

**Our Experience,
Our Future
and
Our Challenge
using AIM
(Asia-Pacific
Integrated Model)**

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ISAP2012, 24 July 2012, Yokohama



Designed by Hajime Sakai

Thanks to all AIM friends, generous support by MOEJ, and all of you



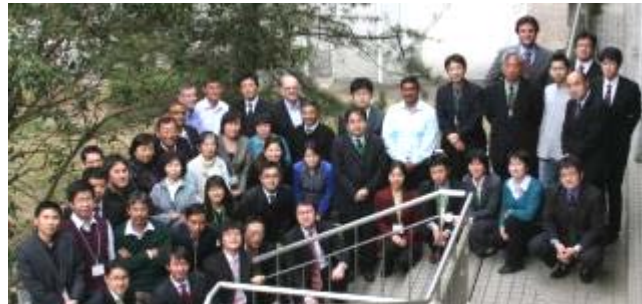
1st AIM International Workshop on
1-2 February, 1996



Asian Modeling Meeting at Tsukuba on 17-18
September 2009



17th AIM International Workshop, 17-19, February
2012



14th AIM International Workshop on 14-15 February
2009



16th AIM International Workshop on 19-21 February
2011



AIM Training Workshop on 2-14
August 2010



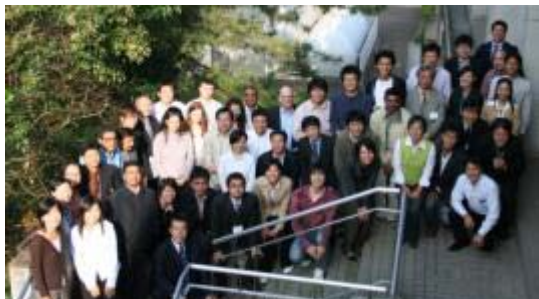
AIM Training Workshop on 22-26 October 2007



