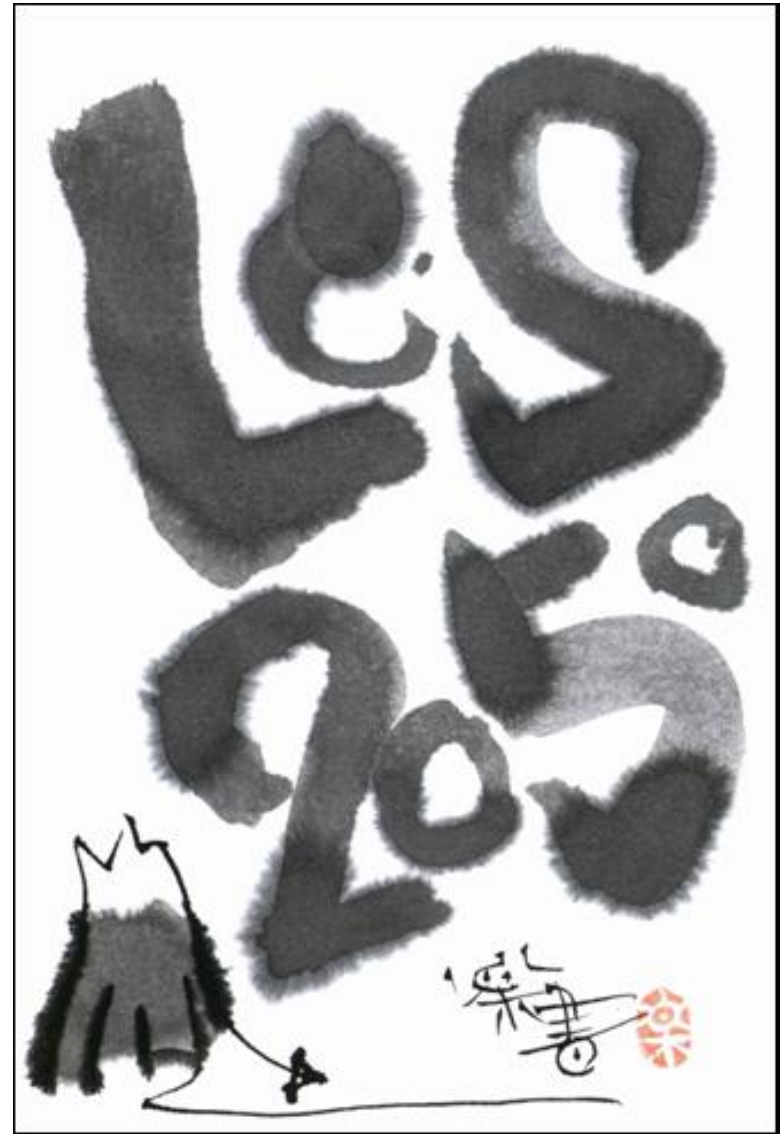


Session 2: LCS modeling

Junichi Fujino (NIES)

The 18th AIM International Workshop

14 December 2012, NIES, Tsukuba

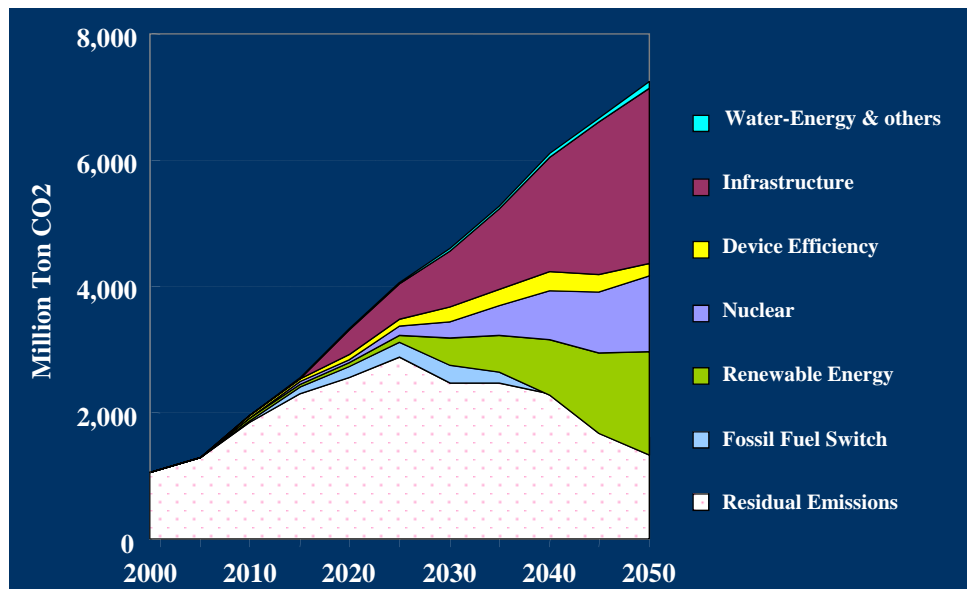


Designed by Hajime Sakai

International trend

- IPCC AR5 -> 2 degree
- COP18@Doha -> MRV+NAMA
- Rio+20 -> Green Growth
- Japan -> New Energy and Climate Change scenario
- ...

