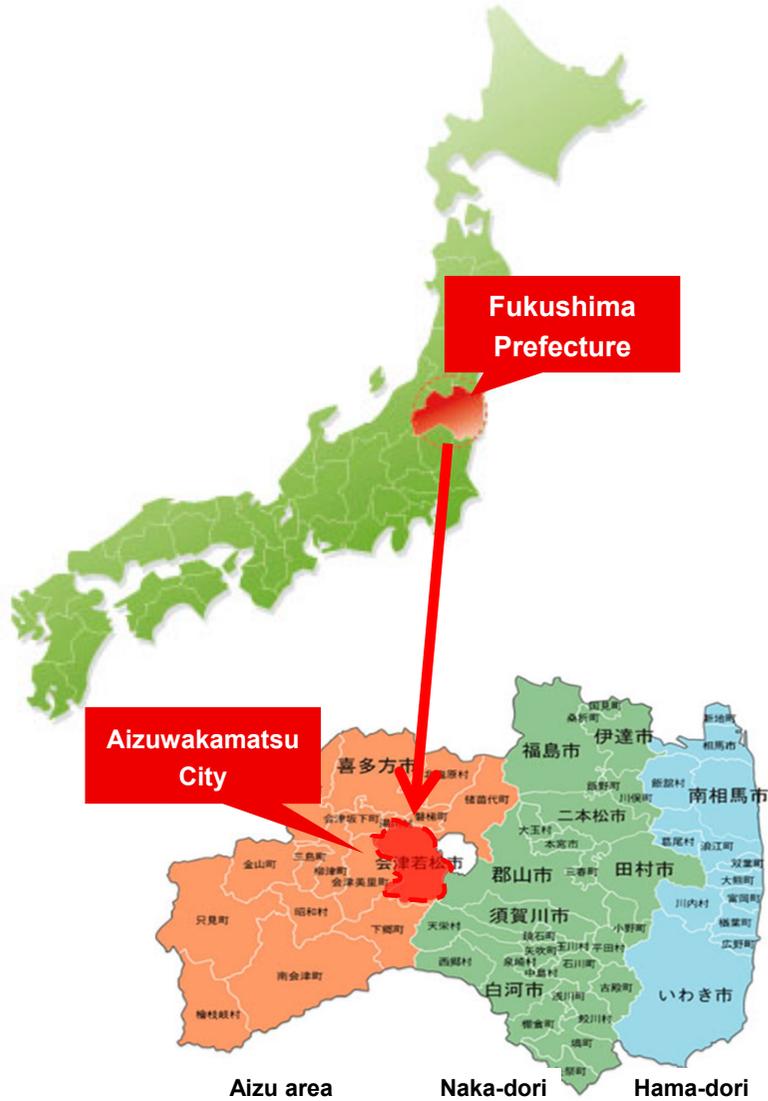




**Initiatives and Vision for  
“Smart City Aizuwakamatsu”**

**Oct. 18, 2021  
Aizuwakamatsu City Mayor  
Shohei MUROI**

# Outline of Aizuwakamatsu City



(As of Aug. 1, 2021)

Population according to Basic Resident Register: 116,171

Number of households: 49,179

## Geography

- Aizuwakamatsu is located in the western part of Fukushima Prefecture in the Tohoku region.
- The city is surrounded by beautiful nature, including Mt. Bandai and Lake Inawashiro.

## Cityscape

- The historical landscape in the city center preserves the traditional atmosphere of an old castle town.

## Industries

- Japanese leading tourism industry (Tsuruga Castle, Byakkotai, and other historical highlights).
- Agriculture based on rice cultivation and local industries, including sake production and lacquerware.
- Agglomeration of ICT-related industries represented by “Smart City AiCT”.