15th AIM International Workshop on 20-22
February 2010



AIM Training Workshop on 27-31 October
2008

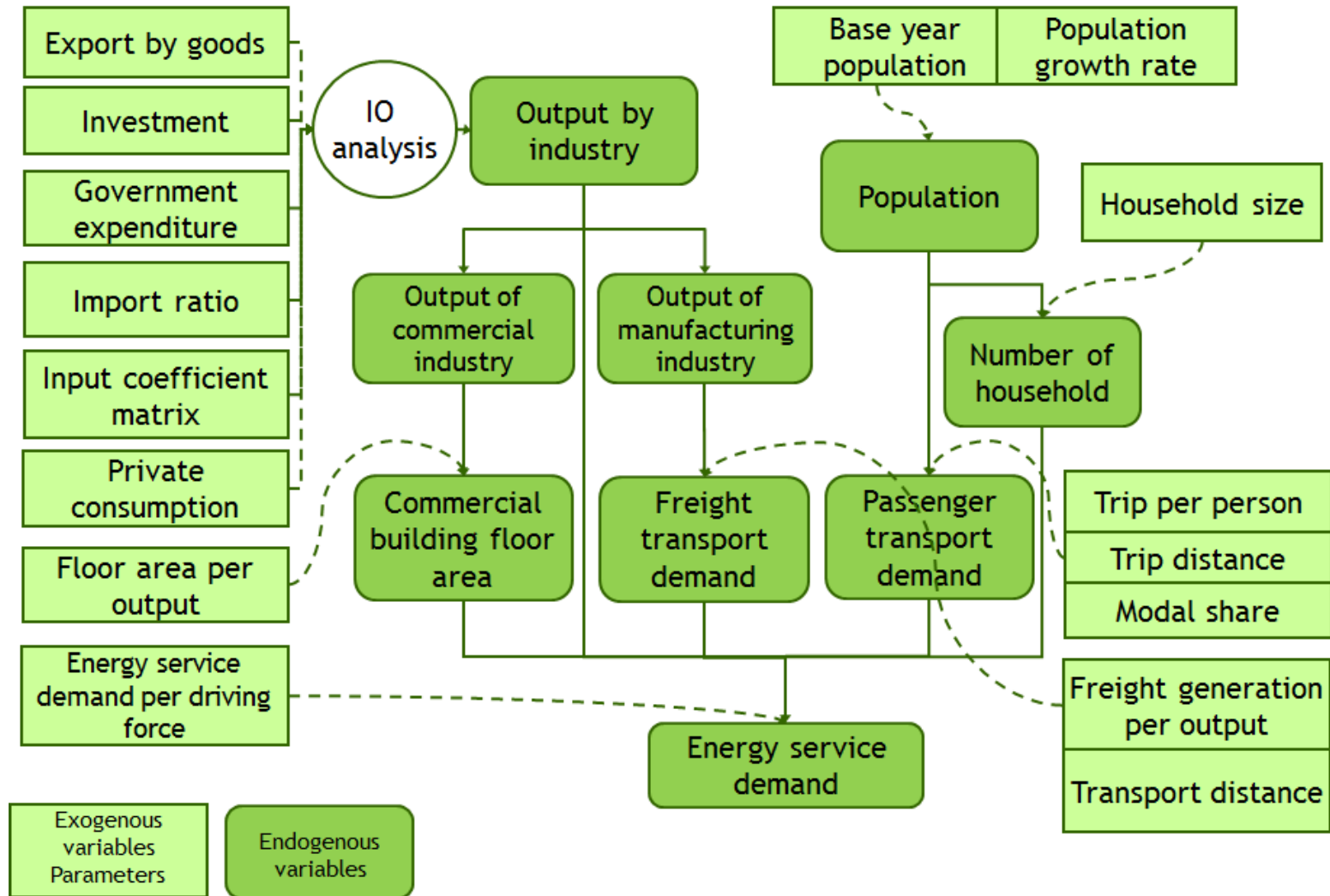


AIM Training Workshop on 16-20 October 2006

3 points

1. Our experience: Integrity
2. Our future: longer-term investment
3. Our challenge: to be good leader
and to be good follower

Socio-economic part of ExSS



Integrity

finance

technology

legislation

Integrated Assessment Models
(e.g. AIM, IMAGE, MESSAGE,
MiniCAM...)

consensus
building

???

culture
history

locality

Mitigation cost curve in Japan to take aggressive emissions reductions options by 2030

