

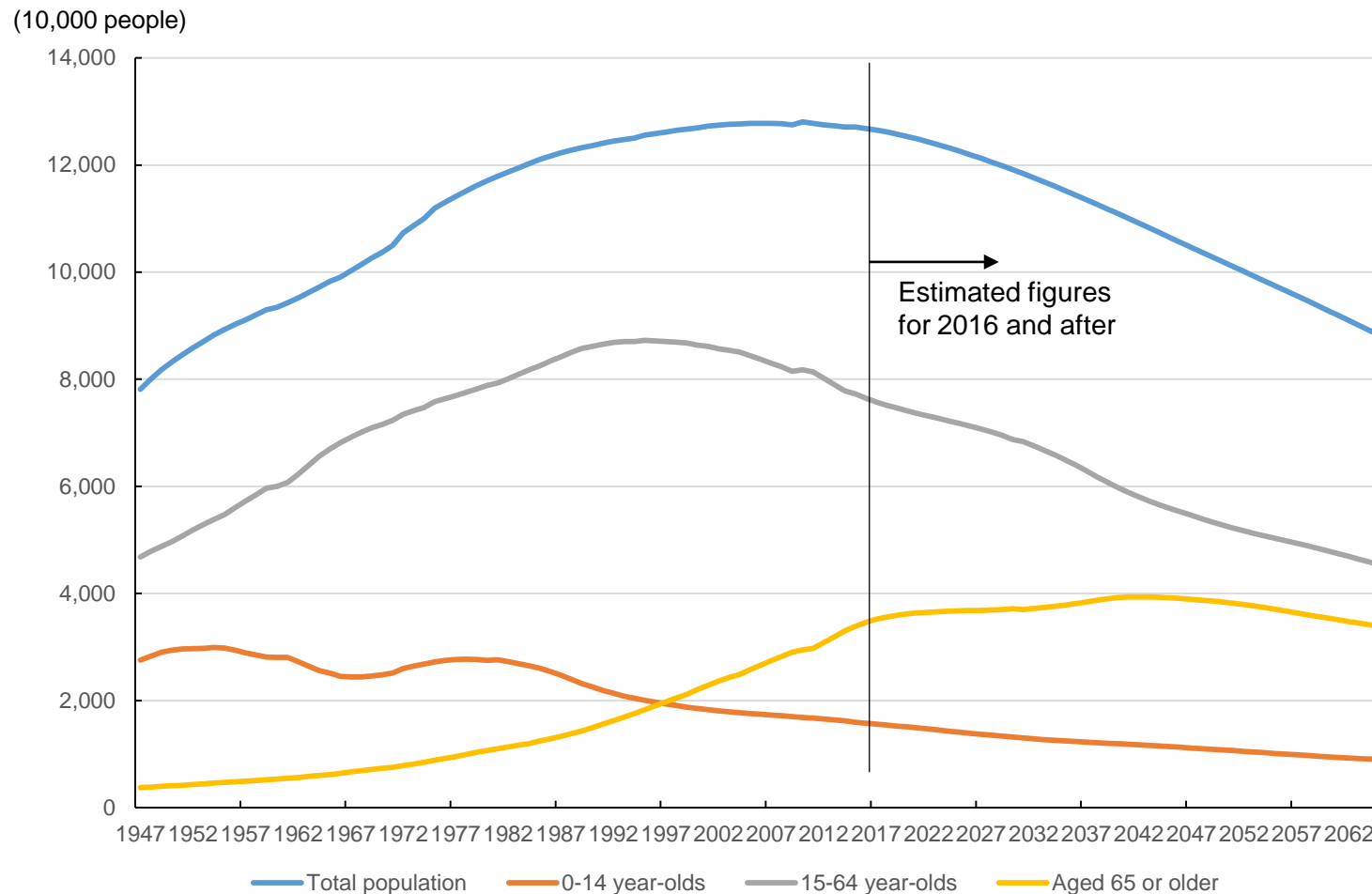
# **Japan's Activity for Promotion of Cloud Computing (Session2)**

