

# ASEAN-Japan Smart Cities Network High Level Meeting

**October 9, 2019**

**Hayato Shimizu**

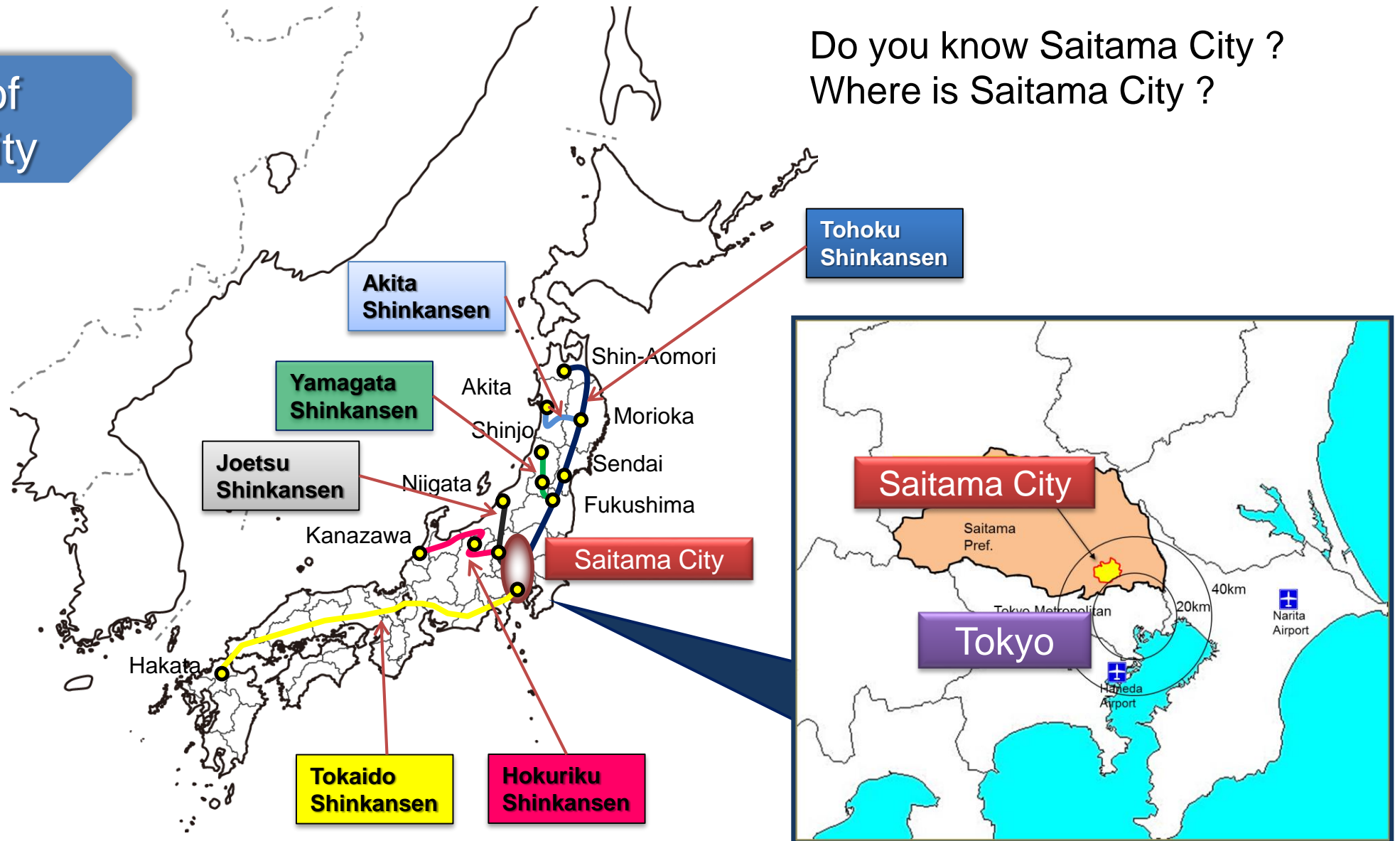
**Mayor, City of Saitama, Japan**



# Overview of Saitama City

## Location of Saitama City

Do you know Saitama City ?  
Where is Saitama City ?