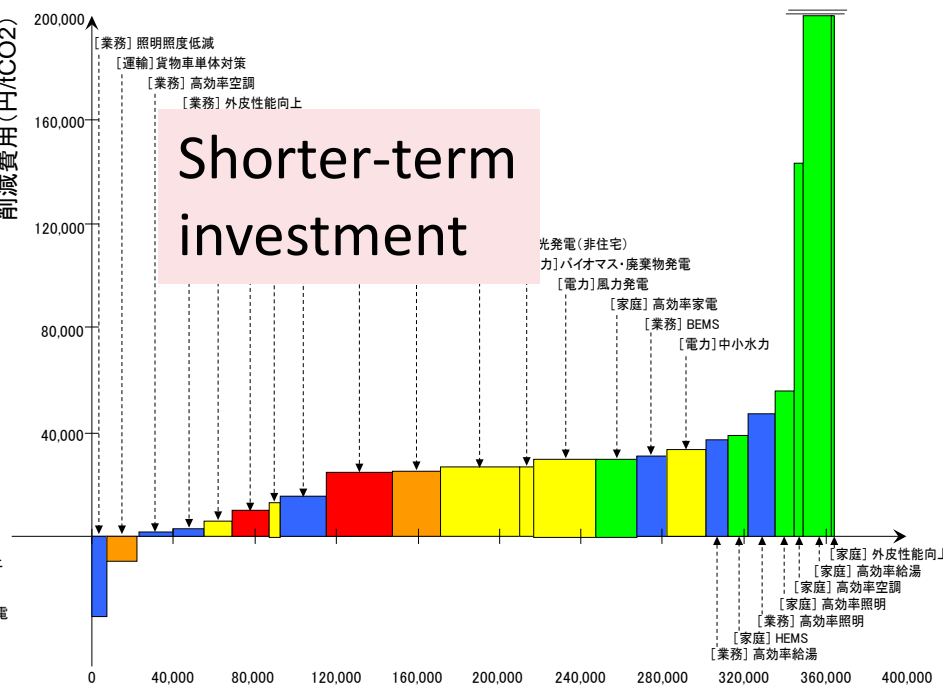
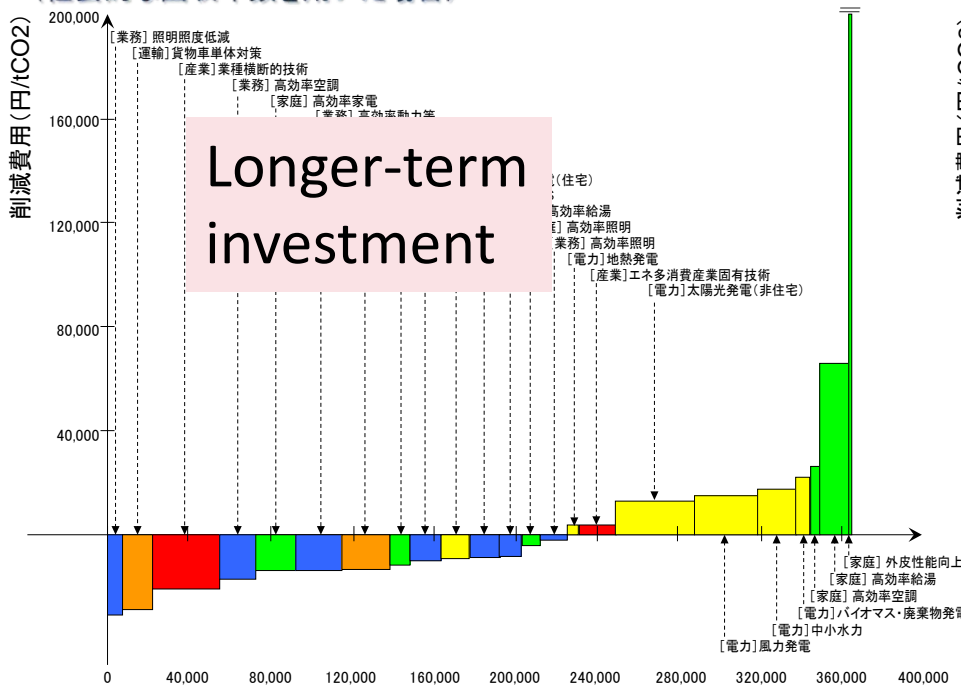
(3)・2030年高

Longer-term investment

られるようにすると
 場合には、家庭部門
 運輸部門で原則3年

●政策による後押しなどによって長期の回収年を前提に投資が行われる場合
 (社会的な回収年数を用いた場合)

●各主体が短期の回収年を念頭に投資を行う場合
 (主観的な回収年数を用いた場合)



- 産業部門・投資回収年数 12~15年
- 家庭部門・投資回収年数 8年 (*2)
- 業務部門・投資回収年数 8年 (*3)
- 運輸部門・投資回収年数 8年
- 再エネ発電・投資回収年数 12年
- *2 住宅は17年, *3 建築物は15年

