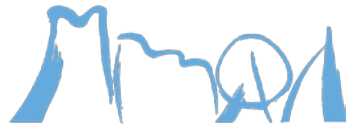


The 4th **Asia Smart City Conference** in Yokohama



Y-PORT
CENTER

Yokohama Urban Smart Solution

The 4th
Asia Smart City
Conference in Yokohama



Roundtable Session

ラウンドテーブルセッション



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Roundtable Session
ラウンドテーブルセッション

Moderator: Mr. Hideyuki Mori, President, IGES

モデレーター：IGES 所長 森 秀行

Panelists:パネリスト

Dr. Bindu Lohani, Former Vice President, ADB / Special
Advisor for Y-PORT Center

前ADB副総裁/Y-PORTセンターアドバイザー ビンドゥ・ロハニ

Mr. Yosuke Mochizuki, Director, Cleantech Institute,
Nikkei Business Publications, Inc.

日経BPクリーンテック研究所 所長 望月 洋介



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Roundtable Session
ラウンドテーブルセッション

Panelists: パネリスト

Dr. Vijay Jagannathan, Secretary General, CITYNET and
Senior Fellow, WRI
CITYNET事務局長/WRI シニアフェロー ヴィジェイ・ジャガナサン

Dr. Alfonso Vegara, President, Fundacion Metropoli
ファンダシオ・メトロポリ 代表 アルフォンソ・ベガラ

Mr. Toru Hashimoto, Director of Development Cooperation
Department, International Affairs Bureau, City of Yokohama
横浜市 国際局国際協力部長 橋本 徹



The 4th
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Thematic meeting 1

City to city cooperation towards sustainable urban development

「都市間連携を通じた持続可能な都市開発の推進」



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Thematic meeting 1

Key Questions;

- What would be the rationale of city to city cooperation while each city has different state of development, resources, and endowment?



Thematic meeting 1

Key Words;

- Difference as asset rather than liability
- Diversified situation lead into a need for co-creation
- Learning from past experience: disaster, environment management, human resources



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Thematic meeting 1

Key Questions;

- What would be possible modality of bilateral city to city cooperation such as knowledge sharing, technical visit, pilot projects, etc.?

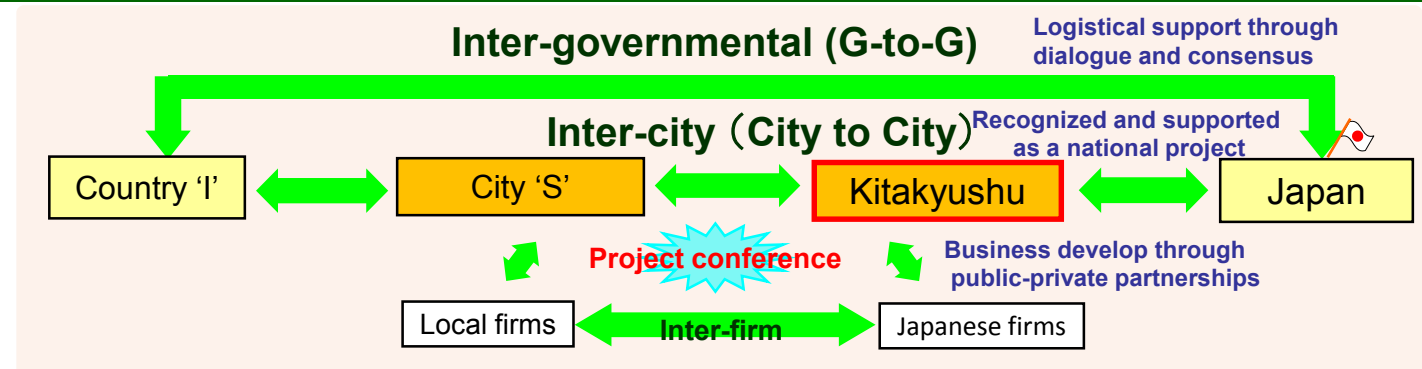


Thematic meeting 1

Key Words;

- Innovative technology, integrated holistic urban planning, creating unique task force, wholesale approach including private sectors and citizens
- Water Operators Partnership (WOPs), Metrolab, Mayor' compact, Future City Program, Infrastructure Export Strategy
- Political advocacy and technical solution provision

Creating a platform for inter-governmental & inter-city cooperation



Pilot Projects in “Green Growth Promotion Plan”