# Introduction to Saitama City



Saitama Stadium 2002

Scheduled venue for 2020 Olympics



Saitama Super Arena

Scheduled venue for 2020 Olympics





# International Projects in Saitama City

## The Omiya Bonsai Art Museum



World's only publicly funded museum dedicated to bonsai (opened in 2010)



World Bonsai Convention held in Saitama for first time in 28 years (April 27-30, 2017)

## The Iwatsuki Ningyo Museum



- The Iwatsuki Ningyo Museum is to be opened on February 22, 2020 in the ningyo town of Iwatsuki.
- The museum aims to provide a facility where everybody can have fun and promote the beauty, history and depth of ningyo as a form of Japanese culture.



# Basic Stance

on-the-spot decision-making



**" The CS90 "**

**= citizen degree of satisfaction(Citizen Satisfaction), to more than 90 %.**



# ■ Eco-Mobility City

## The strategy to promote EVs : “E-KIZUNA

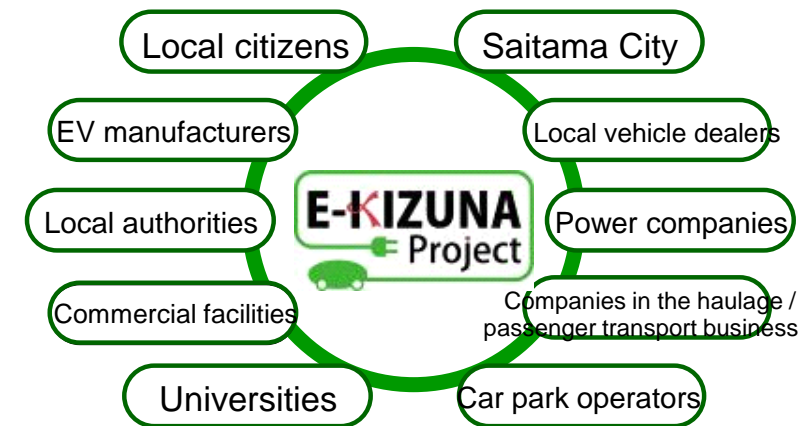
### Objectives

**Saitama city** and **other stakeholders** work together to promote electric vehicles (EVs) in the city in order to build a low carbon society where consumers can feel safe and use EVs comfortably.

### Key principles

- (1) **Reliability** – building a reliable charger network
- (2) **Satisfaction** - creating market and adding incentives
- (3) **Familiarity** - educational/promotional activities for community

### Building cooperation between Multi-stakeholders



Introduction of patrol cars in 10 different colors representing the 10 wards



Taking the lead in introducing fuel cell vehicles (FCVs)