Ministry of Internal Affairs and Communications, Japan

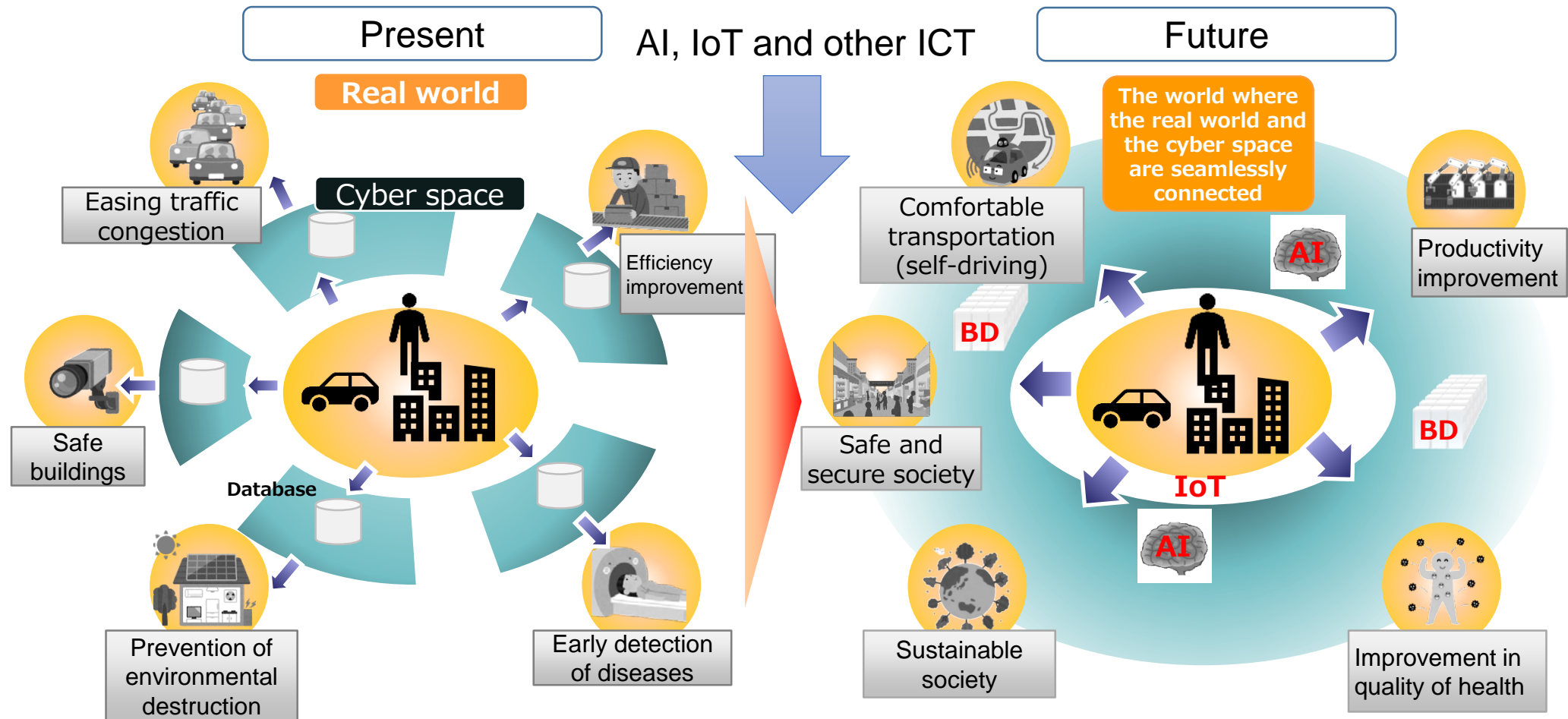
20 June 2019

## Falling Birthrate and Aging Population cause;

- Reduction of working-age population
- Deceleration in Domestic Demand
- Reduction of the Scale of the Domestic Economy etc.



- Shift from partial optimization to total optimization “through connected” by introducing and utilizing AI, IoT and Other ICT.



## Current society

Knowledge and information are not shared and cross-sector value is difficult to create.



IoT will connect all people and things, all sorts of knowledge and information will be shared, and totally **new value will be born**.

## Current society

A variety of constraints exists with respect to social problems such as the aging society and regional depopulation making a sufficient response difficult.



**Social issues will be overcome and humans will be liberated** from various types of constraints.

# Society 5.0

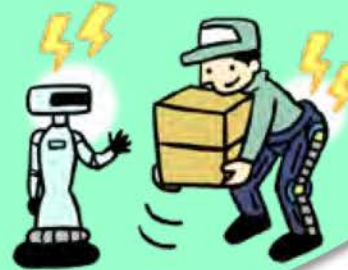
AI will **free humans from the burdensome work** of analyzing huge amounts of information.



