



Progress of SMART City Initiative in Siem Reap

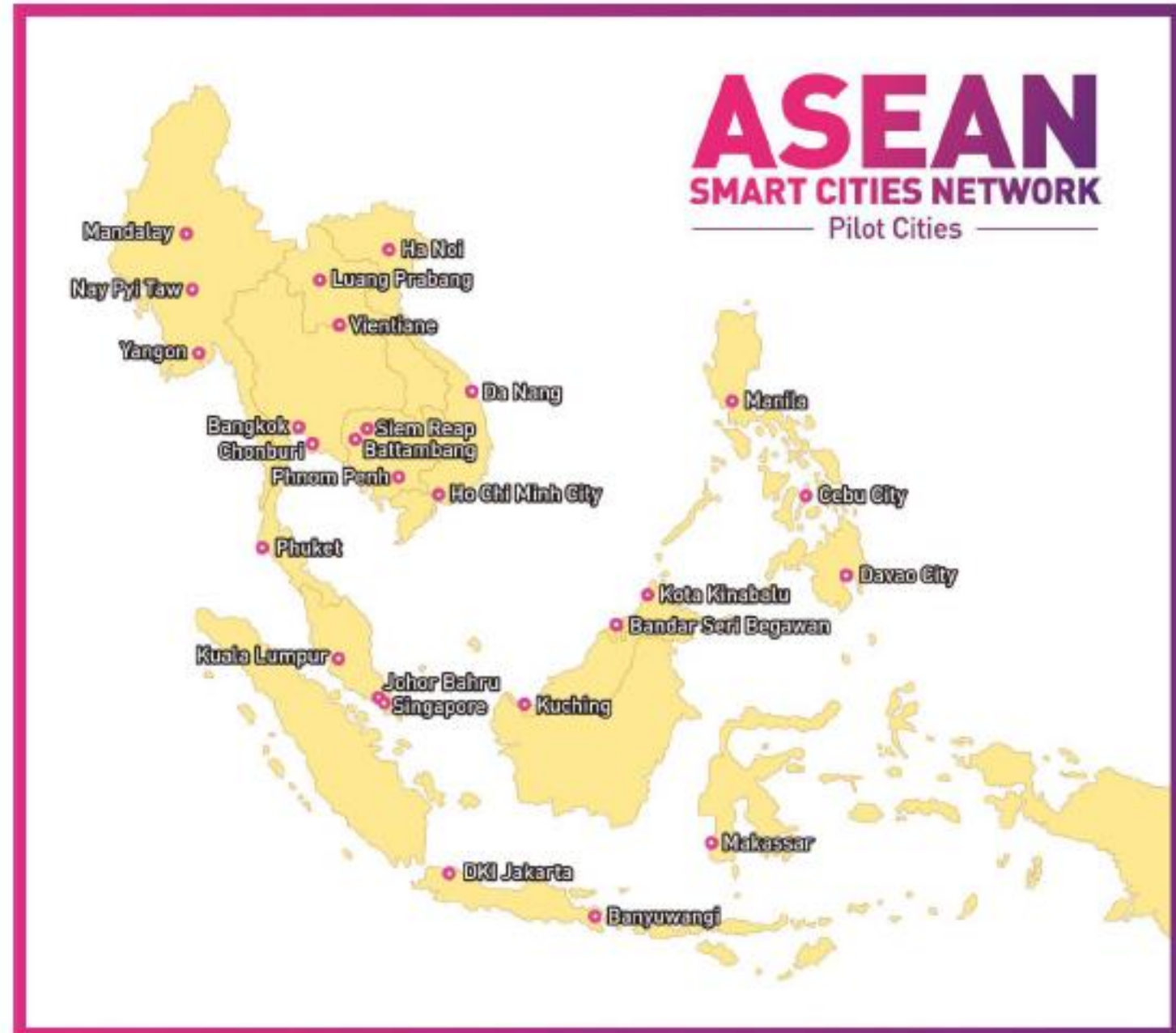
October 30th 2024, Tokyo Japan



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Introduction of Siem Reap Smart

- In 2018, the ASEAN Smart Cities Network (ASCN) framework document was adopted at the ASEAN Summit.
- A platform was launched for cities from ASEAN member countries to cooperate.
- Siem Reap was selected as Cambodia's Smart City Demonstration City.