Subsidies for the introduction of EVs and FCVs



# E-KIZUNA Project

Agreement signed with nine companies including vehicle manufacturers



**2009 Fuji Heavy Industries (now Subaru)**



**2010 Mitsubishi Motors**



**2016 Mitsui Fudosan Realty**



**2009 Nissan Motor Company**



**2011 Aeon Retail**



**2017 Yamaha Motor**



**2011 Honda Motor Company**



**2011 Toyota Motor corporation**



**2018 Tokyo Electric Power Company**

# ■ Environmental Future City

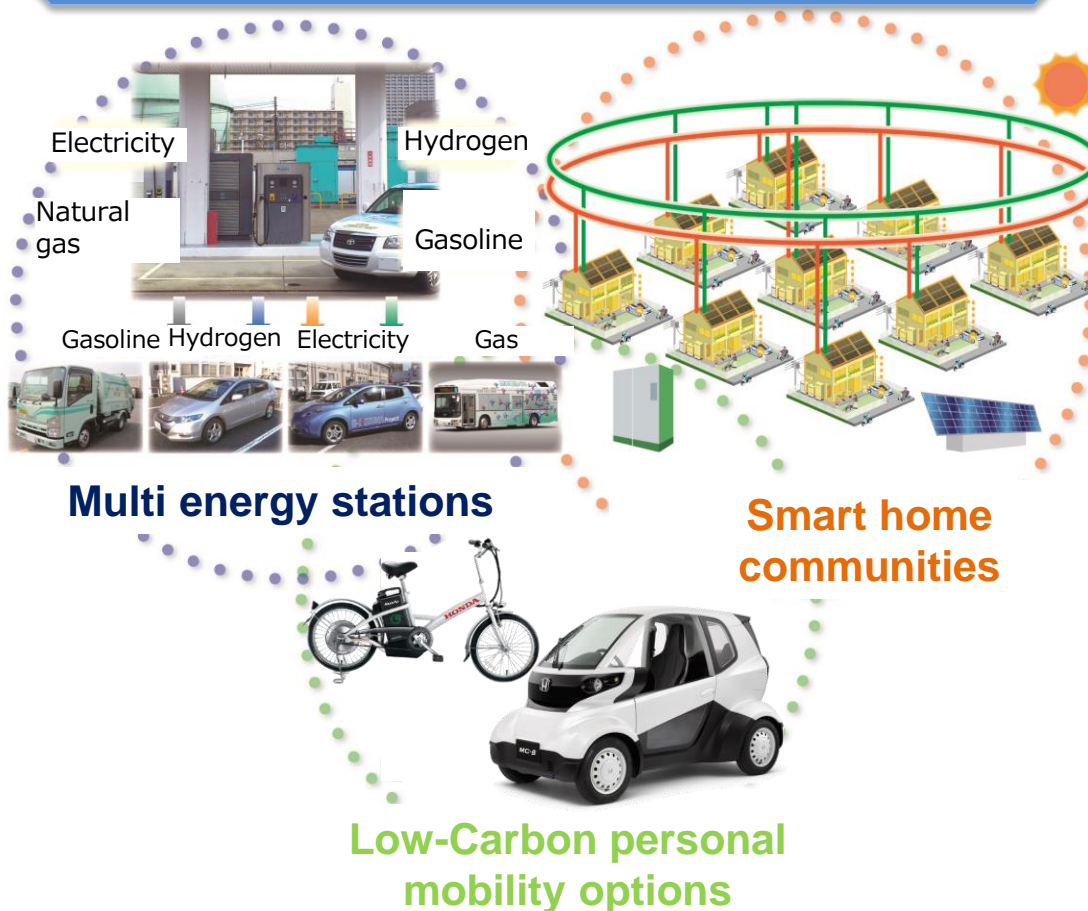
Lessons learnt  
post-disaster in 2011  
(Great East Japan Earthquake)



Initiatives to improve  
**Infrastructure Resiliency**

The Special Zone  
"Next-generation Vehicles and Smart Energy"  
designated by the national government in Dec. 2011.  
The project is for 8 years starting from 2012.

**Special Zone for Next-Generation Vehicles  
and Smart Energy**



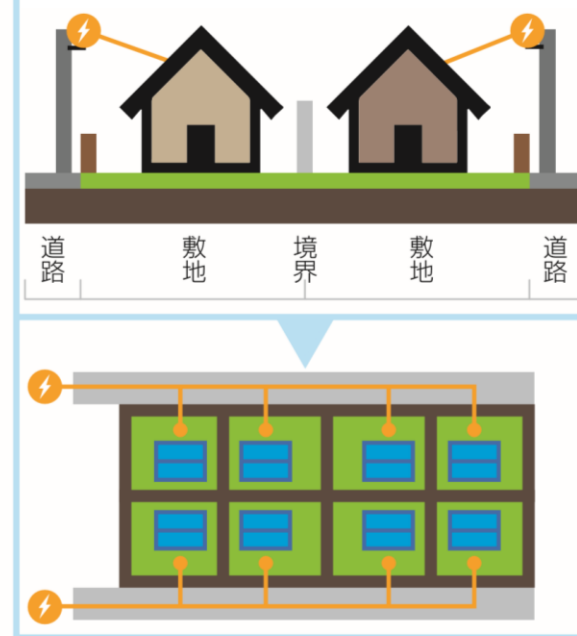


# Smart Home Community

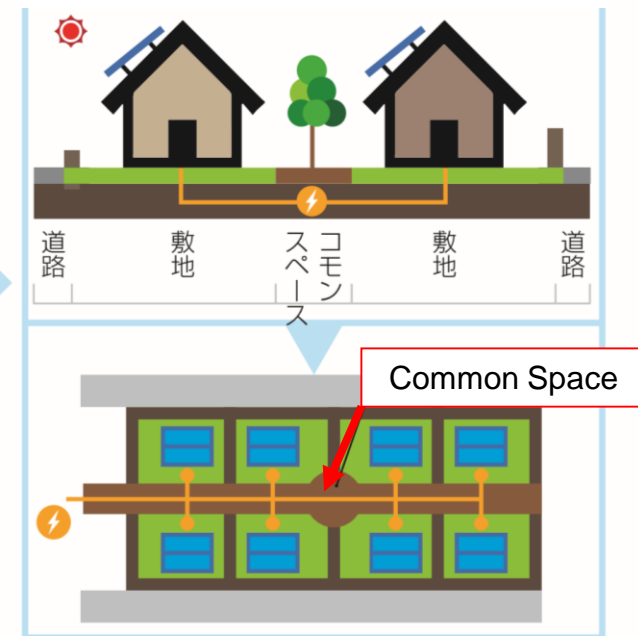
## Smart Home Community Leadership Model Block