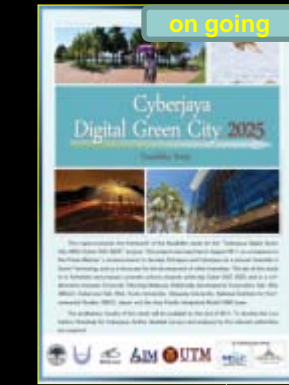
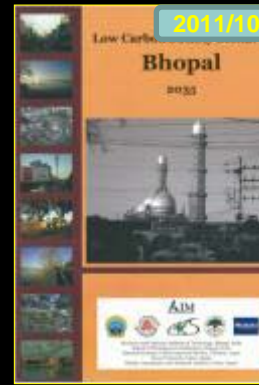
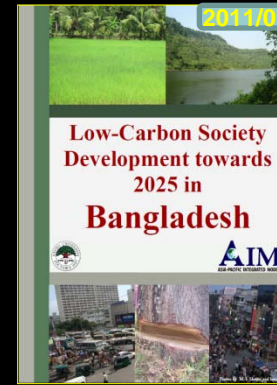
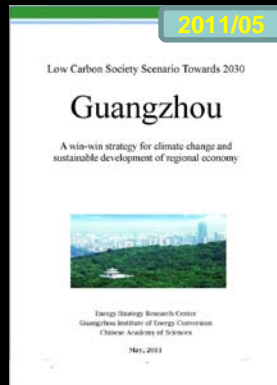
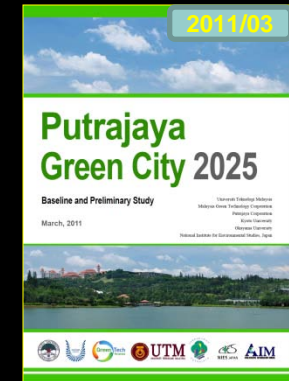
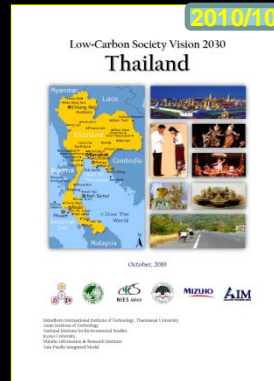
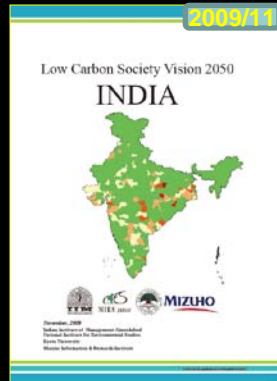
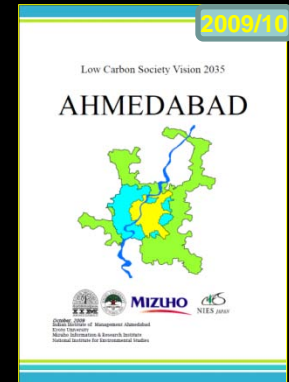
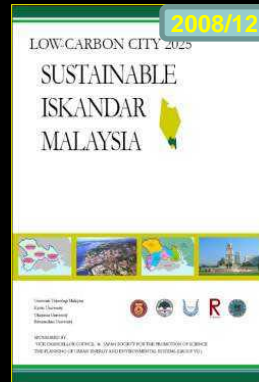
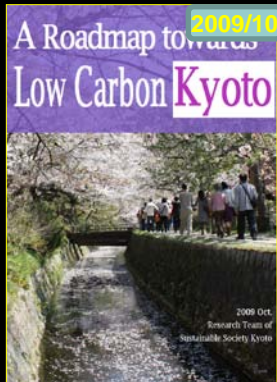
- 産業部門・投資回収年数 3年/10年 (*1)
- 家庭部門・投資回収年数 3年
- 業務部門・投資回収年数 3年

The result by AIM/Enduse[Japan]

※ 上記グラフが示す削減量は固定ケースと対策ケースの差である。本試算に用いたモデル内では、固定ケースと対策ケースでは原子力発電の場合には、火力発電の発電電力量が低減すると想定した。そのため、火力発電の排出係数として0.54kgCO2/kWh(使用端)を仮に用いて設備の運用では電力需要の動向に応じてあらゆる電源で対応することから、全電源平均の係数を用いて電力削減によるCO2削減効果を必ずしも一致しないことに留意が必要である。

Brochures introducing national and regional communication and feedbacks of LCD/LCS study to local works