■ Establishment of Siem Reap Smart City Committee



■ JICA Data collection survey (2020~2022)



■ Roadmap (Mar. 2023)



■ Siem Reap Smart City Secretariat

2018

2019

2020

2021

2022

2023

2024

2025

■ SR is selected as demonstration city by ASCN



■ 38 road construction project



■ JICA Smart city project (2022~2025)

■ Siem Reap Smart City Consortium

- New airport, Siem Reap Angkor International Airport (SAI) was launched in October 2023





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Siem Reap Smart City Roadmap



- **Smart city roadmap** has been finalized in March 2023 by Siem Reap Provincial Administration in cooperation with JICA (Japan International Cooperation Agency)
- The formulation process took two years with wide range of discussions



Framework

1. Development framework

- a. Population Frame
- b. Tourism Demand Frame
- c. Spatial Structure and Land Use Frame

2. Reference Policies for Relevant Plans




- a. National Smart City Roadmap in Cambodia
- b. Siem Reap Tourism Development Master Plan 2035 and relevant plan
- c. Land Use Master Plan of Siem Reap City 2035

Vision







Strategic Approaches

Organizational Approaches

	Sector	Basic Policy	Direction of Measure
	Administrative Organizations	Open Collaboration	<ul style="list-style-type: none"> • Cross-divisional Administrative Structuring • Collaborating with Diverse Actors
	Legal Systems Business Support	Promotion of Smart Business	<ul style="list-style-type: none"> • Improving the Business Environment • Improving Incubation Functions
	Data Management	Utilization of Valuable Data	<ul style="list-style-type: none"> • Developing Data Platforms • Promoting Open Data

Sectoral Approaches

	Smart Tourism	Towards more convenient and satisfactory tourism	<ul style="list-style-type: none"> • Updating Tourism Services • Satisfying Tourists' Demands
	Smart Mobility	Towards more convenient and satisfactory tourism	<ul style="list-style-type: none"> • Creating Safe and Smooth Traffic • Efficient Management and Environment Consideration
	Smart Security and Safety	Towards basic security as a safe international tourist destination	<ul style="list-style-type: none"> • Mitigating and Adapting to Crime and Accidents • Adapting to Disasters
	Smart Waste Management	Towards a healthy and sanitary urban environment	<ul style="list-style-type: none"> • Enlightening the Environmental Mind • Enforcing Public Waste Management • Engineering of Basic Infrastructure