Conventional Type



New method



# ■ Digital Grid Platfome

## Digital Grid Platfome

### Point 1

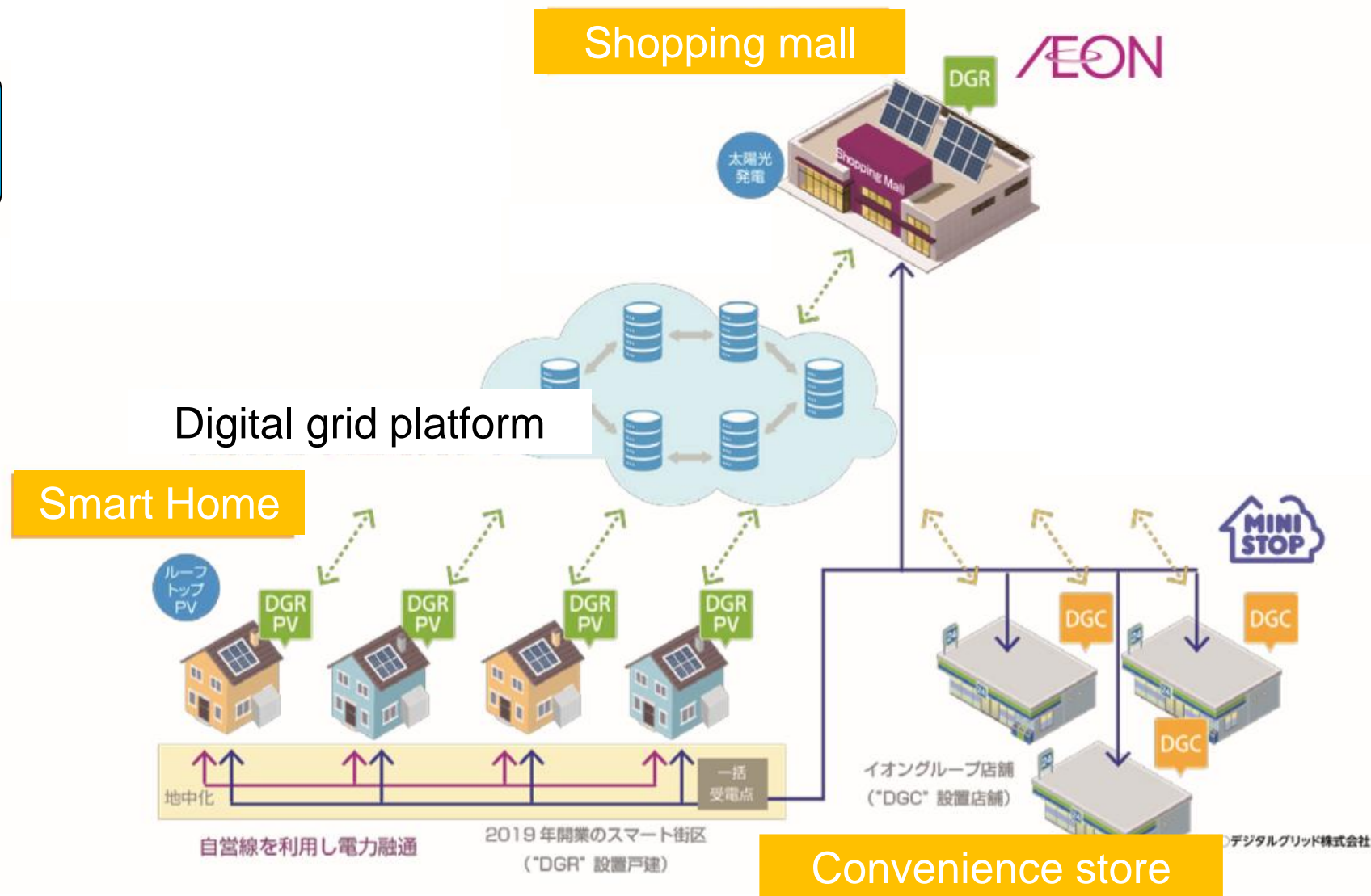
A virtual trading market will be formed for exchanging PV-generated electricity

### Point 2

In accordance with the situation of photovoltaic power generation and the state of charge of the storage battery, DGR will automatically conduct virtual trading of electricity.