2°C Stabilization (All Sectors) Mitigation Options at National Level



Technology Co-operation Areas

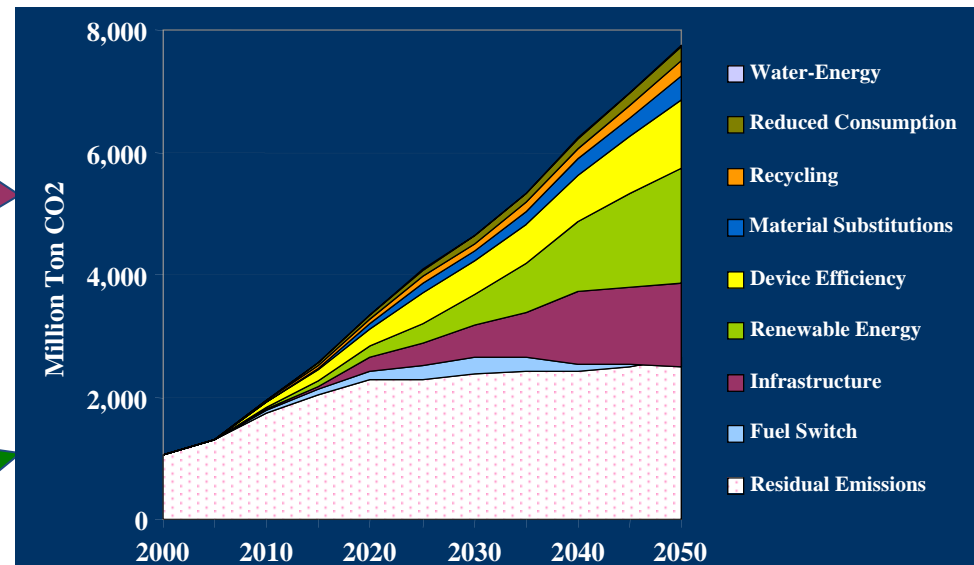
- Energy Efficiency
- Wind/Solar/Biomass/Small Hydro
- Nuclear/Low Carbon Infrastructure

Sustainability Approach: aligning climate and sustainable development actions

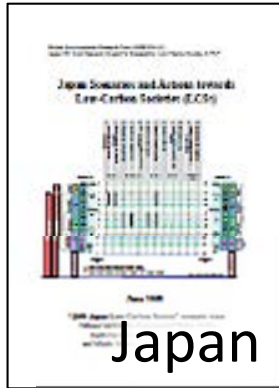
- Low Carbon Price
- Bottom-up/Demand-side actions
- Behavioural change
- Diverse Technology portfolio

Technology Co-operation Areas

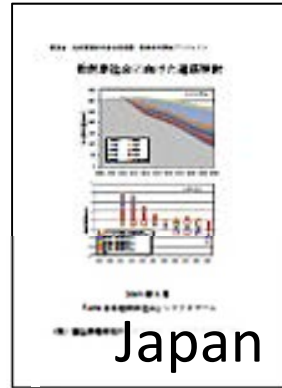
- Transport Infrastructure Technologies
- 3R, Material Substitutes, Renewable Energy
- Process Technologies
- Urban Planning, Behavioral Changes



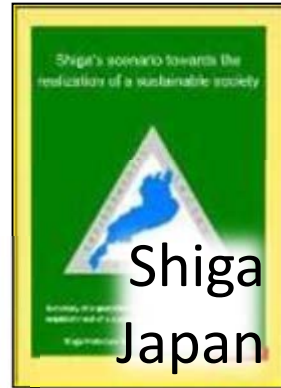
Low-Carbon Society Scenarios in Asia using AIM