## University of Aizu (est. in 1993)

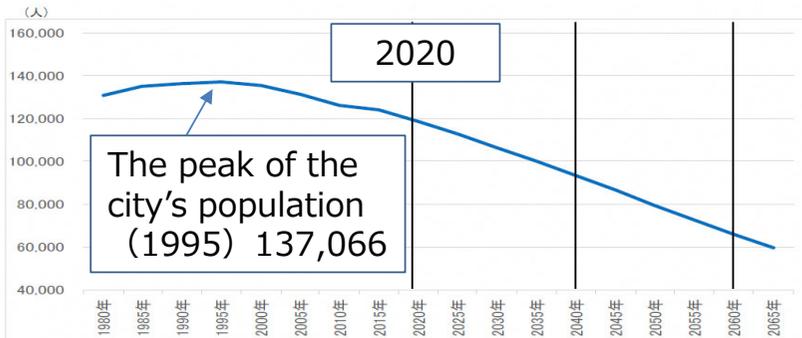
- A public university dedicated to advanced ICT software/hardware.
- The purpose is to train specialists in computer software/hardware.
- Characterized by English education for world-class ICT research.

# The Current Status of Aizuwakamatsu

Aizuwakamatsu has the following issues in common with other small cities in Japan.

## Population Decline

■ Population is declining by more than 1000 per year.



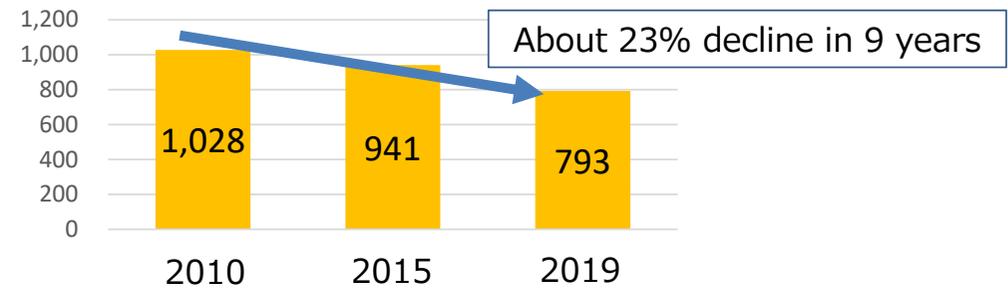
※Estimated population based on current status (“Overcoming Population Decline and Vitalizing Local Economy Strategy in Aizuwakamatsu (2nd stage)”).

■ The rate of decline in the working-age population is especially large.

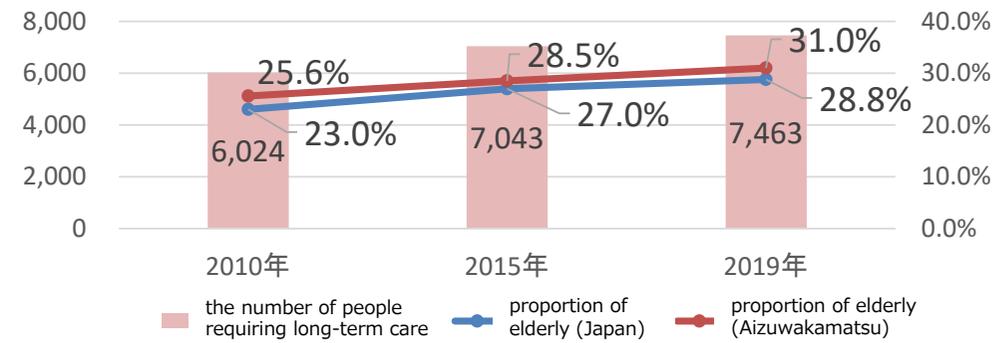
	2011.Mar.	2021.Mar.	Rate of change
Current population	126 K	118 K	▼6.3%
Working age population (15-64)	76.0 K	65.6 K	▼13.7%

## Birthrate Decline and Aging Population

■ The birthrate is steadily declining year by year.



■ The proportion of elderly residents exceeds the national average, and the number of people requiring long-term care is increasing.



On the other hand, Aizuwakamatsu has advantages such the University of Aizu and the fact that the city is home to a semiconductor factory. We believe our citizens have a strong base for understanding ICT, and we aim to become a model for other cities in Japan to solve various regional issues by challenging ours head-on.

# Overview and Vision of “Smart City Aizuwakamatsu”

- Aizuwakamatsu city is promoting smart city initiatives in a variety of diverse fields.
- We consider it important to provide citizens with personalized services based on “opt-in” policies through the City OS.
- However, a City OS on its own is insufficient for a smart city, so we also focus on a combination of efforts including enterprise collaborations, cooperation with the University of Aizu, promotion of citizen’s understanding, and so on.