## Current society

With an overflow of information, the work of finding and analyzing information desired is difficult and burdensome.

The possibilities open to humans will **expand** through the use of robots, automatic-driving cars, etc.



## Current society

People do a large amount of work, their abilities had limitations, and the behavior of the physically challenged is constrained.

## Facilitation of “Cloud Computing” in Japanese Law

### The Basic Act on the Advancement of Public and Private Sector Data Utilization (in December 2016)

#### <Purpose>

contributing to the realization of a society in which the citizens are able to live safely and free of anxiety and to a comfortable living environment by comprehensively and effectively promote measures for the advancement of public and private sector data utilization (Article 1)

#### <Basic Principles>

• In advancing public and private sector data utilization, utilization of advanced technology such as AI, IoT, and **cloud computing** (Article 3, paragraph (8))

#### Advantages of Cloud Service

- (i) Expeditious system construction
- (ii) Easy extension
- (iii) Reducing of initial and operational costs
- (iv) Improvement of availability
- (v) More convenience
- (vi) Secure

#### The items to be considered for installing Cloud Service

- (i) Guarantee of security
- (ii) Update/communication costs
- (iii) Inflexible for customization

## **1. Improvement of the Environment for Data Distribution**

(1) Improvement of the Trade Environment Involving Digital Platform Businesses

(2) Security Assessment of Cloud Services

## **2. Creation of a New Business Model by Data Utilization**

(3) Popularization of Cashless Society

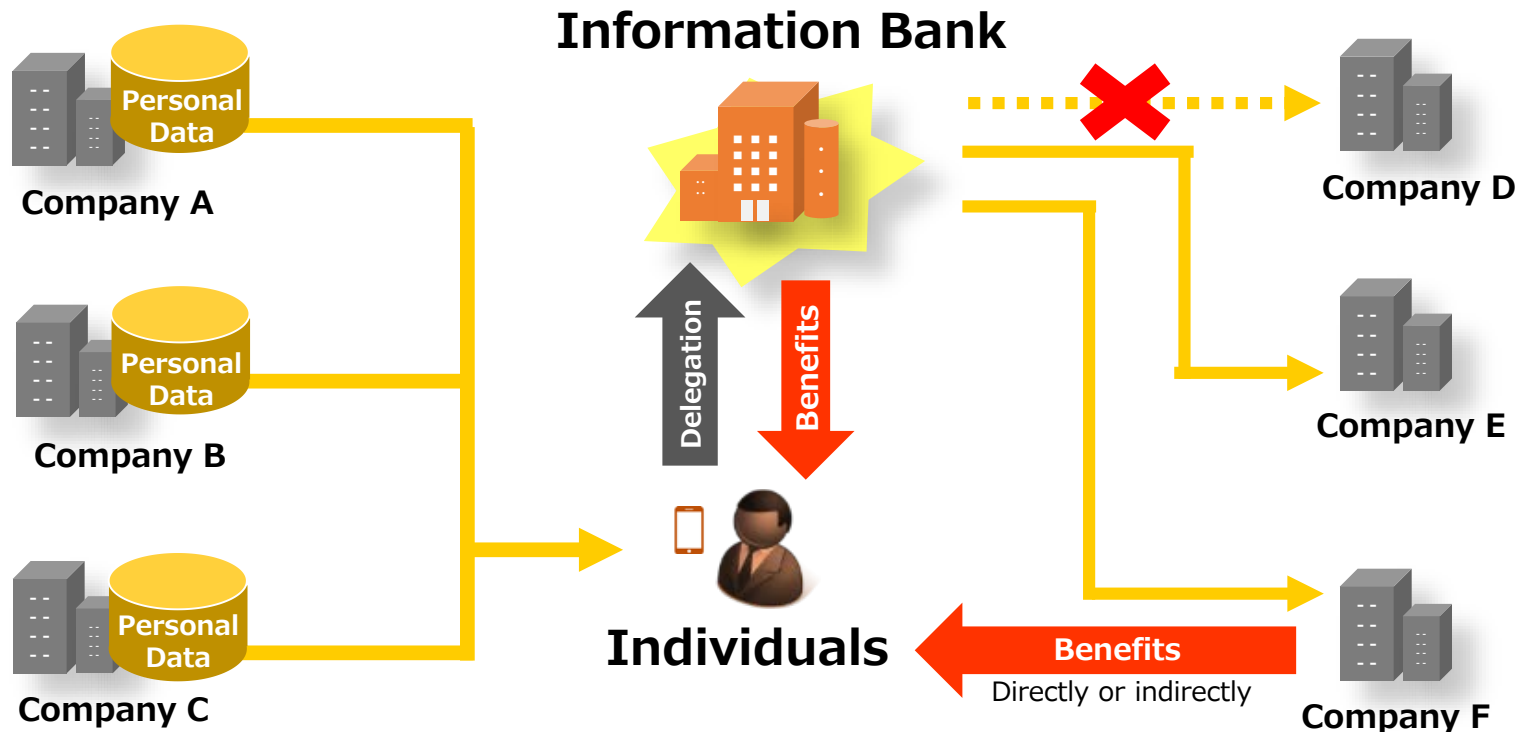
(4) Social Implementation of Information Banks

