IGES activities toward Low Carbon Cities Simon Høiberg Olsen Junichi FUJINO



NEASPEC North-East Asia Low Carbon Cities Platform (NEA-LCCP) Expert Group Workshop (EGW) 2nd September 2016, Seoul

IGES

Objectives

1. Share information on some of IGES' work on cities

- 2. Share some comments on the NEACCP
 - Peer review
 - Links to other initiatives (SDG)

IGES City Taskforce

- Start Ad-hoc activity since June 2015, Formally set up in April 2016
- Explore transitions/pathways towards sustainable cities in Asia (resilient, low-carbon, resource efficiency)



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LCS Scenarios and Plans in Asian Countries and cities



Assistance for Making CCAP in HCMC with Osaka city

- Ho Chi Minh City LCS scenario towards 2020 is developed with AIM and it is utilized in the process of making Climate Change Action Plan for HCMC.
- Our activity is expanding to other cities such as Da Nang and Hai Phong.



HCMC LCS Scenario towards 2020

• By the 2020 CCAP scenario, the GHG emission reduction is 19.1% of total emission of Business as Usual (2020BaU) (including 6.2% reduction is expected from the mitigation of grid power)





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FY2015 JCM F/S Cooperation Structure



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Y-PORT Center was established to share Yokohama's experiences

- Yokohama Partnership Of Resources and Technologies (=Y-PORT)
- Three objectives:
- 1. Advisory services in urban development
- 2. Supporting human resources development
- 3. Partnership with **private firms** and research institutions



Yokohama works city to city collaboration for sustainable urban development



utline of CASBEE-City

Comprehensive Assessment System for Built Environment Efficiency



 \rightarrow Assessment of a target city from both Quality and Load perspective

CASBEE indicators (based on SDGs and ISO 37120 indicators)





National ESC Awards / Networks as 'Building Blocks' to ASEAN ESC Model Cities





Supported Model Cities Year 1 & 2

Total: 31 cities

Country	Year 1		Year 2	21 (+17 new)
Cambodia	Phnom Penh, Siem Re	ар	<u>Phnom Penh</u> , Pursat	
Indonesia	Palembang, Surabaya		Balikpapan, Lamongan, Malang, Tangerang	
Lao PDR	Xamneua		Luang Prabang, <u>Xamneua</u>	
Malaysia	North Kuching			
Myanmar	Yangon		Yangon, Mandalay, Pyin Oo Lwin	
Philippines	Palo (Leyte); Puerto Princesa		Legaspi; San Carlos (Negros Occidental); Santiago	
Thailand	Mae Hong Son, Muangklang, Phitsanulok		Chiang Rai, Nongteng, Panusnikon, Pichit, Renunakon	
Viet Nam	Cao Lanh, Da Nang	15,000 persons reached	Dalat, <u>Da Nang</u>	55,000 persons reached



National ESC Awards / Networks as 'Building Blocks' to ASEAN ESC Model Cities



Next LoCARNet WS is Bandung, 25-26 Oct!







Toshihiko

MASUI

Japan





Mikiko KAIMUMA Japan





Bundit LIMMEECHOKCH

Viet Nam





Ucok Wrsiagian Indonesia



Srintonthep Towprayoon Thailand



NIES JAPAN

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Retno Gumilang Dewi Indonesia



Rizaldi BOER Indonesia











Ho Chin SIONG Malaysia





Nguyen Tung Lam Vietnam







Priyadarshi SHUKLA India



Jiang Kejun China



The NEACCP

- Clarify main objectives of NEACCP → Objective will influence the design of peer review (and others)
 - Sharing scientific information \rightarrow focus on single sector maybe ok.
 - Improving performance → broader and more sectors bur also more political
- Objective will determine which of type of peer review to apply
 - What type of outputs (i.e. outreach strategy).

Some questions I had:

- What is the reason that there is 'relatively few international networking and cooperation dedicated to LCC, when compared to Europe'?
 - Political or technical barriers (lack of data or lack of trust)?
 - Lack of integration \rightarrow influence scope and breadth of peer review.

Linking with other initiatives: SDGs?

- For peer review choose only env targets/indicators or broader approach?
 - If link with SDGs (PCI?)
- In mission statement include intention to feed into
 - NDCs
 - SDGs → SDG 11 (cities) and SDG 13 (Climate change)
- Can examine targets and indicators from cities compared to SDGs

SDG 11: Make cities inclusive, safe, resilient and sustainable

- By 2030, reduce the adverse per capita environmental impact of cities, including by paying special attention to air quality and municipal and other waste management
 - CO2 emissions are link between SDGs and climate change
- By 2030, provide universal access to safe, inclusive and accessible, green and public spaces, in particular for women and children, older persons and persons with disabilities
 - Create carbon sinks as well as spaces of recreation (mitigation + social dimension)
- Support positive economic, social and environmental links between urban, periurban and rural areas by strengthening national and regional development planning
 - Ensure that city initiative is coherent with national (and region)
- By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels

Goal 13: Take urgent action to combat climate change and its impacts

- Strengthen resilience and adaptive capacity to climaterelated hazards and natural disasters in all countries
 - How does this relate to any targets or indicators in the NEACCP?
- Integrate climate change measures into national policies, strategies and planning
 - Clear link
- Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning
 - Public awareness++

On Peer Review

- For the SDG peer review \rightarrow contentious.
 - Reluctance towards being reviewed by other countries or external peers.
 - Different situation for cities or for climate change?
 - At least rhetorically, reviews should emphasize learning and capacity exchange for low-carbon transition rather than accountability issue.
 - Within that purview some type of voluntary review could be undertaken.
- If it is designed and operated from an overly scientific point of view and ends up as an quantified RANKING system, it could go to wrong direction because ranking is inherently political.
 - Non-scoring (qualitative and case studies, self-benchmarking)→ easier to approach in the beginning
- One of the challenges as identified in the concept paper is lack of public information on cities performance. How will a peer review address this issue?
 - Contacting public educators, journalists etc.?
- What are key sector(s) for pilot?
 - Maybe a pragmatic approach to conduct first an inception study/mapping as part of the pilot to identify 'low hanging fruit' i.e. sectors where indicators and data are not lacking.
- Who will be the 'target recipients' of result of the review? Is it a technical, political or public relations exercise?
 - Determining the key audiences will affect the design of the process of review and information to be collected.