Understanding citizens through active involvement



To create a city where everyone can live comfortably, the citizens must be actively involved.

Collaboration with various companies



Each company works together closely as if they were a single virtual company.

Collaboration with the University of Aizu

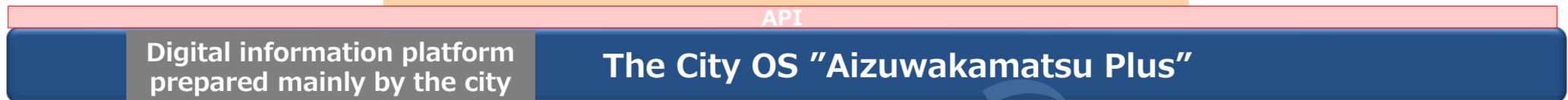


The university provides advice and technical cooperation and develops analytical human resources.

Human resource deployment in the city government



Developing and deploying staff with the same skills as SE, we promote Smart City Initiatives across different departments.

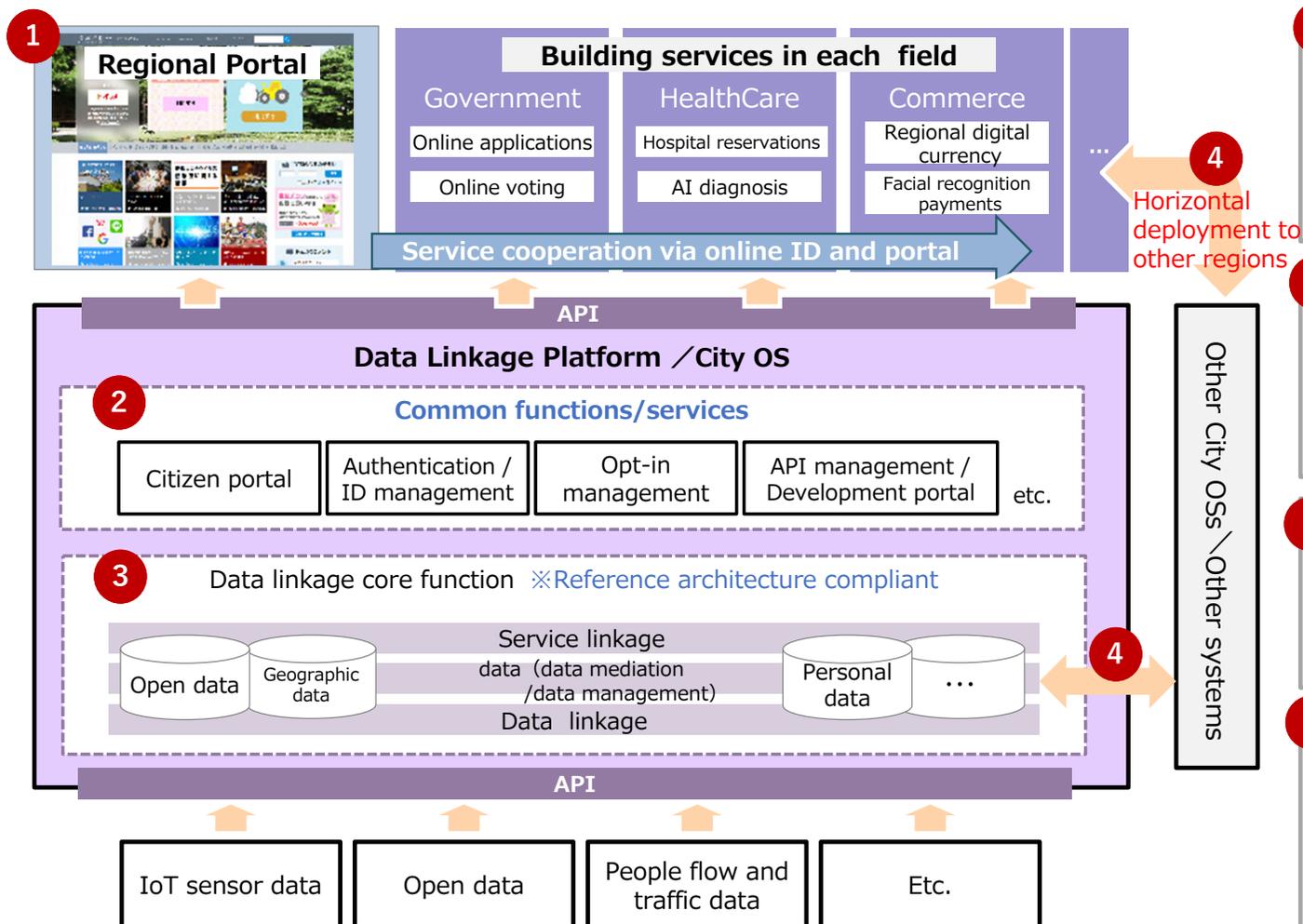


Personalized services provided



# Functions a City OS Should Have

## Overview of City OS

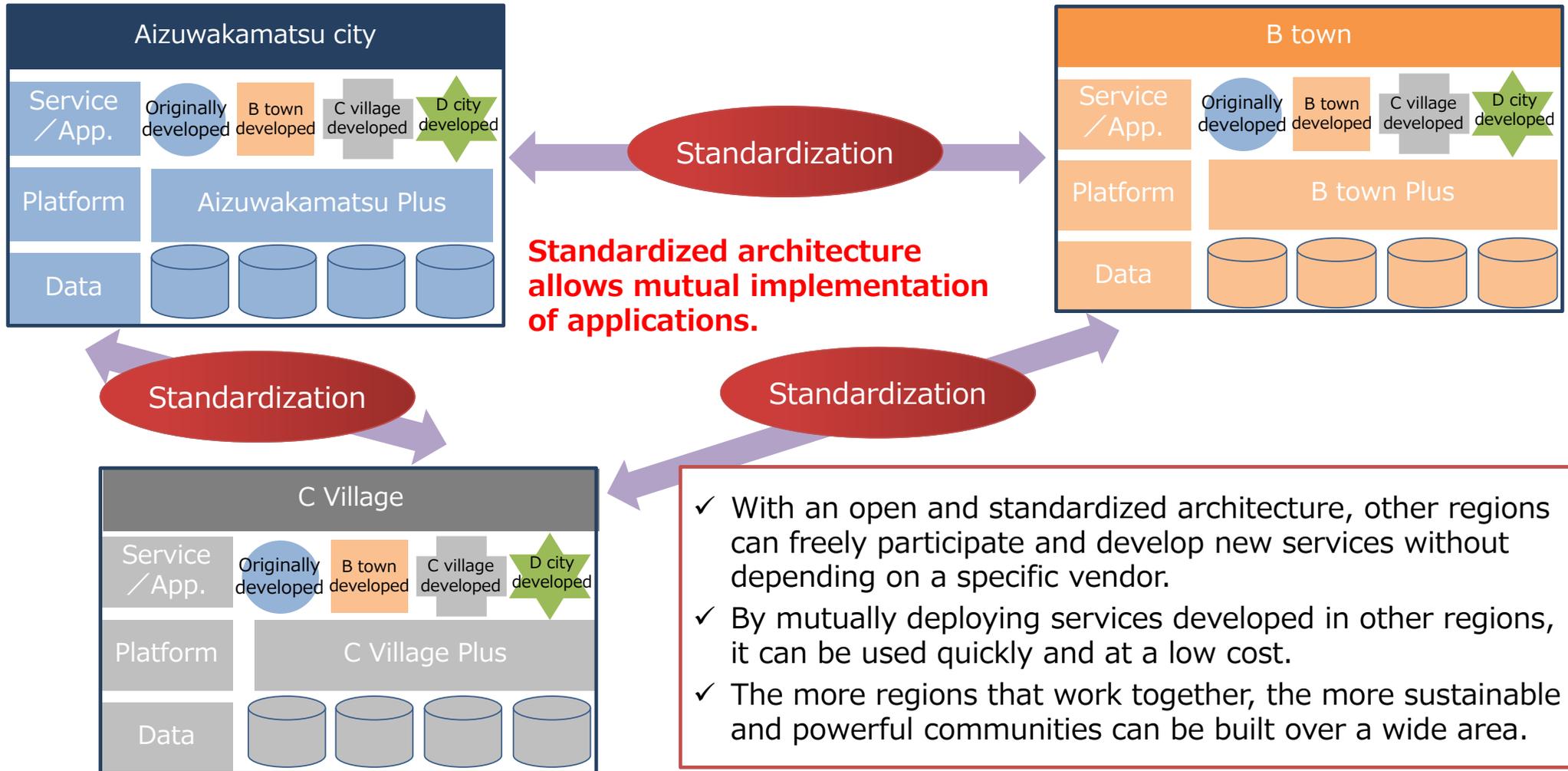


## Role of City OS

- 1 **Providing One-stop Services to Citizens**  
With the regional portal, citizens can use their "Regional ID" to access and manage digital services in each of the various fields that are expected to grow in the future. The portal consolidates city services into a single, streamlined interface for citizens to use.
- 2 **Connected Services and Functions**  
By providing the authentication, ID management function and opt-in management function that are used in common for each service, our service providers are well-equipped to develop efficient services and create a more user-friendly experience.
- 3 **Coordinated Data and Asset Management**  
By developing a standardized API based on reference architecture established by the Cabinet Office, data and asset management functions can be provided to allow for flexible and diverse data coordination.