## **3. Achieving safety and security of Society by Data Distribution and Utilization**

(5) Realization of Digital-Utilized Symbiosis Society

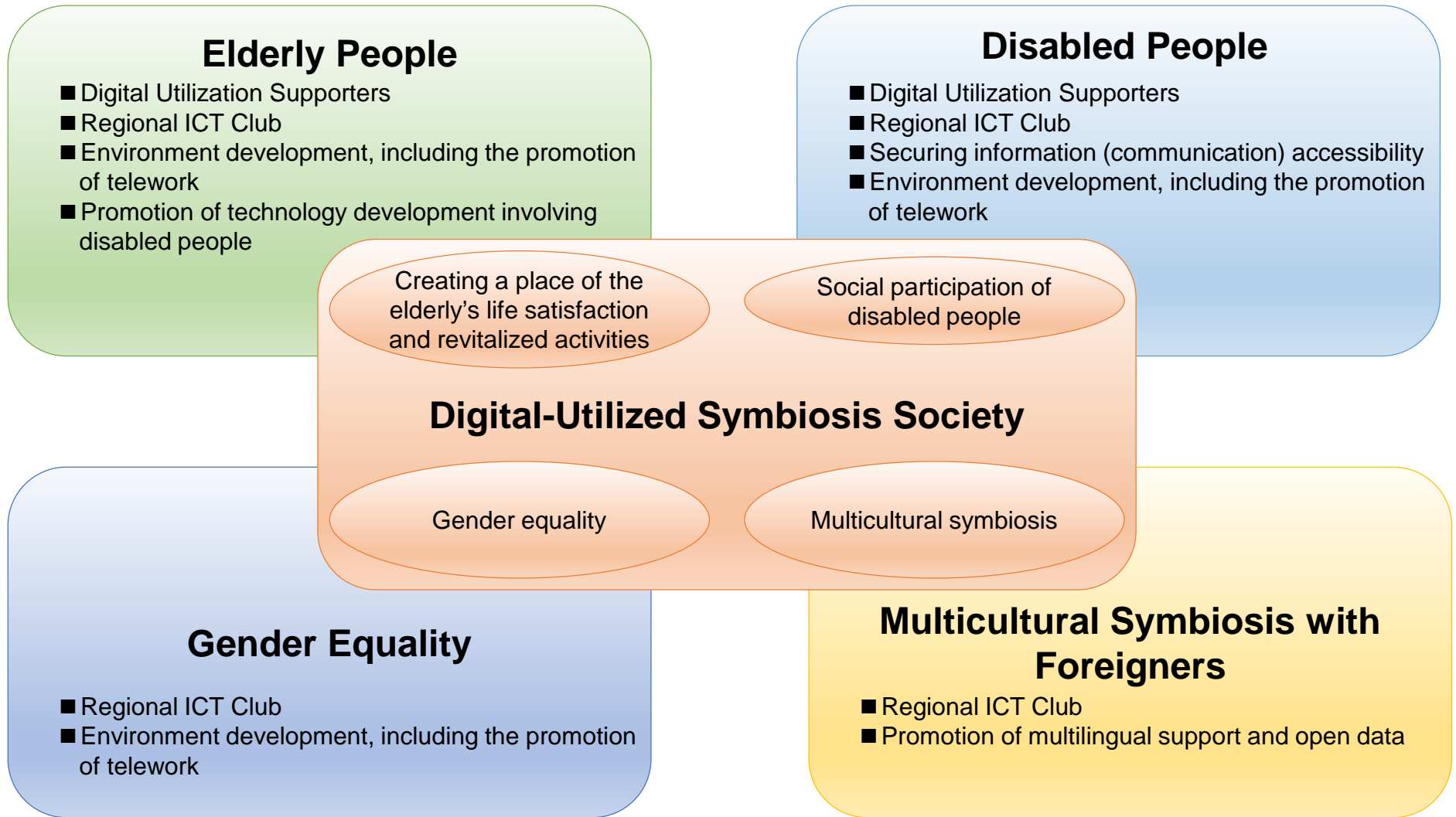
(6) Dissemination and Development of L-Alert (Disaster Information Sharing System)