Siem Reap's Smart City Approach

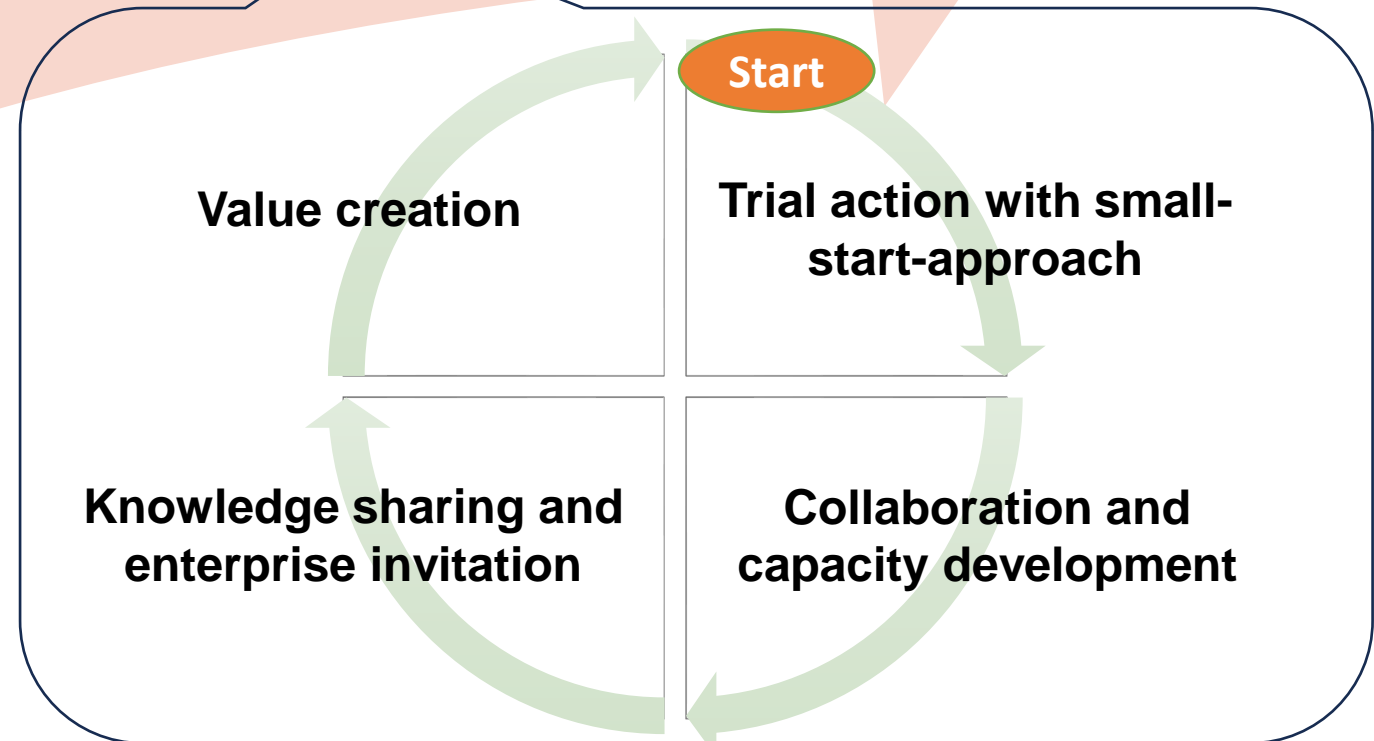
- Roadmap Implementation

Sustainable and Attractive Society

- SC Roadmap Formulation



- Data Collection and Issue Identification



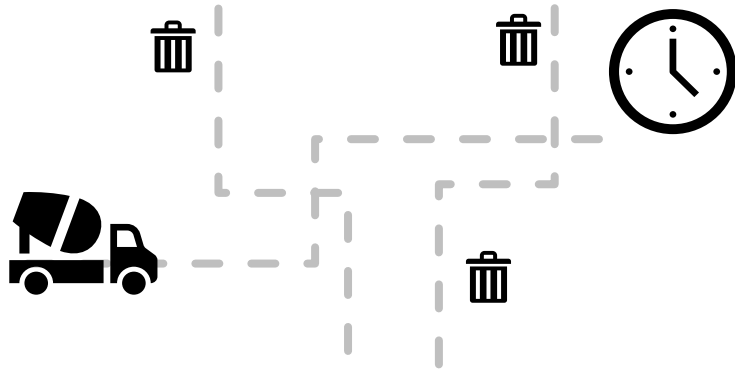
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PILOT PROJECTS

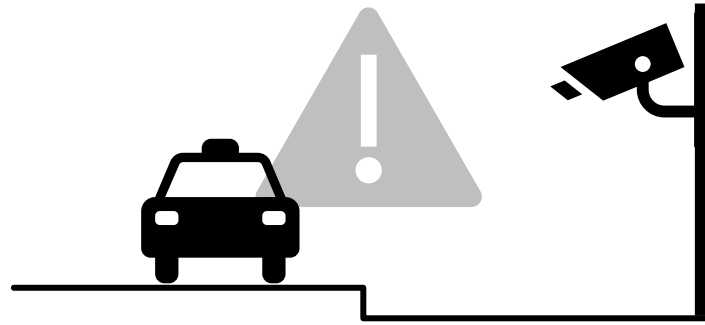
Pilot Projects (first round)