- 4 **Cooperation with Other Regions (Other City OSs)**  
Citizen data can be linked with other city OSs on an opt-in basis, allowing for horizontal development of various new services intended for city OS systems. This method allows for efficient service implementation across different regions.

# Realizing a Strong Regional Community through Horizontal Deployment of City OS

## Image of inter-regional cooperation



# Example of Efforts in Smart City

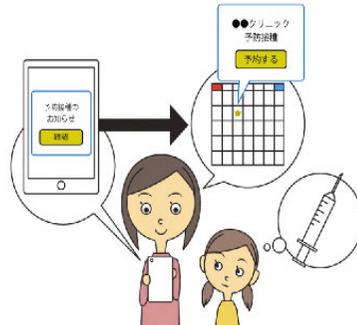
~ Efforts to Provide Local Information and Healthcare Services ~



## Recommendation-style local information platform

- As a gateway for local information, this service provides relevant news and information for users based on their individual attributes (age, gender, family composition, hobbies, etc.).
- The platform provides information and services not only from local government administrations but also from local companies.
- Data and information is relayed to a wider audience by creating an accessible and easy-to-read display system.
- Offers for services that utilized ICT, including administration services, are presented according to each user's information and activity history. Content is updated and optimized by a content distribution algorithm.

### Example : a housewife with children



Recommended articles include events for children, and notifications for child support are displayed at the top of the portal.

## Utilize health data and wearables to improve wellness

### Healthcare Services Provided



PREVENT 名古屋大学医学部発医療ベンチャー株式会社PREVENT協力