### Point 3

The asynchronous AC-DC-AC interconnection prevents power outage in the dwelling units even when there is power failure on the system side.





# ■ “Smart City Lab” in Saitama City

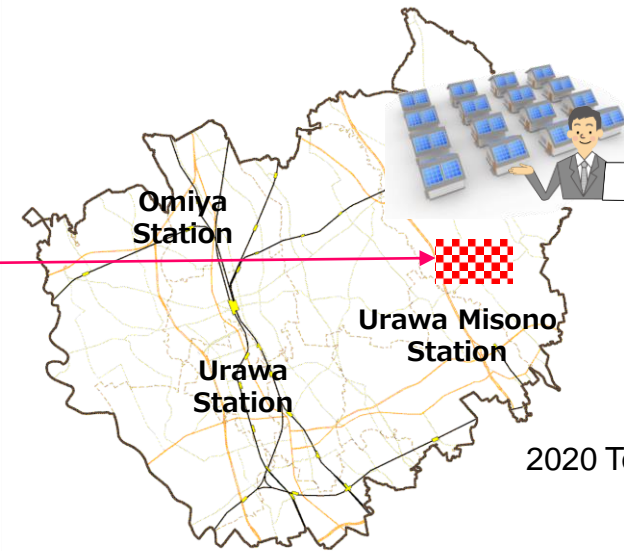
Urawa Misono is sub-center of Saitama City, and the area has become a **Smart City Lab**, having “Urban Design Center Misono (UDCMi)” at its center, number of “**Public-Private + Academic Sector**” project has been initiated in the area. One of the most important projects in Urawa Misono is to develop and implement “**The common platform (Saitama version)**” data system for innovative solutions for a sustainable, digital society.

## Urban Design Center Misono [UDCMi]

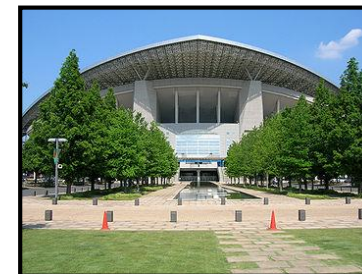
An urban design center for various stakeholders including citizens to address their local issues and finding innovative, sustainable solutions for the communities.



**Public Private + Academic Sector coming together  
at UDCMi for joint initiative!**



2020 Tokyo Olympic/Paralympic Venues  
in Urawa Misono



Saitama Stadium 2002



Urawa Misono Station  
(Saitama High-Speed Rail)



# IoT Smart City (Projects utilizing Big Data and analytics)

The common foundation of information aimed at offering the creation of data like never before and one-stop service by integrating data and services regardless of specific devices and manufacturer.

Multi-Mobility Sharing



Connected Autonomous Vehicle



Web Locker Project · Free Wi-Fi



Regional loyalty card projects



IOT childcare and transfer Sharing

Parenting support information App



Smart Home Community



Food-sharing mileage project



Well-being project



The common platform (Saitama version)



Misono-ichi (local farmers market)