- An “Information Bank” manages personal data under contracts with individuals, and provides this data to third parties after judging the adequateness of the provision on behalf of the data providers (i.e. the individuals), based on conditions designated by them in advance.
- The “Information Bank” system is expected to be effective for promoting the utilization of personal data under an individual’s involvement.



Flow of data is based on an individual’s consent.

- A “Digital-Utilized symbiosis Society” is a society where everyone can enjoy a rich life while having diverse values and lifestyles by using ICT regardless of age, sex, presence or absence of disability, nationality etc.



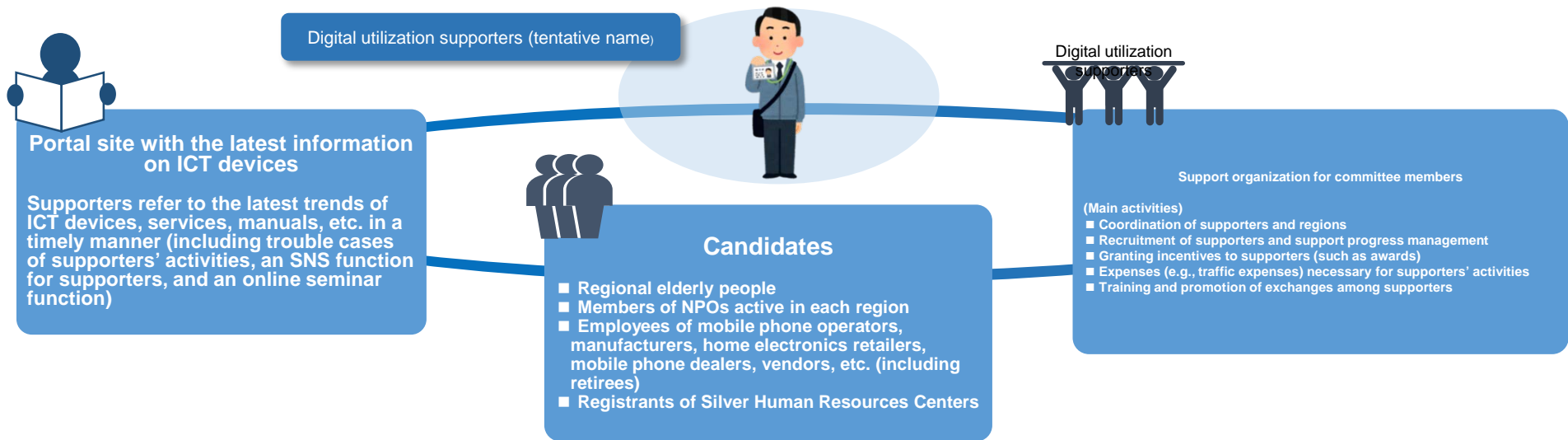
- With the advent of the full-fledge IoT and AI age, it is necessary for elderly people and disabled people to utilize ICT devices and lead richer lives without being left behind.
- For this purpose, we will study the mechanism of digital utilization supporters in order to maintain an environment where elderly people and disabled people can learn ICT from people close to their homes.

[Image]