Waste	① Separation and composting of household waste
	② Waste Heat Recovery Power Generation & Utilization of Industrial Waste
	③ Recycling of E-Waste
Energy	④ Energy savings and introduction decentralized energy systems in factories & buildings
transportation	⑤ Introduction of low-emission buses
	⑥ Promotion use of public transportation
Cat Ba Island	⑦ Development of comprehensive resource recycling system
	⑧ Energy saving and introduction of renewable energy & EV buses in Cat Ba Island
Water & Sewage, Rainwater Drainage	⑨ U-BCF expansion project
	⑩ Handicraft village wastewater measures
	⑪ Introduction of sewerage registry system
Environmental Protection	⑫ Restoration of Tay Nam canal
	⑬ Development of air and noise monitoring systems
Green Production	⑭ Installation of high-efficiency furnaces in foundries
	⑮ Promotion of green agriculture

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Thematic meeting 1

Key Questions;

- Would it be possible and what would be the technical advantage to undertake multilateral cooperation among cities?



Thematic meeting 1

Key Words;

- Clustering for common goals, similarly situated cities
- Best Practices, Benchmarking
- Co-creation for urban solution
- Multilateral efforts and platforms lead into bilateral collaboration



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Thematic meeting 2

Roles of city leaders to attract good
involvement of private sector

「PPP手法によるインフラ開発に向けて
都市のリーダーが担うべき役割」

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Thematic meeting 2

Key Questions;

- Solving the complex inter-disciplinary issues require a long term plan and longer term commitment but City Leaders (like Mayors) have a shorter term, requiring them to undertake short term visible programs and projects. Private sector involvement requires longer term commitment. What can be done to address this gap?



Thematic meeting 2

Key Questions;

- Cities are rich and have stable income. Some cities in Asia produce more than 30 % of GDP. Why cities don't have resources to fix the existing problems? Most cities lack proper governance and credit rating, hence limits them to go raise capital market for funds. How should the City Leaders address such issues in future?



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Thematic meeting 2

Key Questions;

- The investment needs in the cities are huge and require mobilizing private sector resources. Private sector needs to be comfortable with risk mitigation or risk sharing during the period of their investment. They may need policy risk guarantee, partial risk guarantee and /or developing a public-private partnership (including financial contribution from central and/or local governments) for investment. How are City Leaders addressing or planning to address these issues?



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Thematic meeting 2

City Leaders could address issues by

- ◆ Finding and Preparing projects by Local Government through capacity building, master planning.....)
- ◆ Utilizing various fund resources (green fund, local bond, JCM, local currency based fund
- ◆ Interactive communications with private sectors
- ◆ Enhancing crediting rating of Local Government Units
- ◆ Attracting guarantees from the National Governments
- ◆ Promoting City to City Collaboration and Partnerships
- ◆ Utilizing ICT to share information with citizen to realize sustainable city management



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Thematic meeting 3

Co-create urban solutions through smart technologies

「スマートテクノロジーによる
新たな都市イノベーションの共創」



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Thematic meeting 3

Key Questions;

- Technical: What would be practical way and examples to utilize ICT and IoT to raise quality of life of people and city itself?



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Thematic meeting 3

Key Questions;

- Human Resources: To achieve the above goal how the city can cultivate the necessary human resources?



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Thematic meeting 3

Key Questions;

- Collaboration: What would be the roles of public sector and private sector in this regard? What would be the expectations of the government towards private sector and vice versa?



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Thematic meeting 3

Comments of each panelist;

- Hue : Ubiquitous City
- Makassar : World Livable City
- Melaka : Coexistence of World Heritage and Urban development



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Thematic meeting 3

Comments of each panelist;

- San Fernando : Collecting ideas from citizens using social technology
- Yokohama: The forefront of energy management
- Ave Point Public Sector: Dashboard for citizens



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Thematic meeting 3

Comments of each panelist;

- Fundacion Metropoli: Digital technology achieved city-to-city collaboration between medium sized cities
- IBM: Necessity of insight and data analysis



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Thematic meeting 3

Comments of each panelist;

- Yokohama National University:
Social implementation of IT has started
- Yokohama Urban Smart Solution Alliance/
FINETECH: global expansion of Smart Green Park



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Thematic meeting 3

Conclusions;

- IT, IOT technologies have spread all over the world
- The Near Future have become predictable through IOT Development
- Improvement of information literacy is needed for human resource development



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Thematic meeting 4

Indices to facilitate sustainable urban
development

「持続可能な都市開発を促進する評価指標」



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Thematic meeting 4

Key Questions;

- Why is it important to set up “brand” of cities under the current competitive environment among the cities?
- Brand is important as a way to secure political buy-in, community ownership and investor interest



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Thematic meeting 4

Key Questions;

- Is it important and possible to set up city wide indicators to measure the progress of city?
 - Yes, but it has to be very city-specific.
Inclusiveness of policies and plans important
Recognize poverty, Quality of Life, Role of Culture.