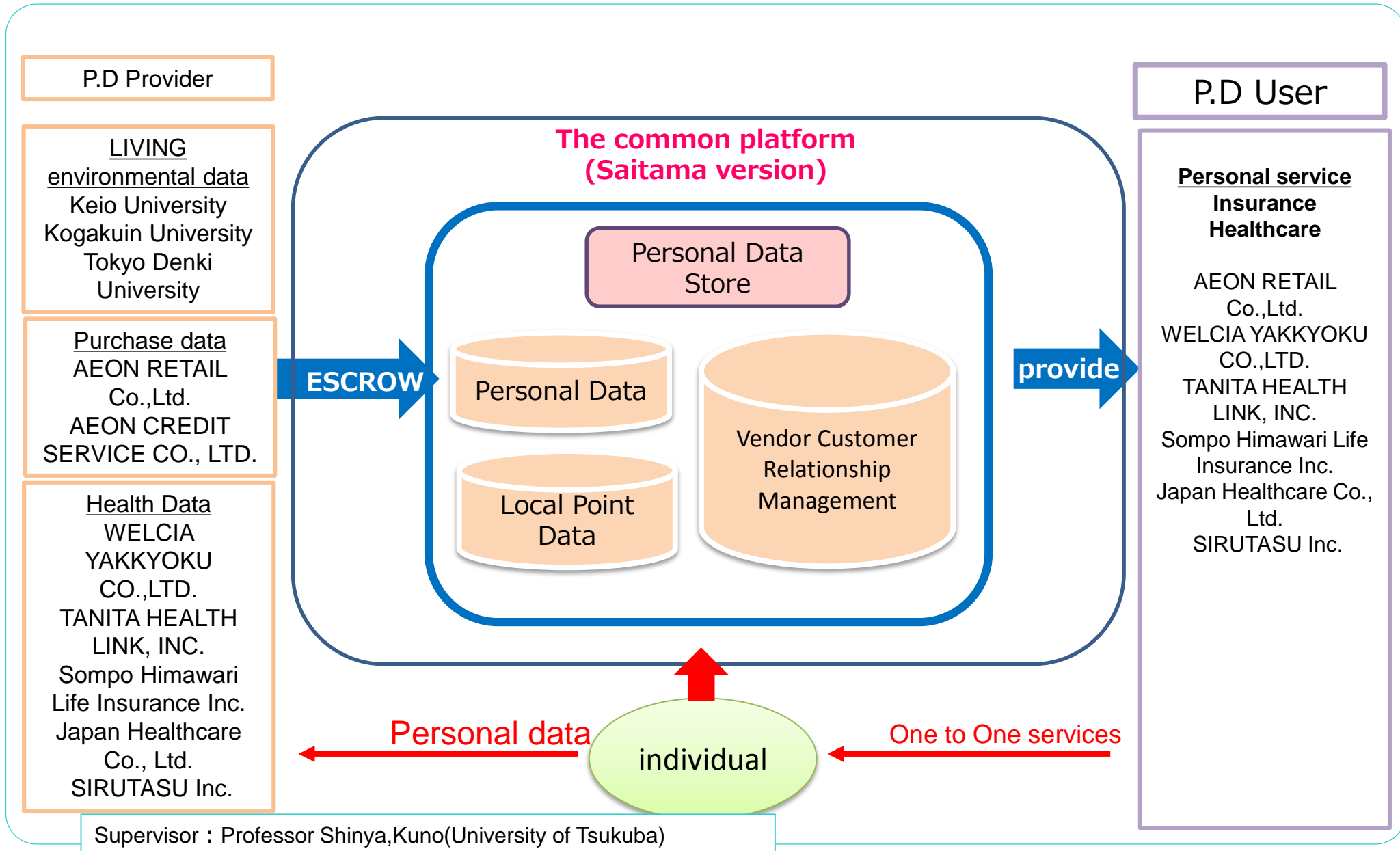
Organizing events at unutilized open spaces



Local communities



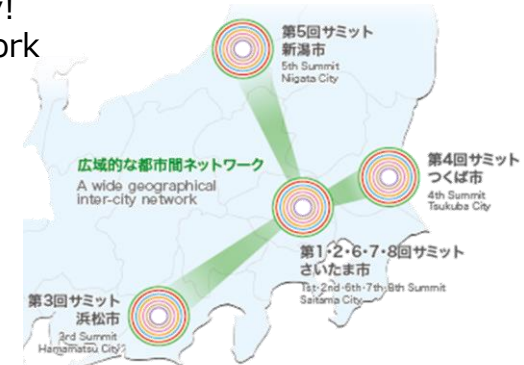
# IoT Smart City (Projects utilizing Personal Data and analytics)



# ■ Towards to the first E-KIZUNA Global Summit

## E-KIZUNA Summit

Sending message from Saitama City to the Eastern Japan, and to the whole country!  
The **E-KIZUNA Summit** has been held since 2010, to build a broad inter-city network and to promote the adoption of **EVs**. (The 9th summit will be held in Oct. 2018)



【 Participants 】 400 people / 52 groups including 3 Japanese ministries,  
4 prefectures, 19 cities, 19 private companies

**Building a broad Intercity Network**

## Cooperation with ICLEI World Secretariat and ICLEI Japan



### Promotion Strategy

- Cooperation with multiple stakeholders
- Addressing diverse issues based on global trends
- Promotion by the mayor

## Development and Expansion



**E-KIZUNA Global Summit (tentative)**

in 2021





【1 July 2019】



# Building an Attractive City with Good Quality of Life

**The CS90\* campaign to promote  
Saitama City as an attractive place to  
live is now underway**

**\*CS90 Campaign**

The aim of this campaign is to increase the proportion of residence of Saitama City who feel that it is an easy and convenient place to live, with a target of more than 90% by 2020 (83.2% as of FY 2016)

CS=Citizen Satisfaction