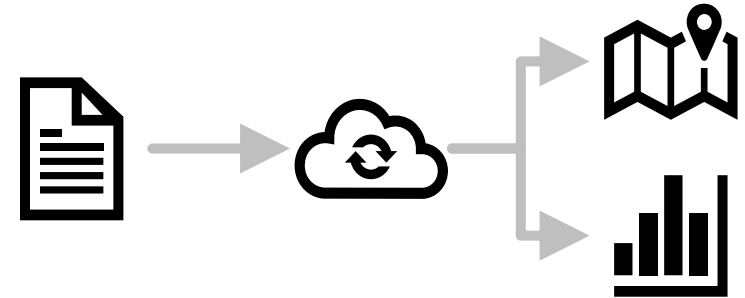
(1) Waste Collection Improvement



(2) Illegal Parking Monitoring



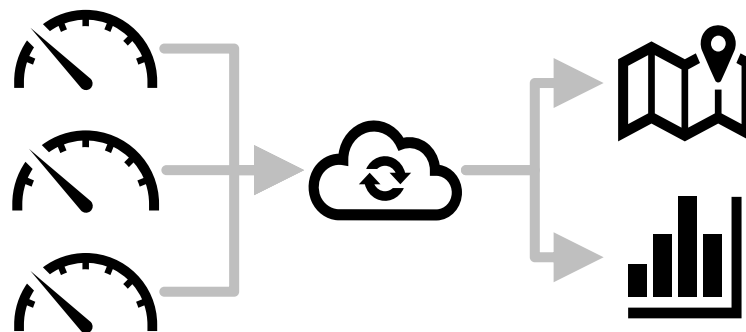
(3) Tourism Statistics Digitalization



(4) Government Internal Document Tracking



(5) Urban Environment Monitoring by Sensors



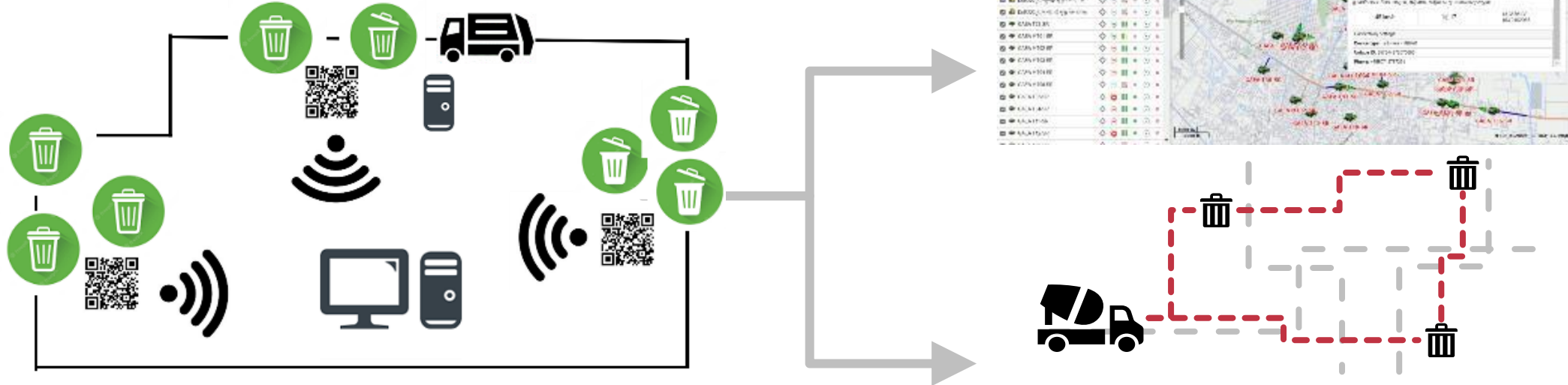
(6) Public Private Tourism Collaboration