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Thematic meeting 4

Key Questions;

- How best to start up the outcome oriented city wide indicators?
 - It is a process-focus on outcomes, but some inputs like finance, human resources are important as well. ICT makes possibilities much more exciting.



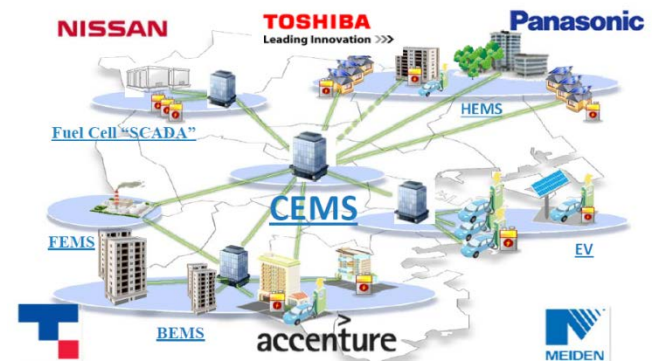
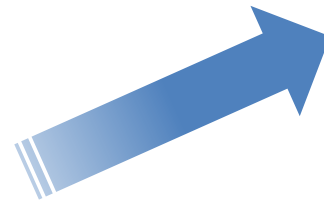
Concept of “Asia Smart City Alliance”



Background

Smart City Development

- “Smart City Development” as sustainable city development through utilizing Information and Communication Technology, promoting Open Data, enhancing Public Private Partnership (PPP) and combing innovative technologies for **better Quality of Life (QOL) of citizen at entire segments of society** with measurable outcomes.

