

Japan's Super City Initiative

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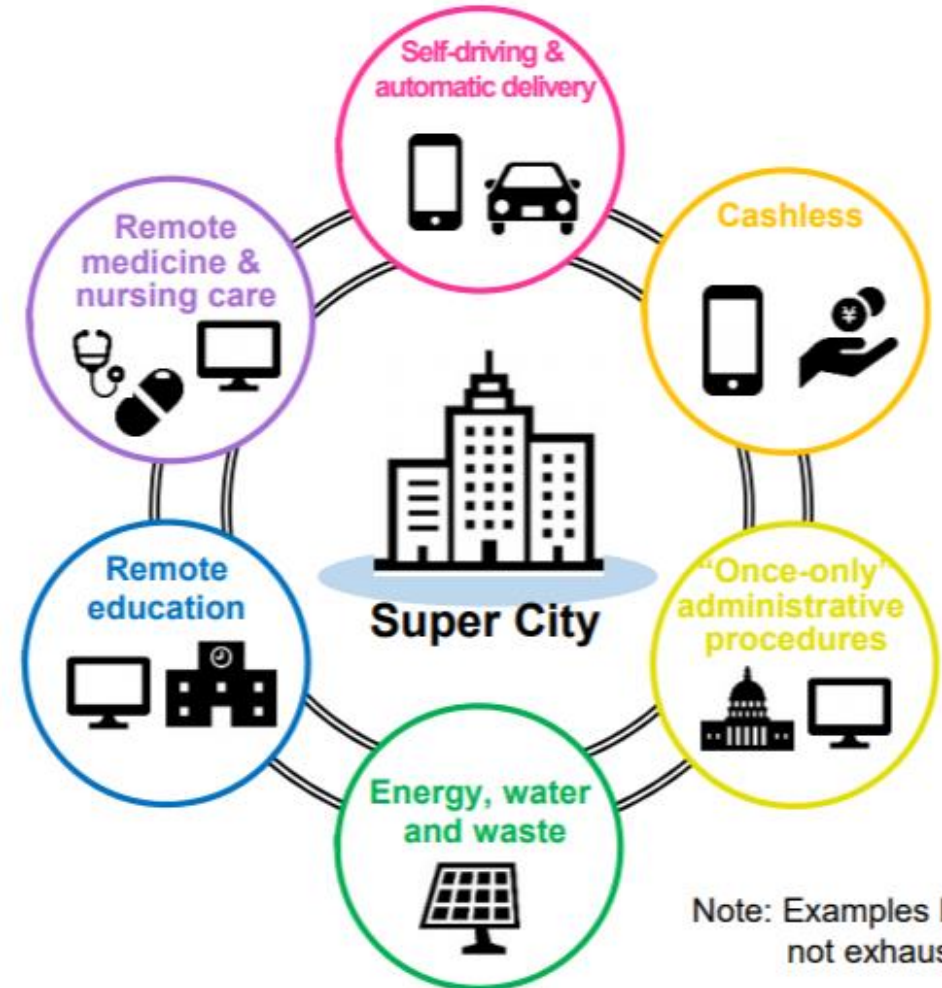
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**Smart City
Institute Japan**

Japan's "Super City Initiative"

- Japanese Government launched the "Super City Initiative" in October 2018, which aims to showcase a better society and a lifestyle to be realized after the fourth industrial revolution.
- The basic Super City concept is:
 - Not a single but several fields of life solution services should be implemented.
 - It must include the implementation of the leading-edge technologies which work for actual use beyond their temporary demonstration.
 - It must reflect the viewpoints of living people and should be welcomed by residents directly.