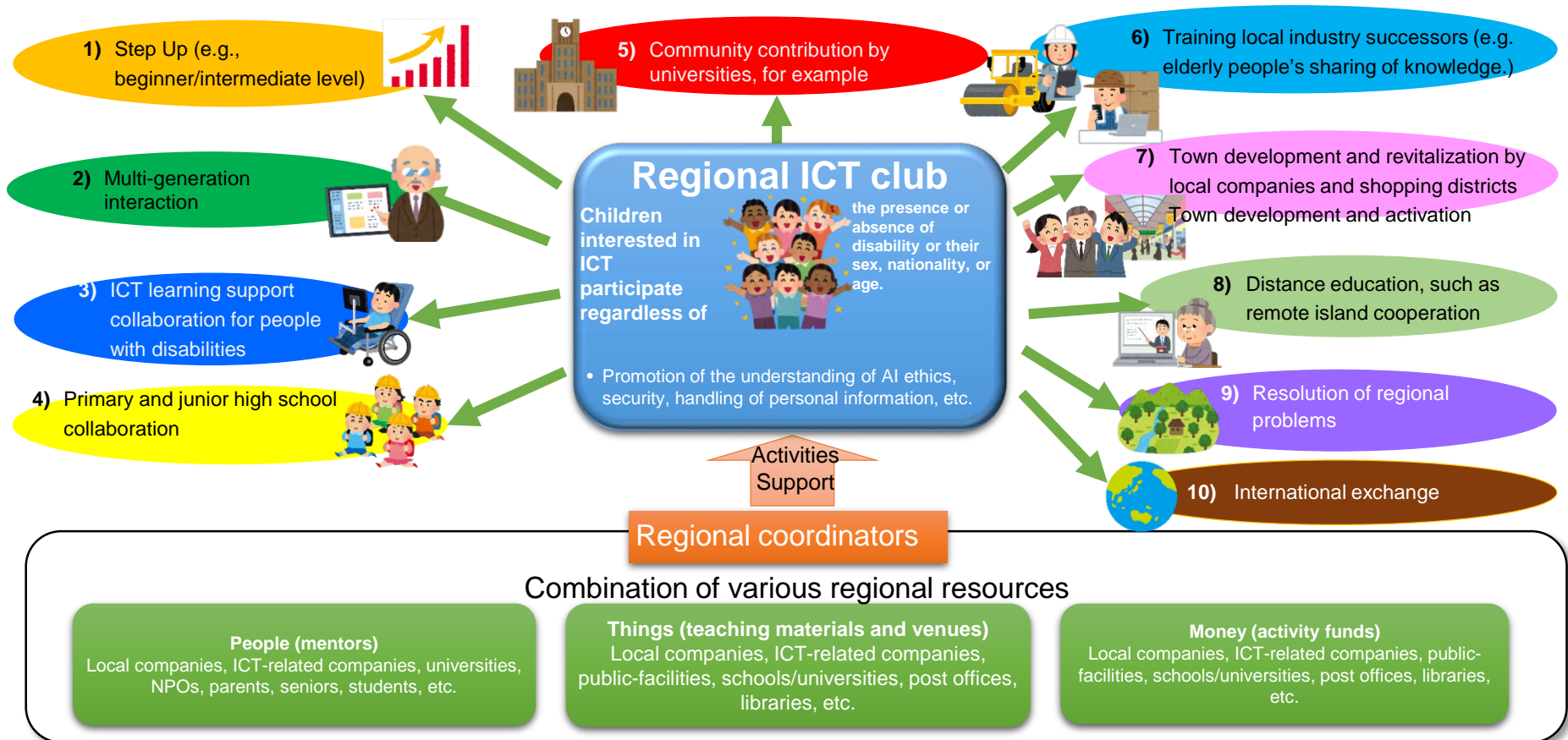


**Prevent elderly people from being left behind in the development of ICT!**

In addition to direct consultation by home visit or telephone, they also give remote consultations on TV, which is a familiar way for the elderly.



- “A regional ICT club” is a system for sharing knowledge and experience across generations concerning ICT such as programming while schoolchildren, students, society, people with disabilities, the elderly, and others in the area enjoy learning about product making, design, robot operation, games, music, etc.

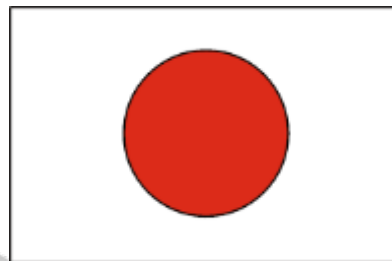


- G20 Trade and Digital Economy Ministers meeting was held on 8/9 June in Tsukuba, Ibaraki, Japan.
- To discuss how we can work together toward the realization of a sustainable and innovative global society
  - Data Free Flow with Trust, - Human-centered Artificial Intelligence (AI),
  - Governance Innovation, - Security in the Digital Economy,
  - SDGs and Inclusion



## SUSTAINABLE DEVELOPMENT GOALS 17 GOALS TO TRANSFORM OUR WORLD





# Thank You!

Ministry of Internal Affairs and Communications,  
Government of JAPAN