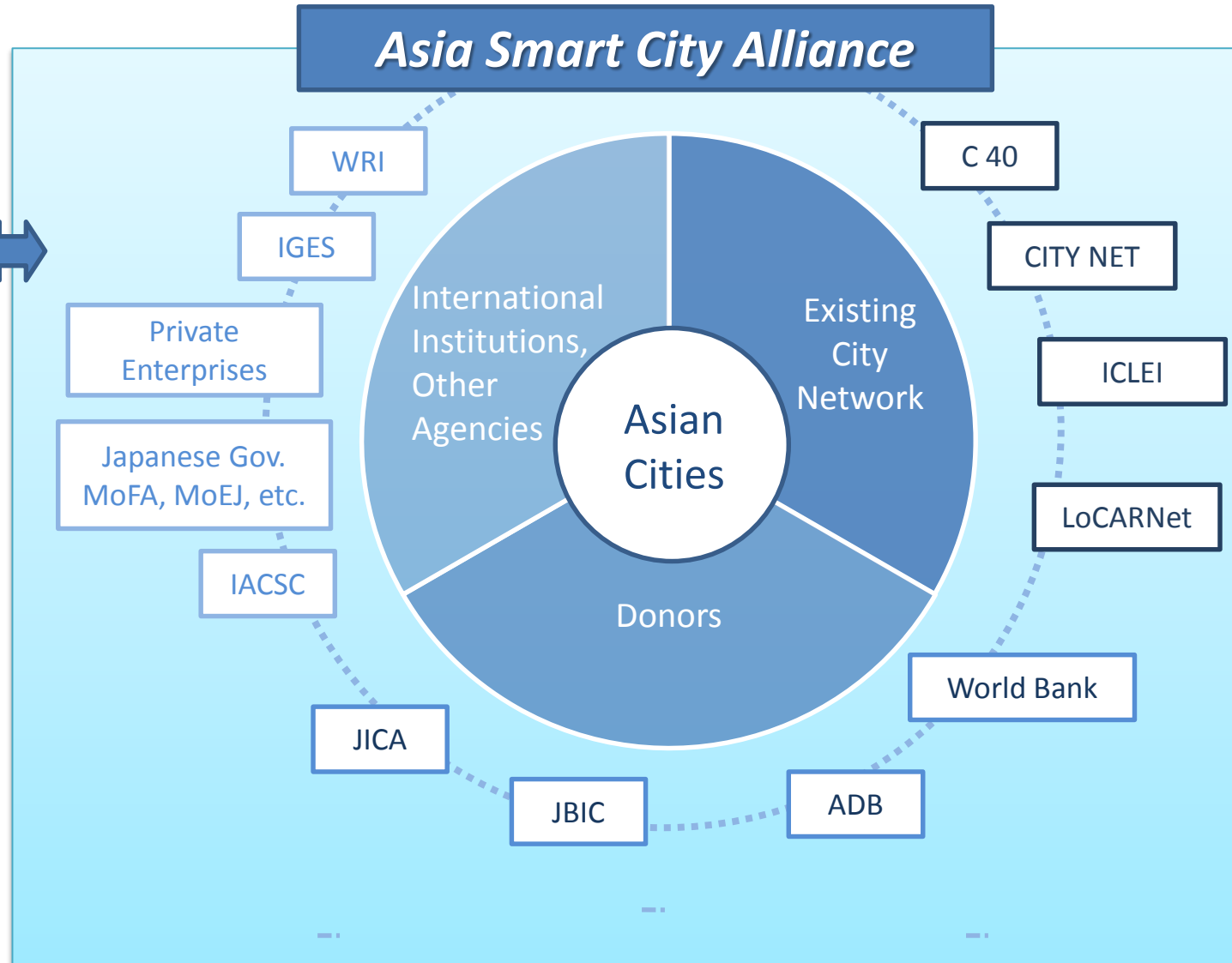


Four Principles to be emerged at Asia Smart City Conference

1. To enhance **City to City Cooperation** towards smart city management in Asian region.
2. To deliver appropriate knowledge as well as available financial resources and tools to **City Leaders** towards smart city management and low carbon development.
3. To apply **Holistic Approach** to create appropriate urban solutions on the ground beyond existing sectoral approaches.
4. To understand the importance of **Long Term Vision** in urban planning and application of indices to measure outcome.

Asia Smart City Alliance

For **Knowledge Sharing** and **Discussion** on smart city development



Activity

- **Web-based Sharing of Knowledge** about the effectiveness of "City to City collaboration on smart city development".
- **Discussion with city, donors, international institutions and other agencies** about smart city development at **Asia Smart City Conference** to create future projects on the ground.
- **Provide Inputs** based on Asian practices of smart city development to **International Discussion** such as HABITAT III, UNFCCC and SDG process.