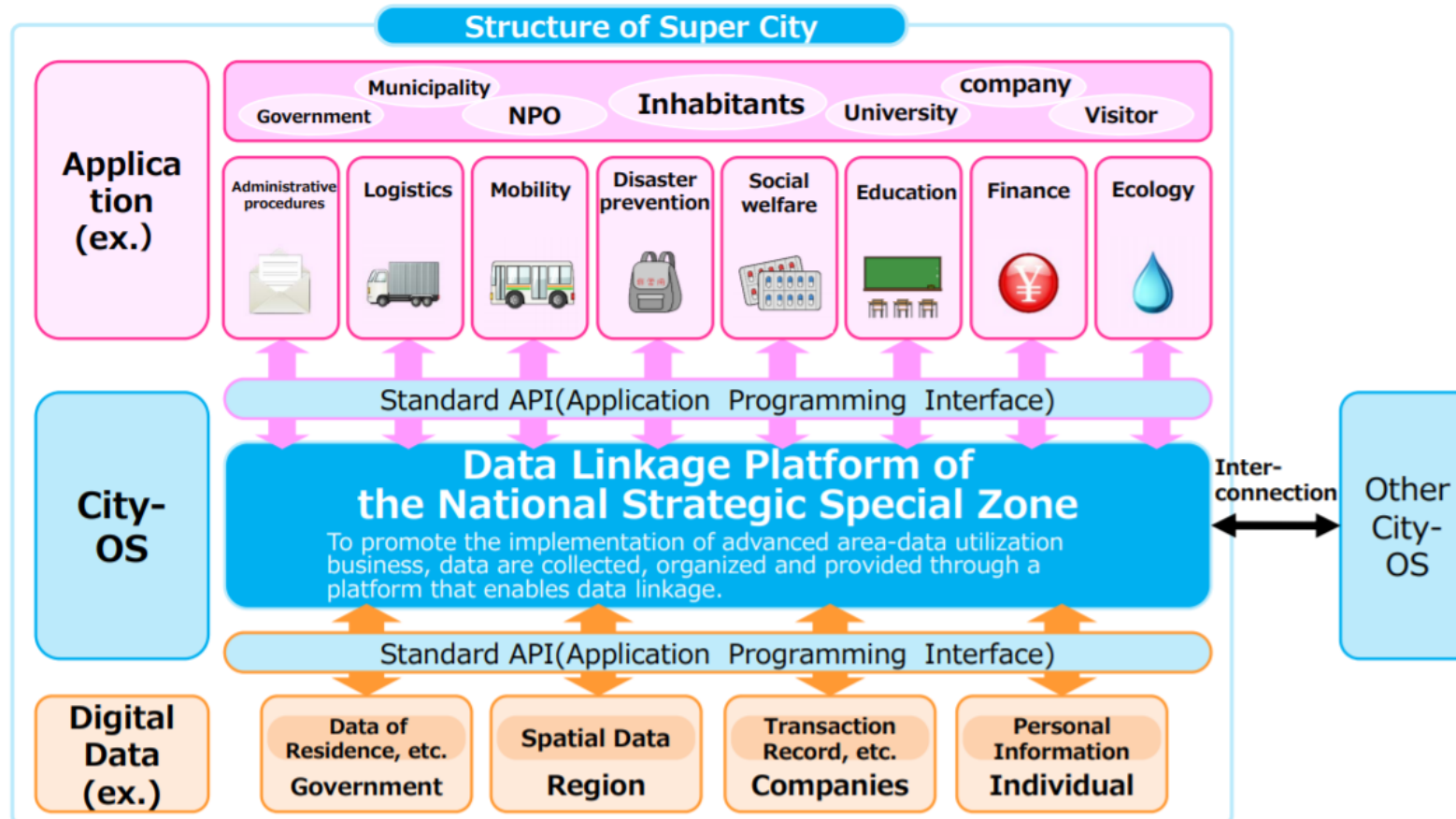


“Super City” – Beyond Smart Cities

- Showcase “holistic future state” of cities in Japan in 2030
- More than 5 digital solutions must be implemented concurrently to be qualified
- Shift from silo-based approach to comprehensive platform-based approach
- Use integrative reference architecture to efficiently enable data interoperability
- PPPP as fundamental means to implement governance
- Enhanced national strategic special zone to facilitate new technology
- At least initially, only about 5 cities will be chosen as “super cities”
- Both brown- and green-field approaches acceptable

Japan's Super City Initiative: Data Linkage Platform

- Super City is a city where we aim to improve welfare and convenience by providing various services to residents, etc., centering on the “Data Linkage Platform” (City-OS) that collects, organizes and provides various data across fields.



Japan's Super City Initiative: "Super City Open Lab" to Promote Collective Action & Impact

■ 198 organizations are registered in the Super City Open Lab (as of 30 October 2020).