Japan



Japan



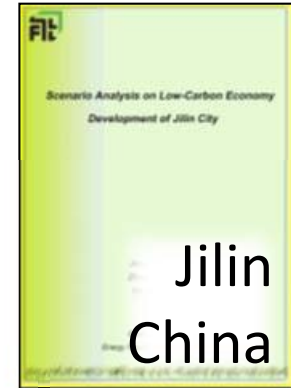
Shiga
Japan



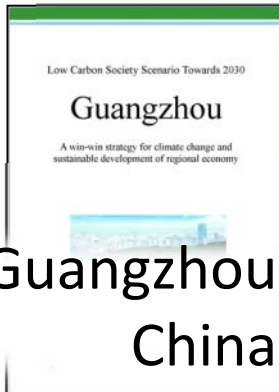
Shiga
Japan



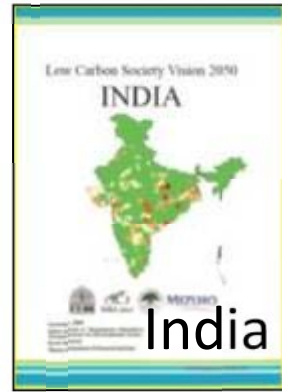
Kyoto
Japan



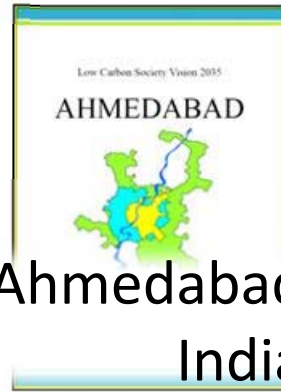
Jilin
China



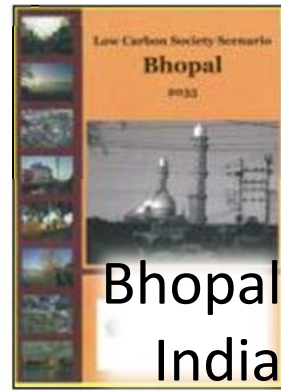
Guangzhou
China



India



Ahmedabad
India



Bhopal
India



Thailand



Indonesia



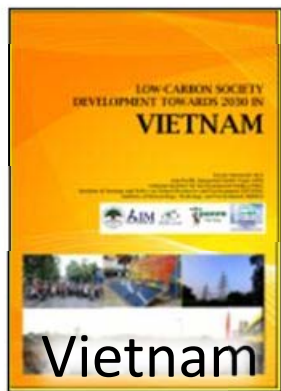
Iskandar
Malaysia



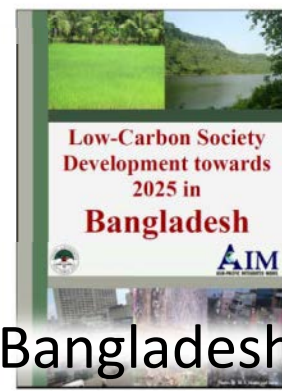
Putrajaya
Malaysia



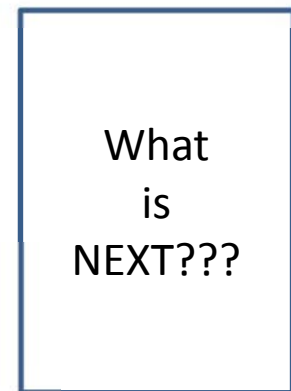
Cyberjaya
Malaysia



Vietnam



Bangladesh



What
is
NEXT???

<http://2050.nies.go.jp>

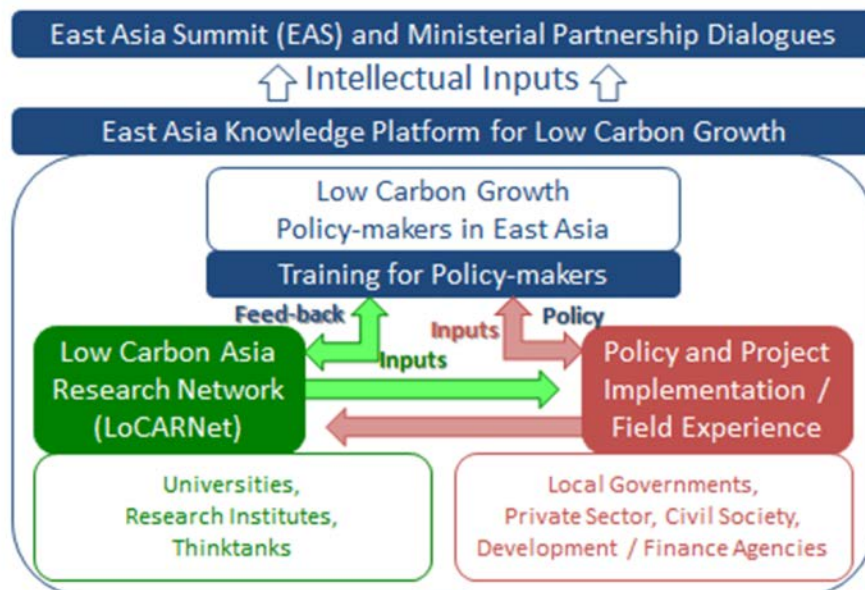
Events

- April, Knowledge Platform Seminar (IGES, JICA, NIES), East Asia Low Carbon Growth Partnership@Tokyo
 - May, LCS workshop@Phnom Penh and Hanoi
 - June, LCS workshop@Jakarta
 - July-Aug, AIM training workshop@Tsukuba
 - Oct, LCS Research and Strategy workshop@Bangkok, LoCARNet (Low-Carbon Asia Research Network) 1st Annual meeting@Bangkok, Symposium “Roadmap toward Low Carbon Development in Asia” @Tokyo
 - Nov, COP18 side event @Doha
 - Dec, AIM International Workshop@Tsukuba
- and more...