To be good leader



02 LCS Actions for Iskandar Malaysia

Development of Low Carbon Society Scenarios for Asian Regions

	New Action Names	Themes
1	Integrated Green Transportation	GREEN ECONOMY
2	Green Industries	
3	Low Carbon Urban Governance	
4	Green Buildings and Construction	
5	Green Energy System and Renewable Energy	
6	Low Carbon Lifestyle	GREEN COMMUNITY
7	Community Engagement and Consensus Building	
8	Walkable, Safe, Livable City	GREEN ENVIRONMENT
9	Smart Growth	
10	Green and Blue Infrastructure	
11	Sustainable Waste Management	
12	Clean Air Environment	

SATREPS project
(JICA/JST)

Launching the
“**Low Carbon Asia Research Network (LoCARNet)**”
as a central core for providing knowledge

- LCS-RNet/IGES/NIES has been conducting workshops that promote dialogues between policy-makers and researchers in Indonesia, Thailand, Cambodia, Vietnam and Malaysia, as well as networking among researchers in this region, to encourage low-carbon growth in Asia.
- During the course of these workshops, the growing importance of research society for low-carbon growth in Asia was strongly recognized.
- Japan proposed the establishment of “Low Carbon Asia Research Network (LoCARNet)” at ASEAN+3 EMM held in October 2011 in Phnom Penh.
- The launch of the **LoCARNet** was declared by Minister of Environment at the “East Asia Low Carbon Growth Partnership Dialogue” held in April 2012 in Japan as an element of **East Asia Knowledge Sharing Platform for Low Carbon Growth**
- Organization in process now

To be good follower

To be good leader



To be good follower

3 points

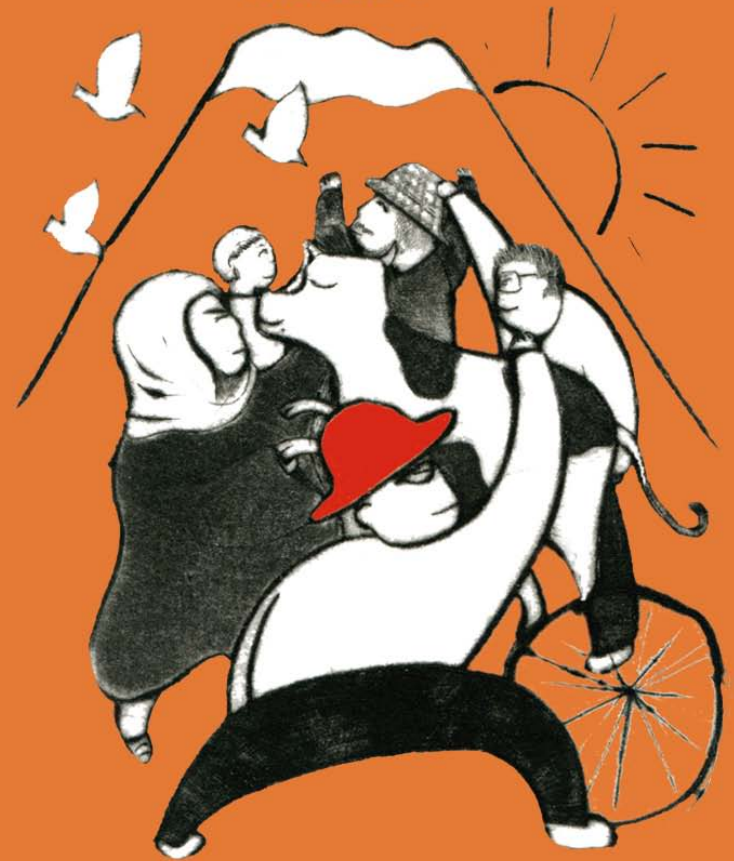
1. Our experience: Integrity
2. Our future: longer-term investment
3. Our challenge: to be good leader
and to be good follower

From your city, country, world
and “FUKUSHIMA”

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

Let's work together!

Asia LCS



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