Expected Outputs

HABITAT III



United Nations
Framework Convention on
Climate Change

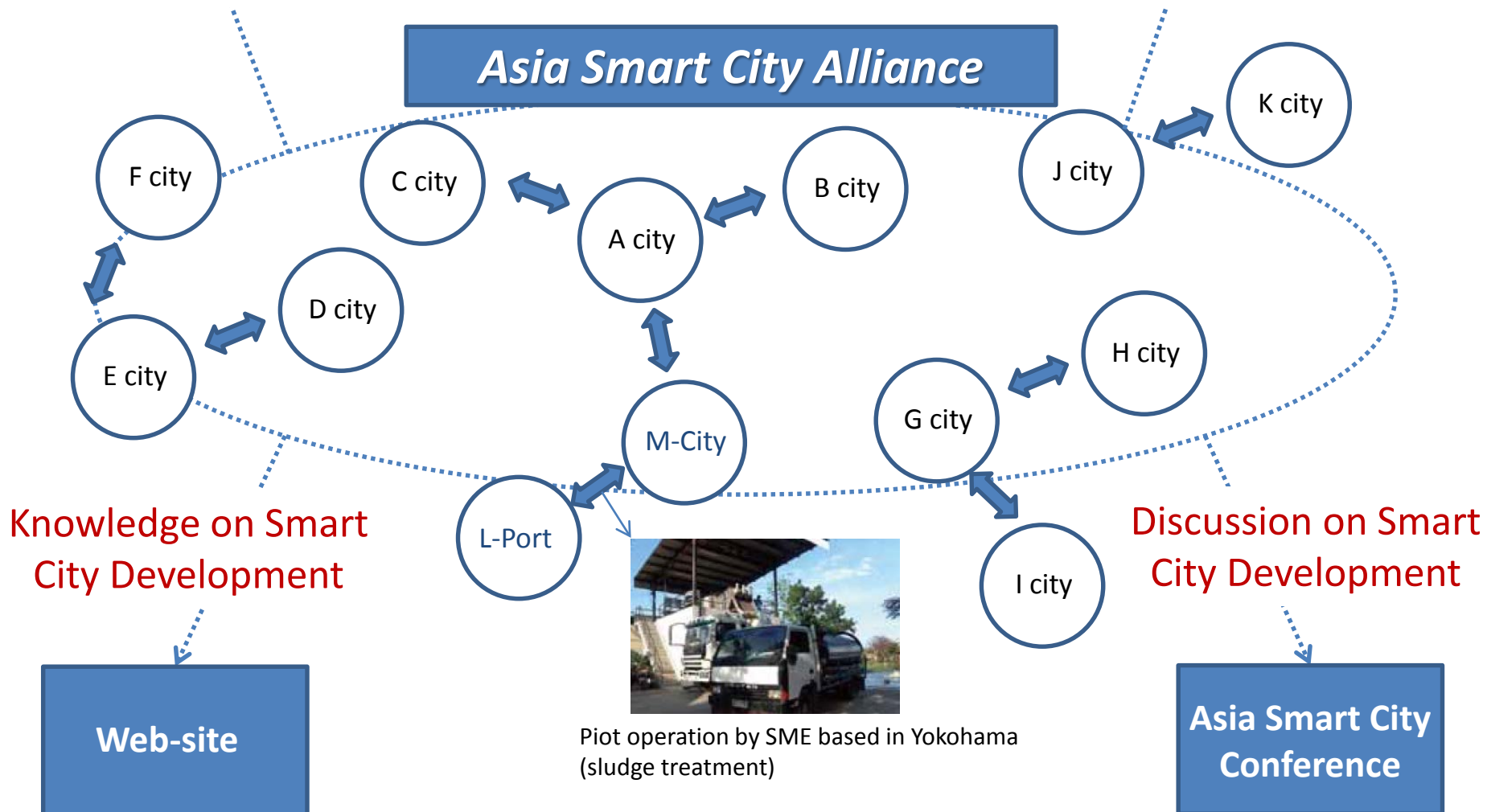
SDG



Inputs to International Discussion

Identification of Future Collaboration

Asia Smart City Alliance



Knowledge on Smart City Development

Discussion on Smart City Development

Web-site

Pilot operation by SME based in Yokohama
(sludge treatment)

Asia Smart City
Conference

Finally

City to City Collaboration Involving Wide Range of Actors (PPP)

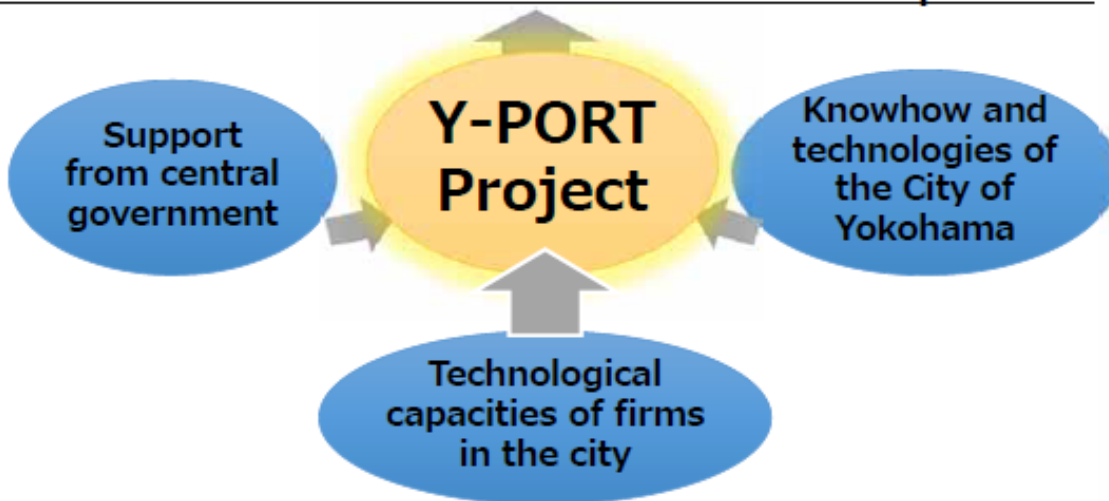
Yokohama

Partnership of Resources and Technologies

International technical cooperation based on public-private partnership and drawing on the resources and technology of Yokohama

- It is essential to provide **not simple products but solutions** through combining technologies and knowhow of the public and private sectors

Enhancement of international technical cooperation



横浜市とアジア開発銀行との連携に関する
Memorandum of Understanding on Collaboration
between Asian Development Bank and City of Yokohama



Thank you