1. Creating Regional Low Carbon Knowledge Hub (active learning & pooling of research findings and past experiences)



East Asia Knowledge Platform for Low Carbon Growth
(concept)



<http://www.iges.or.jp/en/cp/activity20120414.html>

East Asia

- One-day Ministerial Dialogue on *low carbon growth in East Asia* in April 2012 in Tokyo / JICA, NIES and IGES introduced the concept “*East Asia Knowledge Platform for Low Carbon Growth*”
- Dialogue held in the context of the *East Asia Summit (EAS)*



- **Shaping international framework (reducing uncertainty, e.g. REDD+)**
- **Coping with rapid urbanization and motorization**
- **Appropriate utilization of market mechanism**



AIM training workshop, 26 Jul 2012, Tsukuba

modeling bridge science and policy

- 2 degree -> totally different world from traditional growth
- Asia -> half of global population and emissions
- Diversity of Asia -> different development stage
- Japan -> lower attention to climate change after nuclear accident, higher awareness of energy saving and renewable energy
- challenge -> provide methodology, scenarios and roadmaps to stakeholders quantitatively how to make happen LCS for higher QOL

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在线游戏

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平板电视 (277)

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“平板电视机” 找到321件相关商品

网购上京东 省钱又放心

荣耀四核

热门搜索: 新一代APU 跑步机

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团

全部结果 > “LED平板电视机”

所有类目

大家电 (253)

平板电视 (248)

家电配件 (5)

“LED平板电视机” 找到253件相关商品

品牌: 京东方 (BOE) 索尼 (SONY) 夏普 (sharp) 飞利浦 (PHILIPS) 长虹 (CHANGHONG) 康佳 (KONKA)

价格: 0-2199 2200-3799 3800-6199

品类: LED背光电视 LCD背光电视

推广商品



惊爆价

乐华 (ROWA) LED23C310A 23英寸 LED液晶电视 USB+HDMI 液晶显示 ¥999.00



惊爆价



热卖

排序: 相关性 销量 价格 评论数

库存: 全国 仅显示有货 商品类型:

网购上京东 省钱又放心

灯泡

热门搜索: 新一代APU

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所有类目

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节能灯 (143)

LED灯 (365)

装饰灯 (15)

台灯 (10)

氛围照明 (13)

吸顶灯 (76)

应急灯/手电 (2)

五金电器 (2)

吊灯 (58)

落地灯 (7)

五金家装 (40)

改装配件 (84)

相关搜索: 节能灯泡 | 节能灯 | 灯 | led

“灯泡” 找到1068件相关商品

品牌: 飞利浦 (Philips) 麦辉 (MAWUI) 蒙特丽

价格: 0-69 70-199 200-400

排序: 相关性 销量 价格 评论数

库存: 全国 仅显示有货 商品类型:

LoCARNet: Low Carbon Asia Research Network

An open network of researchers, research organisations, as well as like-minded relevant stakeholders that facilitates the formulation and implementation of science-based policies for low-carbon development in Asia.

Lessons learnt from activities and outcomes from dialogues between Researchers and Policy-makers in Asia



Synthesis Reports: <http://lcs-rnet.org/publications/index.html>



2012 October in Thailand (LoCARNet 1st Annual Meeting)

Seven priority topics were discussed: “policy-making processes and use of integrated assessment models”; “land use and forestry”; “GHG inventories as bases”; “low-carbon cities”; “local level practices/ decisions / initiatives”; “institutionalisation of low-carbon development” and “technology transfer financing”

Shuzo Nishioka, panel discussion, COP18 side event, 30 Nov 2012, Doha

International trend

- IPCC AR5 -> 2 degree
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- ...

Good content and Timing is important!

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

Let's work together!

Asia LCS

A black and white line drawing on an orange background. It depicts a group of people celebrating. A man in a red hat is in the foreground, looking up. Behind him, a woman in a headscarf and a man in a hat are holding up a banner. To the right, a man is riding a bicycle. The scene is set against a backdrop of a sun and several birds flying in the sky.

藤野 純一

Junichi FUJINO 

fuji@nies.go.jp