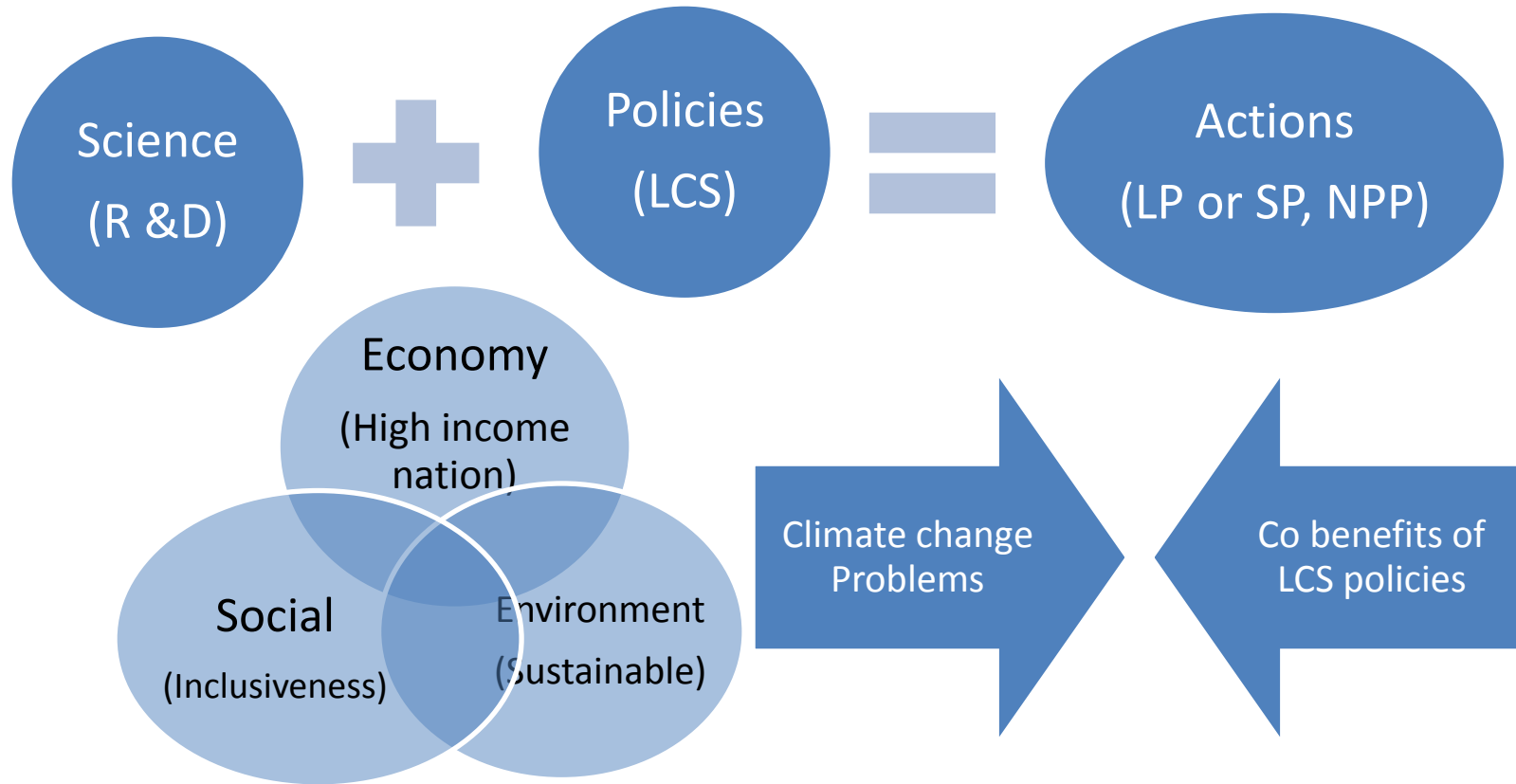
Malaysian challenge on
Implementation of Low Carbon Visions



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



Scientific plan/roadmap + City challenge/policies



Quantification from LCS modeling assist better understanding on impact of proposed actions, sub actions and programs.

Good baseline study, consensus building & Low carbon blueprint plan will help to develop an integrated climate resilient , Low carbon framework for a rapid urbanised city or region.

Inclined to focus on co- benefits of LCS policies

International Forum on the “FutureCity” Initiative

by Regional Revitalization Office, Cabinet Secretariat, Government of Japan



【低炭素都市推進国際会議 in 東京】

The First Forum, Feb 21, 2012@Tokyo

10名の海外招聘者をはじめ、JICA主催の研修プログラムで参加されたアジア諸国等のオピニオンリーダー43名の他、国内参加者を含め、合計約600名の参加。

Prof. Ho and Mr. Boyd joined as experts of JICA FCI courses. Then 2-3 experts join continuously.

The Second Forum, Feb 16, 2013 @Shimokawa, Hokkaido

坂本内閣府副大臣を始め、9名の海外招へい者、JICA主催の研修プログラムに参加したアジア諸国等のオピニオンリーダー39名、その他、国内参加者を含め、合計27か国、約300名の方々が参加。2月17日に森林サイドイベントを実施、藤野が鼎談のモデレーターを担当

Dato' Ismail joined “econmy” panel discussion



インドネシア環境省次官

Dr. Zaleha (JPBD) joined “evaluation” panel discussion. The mayor of MBBJ joined at Asia Mayor Summit.

The Third Forum, Oct 19, 2013 @Kitakyushu

関口内閣府副大臣を始め、11名の海外招へい者、JICA主催の研修プログラムに参加したアジア諸国等のオピニオンリーダー51名、その他、国内参加者を含め、合計43の国と地域から、約400名の参加。藤野がポスターセッション担当。

The fourth forum will be held in Higashi-matsushima, Japan in 6th Dec 2014. Cabinet office organize the first form outside Japan in 8-9th Feb 2015 in JB, Malaysia.



関口内閣府副大臣と国内外の招へい者

The 6th High Level Seminar on Environmentally Sustainable Cities will be held in ***Johor Bahru on 9th and 10th Feb 2015*** (mainly sponsored by Ministry of the Environment Japan (MOEJ))



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

Let's work together!

Asia LCS



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