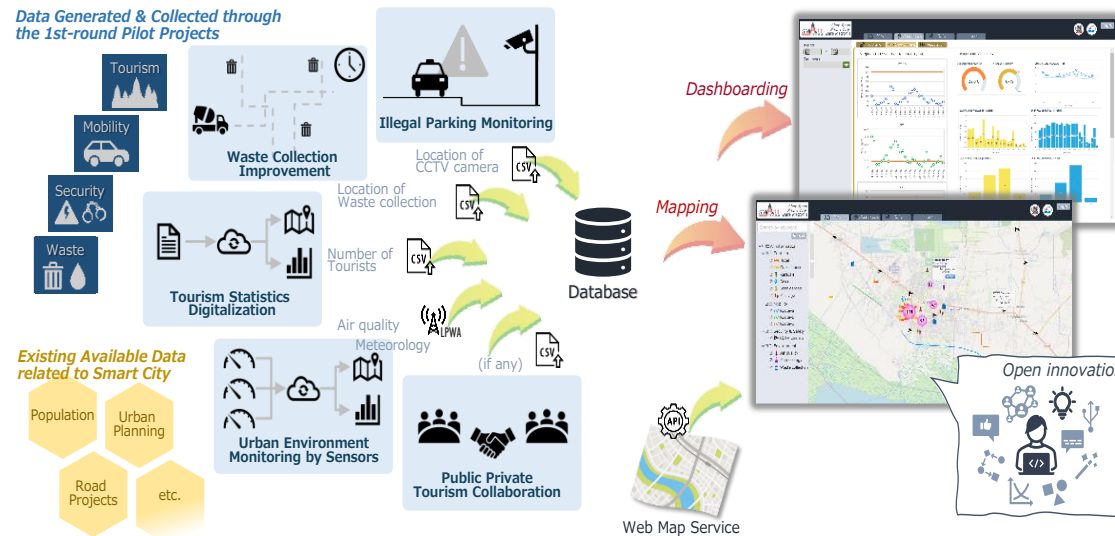
Pilot Projects (second round)



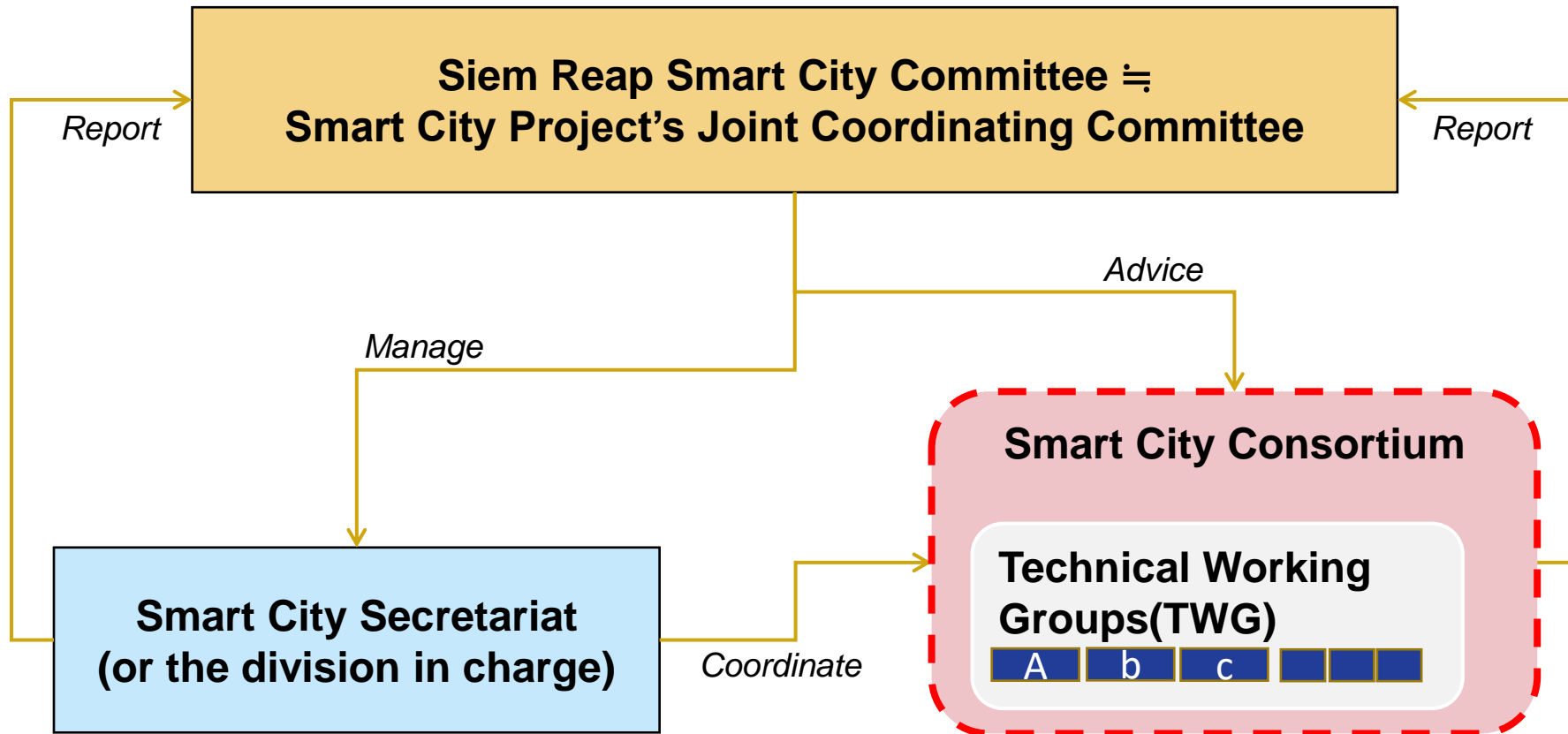
(7) Smart Waste Collection and Transportation