Architecture	
Orchestration	
Service Applications	
City OS	
Networks	
Infrastructure	
Sensors	



Schedule of the Super City Initiative

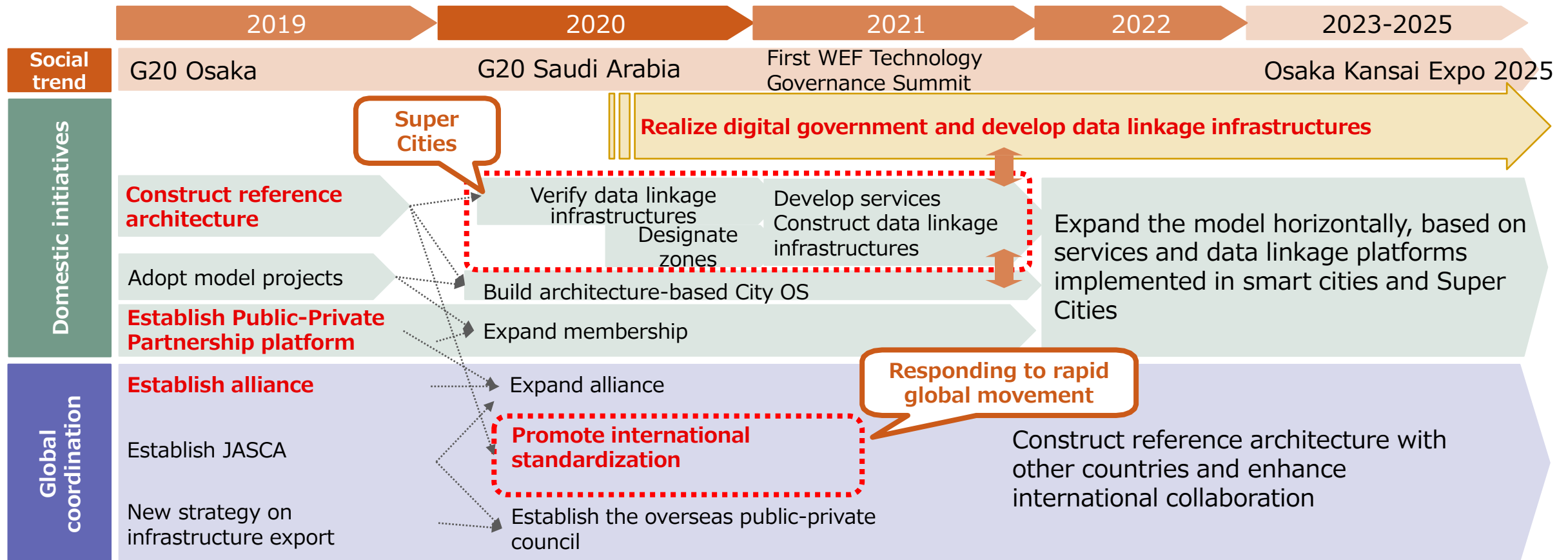
- 1 September 2020: Enforcement of amended National Strategic Special Zones Law
 - 30 October 2020: Revision of the Basic Policies on the National Strategic Special Zones
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- **November/December 2020: Recruitment of partner companies by local governments**
 - December 2020 - February/March 2021: Call for proposals for Super Cities
 - March 2021: Designation of Super City zones
 - **April 2021: Open recruitment of members by the Super City zones**
 - May 2021 - March 2022: Council meetings to develop the basic concept
 - January 2022: Confirmation of residents' approval of the basic concept
 - March 2022: Submission of the basic concept to Prime Minister

Japan's Current Policies for Smart Cities

- In response to National Strategic Special Zones Law, based on the problem solving and data linkage infrastructures of “Super Cities”, smart cities will be expanded to all municipalities in Japan.
- 1. Formation of smart cities, starting from supercities**
 - The Cabinet Office and Ministries jointly have public offerings and screenings (Joint Review)
 - Consider mutual data coordination with smart cities/supercities and support measures
 - Create model cases to be expanded nationwide will be created
 - 2. Actualization of a common policies for realizing City OS implementation and data linkage**
 - Clarify requirements for data linkage in smart cities and Super Cities
 - Promote compliance with architecture and guidelines (SIP / Super Cities / MaaS)
 - Promote open API in public projects and publishing API on common websites
 - 3. Promotion of smart cities in various regions**
 - Accelerate implementation of City OS in smart cities across the country
 - Promote standard construction methods for smart cities (guidebooks 2019 and 2020)
 - Develop next-generation human resources who will lead smart cities in each region
 - 4. International standardization and expansion of smart cities**
 - Strategically disseminate ideas of Japanese smart cities in and outside of Japan.

Japan's Current Policies for Smart Cities

- From FY2021, Japanese government will build a data linkage platform of Super Cities, and start linkage and interoperation of different City OS. It will be implemented in 100 areas, starting with Super Cities. The government will also promote international standardization.



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■ Smart City Institute of Japan (SCI-J)

<https://www.sci-japan.or.jp/english/index.html>

■ Mitsubishi UFJ Research and Consulting (MURC)

<https://www.murc.jp/english/>