1 Visual summary of checkup results

2 Lifestyle disease risk charts

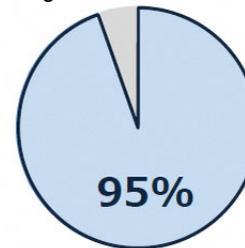
3 Activity level chart

### Contents of PoC Research

- Detailed health checkup data is displayed.
- Areas that need attention are clearly highlighted.
- Surveys for potential long-term health risks associated with lifestyle and habits.
- Provides an incentive system linked to data from digital accessories.

### Changes in health awareness

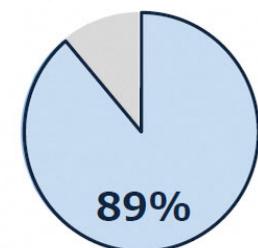
Has your health awareness changed while using this healthcare service?  
(Percentage of users who answered "Yes")



**95% of users benefited from improved health awareness**

### Changes in health behavior

Have you made changes to your lifestyle while using this healthcare service?  
(Percentage of users who answered "Yes")



**89% of users saw an improvement in their lifestyle**

- ✓ Use blockchain technology to safely manage data
- ✓ Improve health awareness and lifestyle



We want to be a city where our children genuinely think "I want to continue living here when I grow up." We hope Aizu will be a place where, as we grow older, we will think to ourselves "we can continue to live here."

We believe in a future Aizuwakamatsu where life is even more convenient, more professionally fulfilling, and where each person can live their life to the fullest.

So, we will steadily promote the "Smart City Aizuwakamatsu" initiatives in cooperation with our city's residents, so that everyone can continue to thrive in the city.

Thank you all for your attention