(8) Data Platform

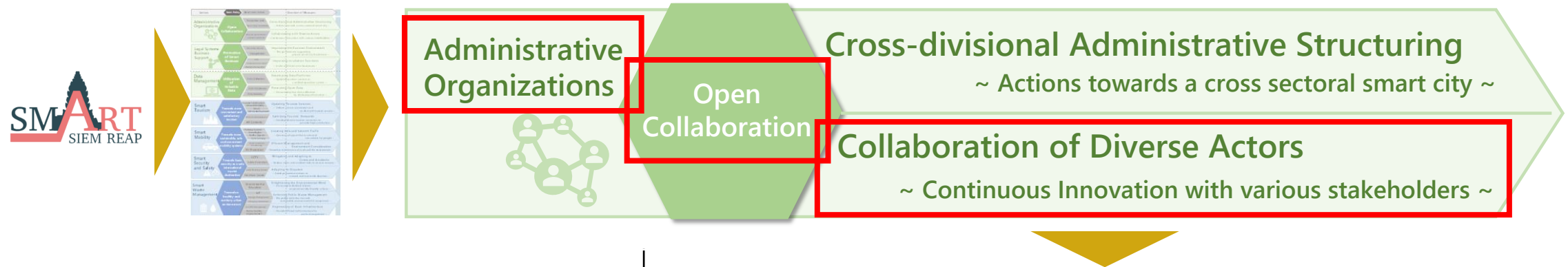


Smart City Implementation Structure





Consortium Implementation Structure



Objective of the SC Consortium

To promote collaboration among communities, private company, academic, and government.



Activities of SC Consortium

(Your future activity)

1. Encouraging members to propose initiatives that support the smart city vision.
2. Dissemination of information and awareness-raising related to smart city activities
3. Implementation of the smart city projects
4. Other activities

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OTHER ACTIVITIES

IT training (IT Passport) for Siem Reap Officials are being implemented

- Period: From 23rd January 2023 to 30th March 2023.
- Number of Participants: 103 members from Siem Reap Officials
- Method: E-Learning (online) 1.5 hours/day
- Participants learn for;
 1. Basics knowledge of IT skills (Japanese style)
 2. Understand network and cyber security
 3. Understand project management work
 4. Understand the regulations
 5. Understand business strategies

CADT IDG វិទ្យាស្ថានសិក្សាអិច្សិយូស
Institute of Digital Governance

New IT Passport Examination Preparation Book

IT Passport ៧

Objective
This chapter explains the understanding of business processes, methods for business improvement, the flow of information system construction, and the creation of requirements definitions for computerization, on the basis of information systems strategy.

3-1-3 Solution Business

- SI (System Integration)	Reference:
- Outsourcing	- Installation of software packages
- Offshore Outsourcing	- Online storage
- Hosting service	- On-premises
- Housing service	- BI (Business Intelligence) tools
- BPO (Business Process Outsourcing)	- Big data
	- Data warehouse
	- Data mining

Dr. Thach

Dr. Thach Burreoun (Guest)

You Meng... pheap so... Dr. Thach Bu.

Training In Japan



With Takamatsu city, Japan

On the 6th of February 2024, a signing ceremony was held in Siem Reap Province and Takamatsu City for a Memorandum of Understanding (MOU) for collaboration on smart cities.



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Thank you!

