UK Japan IoT Connection Seminar 2018

# Major Issues of ICT Policy in Japan

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#### Society 5.0 as a Target of the Future

- "Society 5.0" was proposed in the 5<sup>th</sup> Science & Technology Plan (2016-20).
- It is a human-centered society that balances economic advancement with the resolution of social problems by a system that highly integrates cyber space and physical space.



#### Data-driven Society as an Engine of Growth





#### Where is the Value Potential of the IoT? (By McKinsey)



<Source> McKinsey Global Institute "THE INTERNET OF THINGS: MAPPING THE VALUE BEYOND THE HYPE" (June 2015)

Technology Trends in CES 2018

## **CES 2018 Technology Trends In Three Parts**

Ingredient Technologies 5G A.I. Robotics In The Market

Native Interfaces and Digital Senses Realism Redefined Emerging Tech

Smart Cities Sports Innovation Digital Therapeutics



<Source> Consumer Technology Association (CTA)

#### Technology Tipping Points We Will Reach by 2025 (

WEF announced a report in 2015, regarding "Technology Tipping Points by 2025." It surveyed more than 800 executives and experts from the technology sector to share their respective timelines for when technologies would become mainstream.

✓ 10% of people wearing clothes connected to the internet [91%]



#### Structural Changes of Japan's Society





Accepting the structural change properly, Japan needs to seek for a sustainable growth model.

Examining a new vision of ICT policies toward 2030-2040 under the MIC's Council

#### Markets Targeted under the Aging Society

- IoT platform such as interactive AI and smartphone will play as the core, and the peripheral technologies such as CPU/GPU, 5G, DSRC, VR/AR, sensors, will become important.
- Promising markets will be Automated Driving, Smart City/Smart Home, Wellness/Fitness, which have big business scales and contribute to solving social problems in cooperation with the public sector.



### Collaboration between Europe and Japan

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- For expanding research results, facilitating international standardization, innovation, and int'l competitiveness, EU and Japan have funded joint ICT R&D projects since 2013.
- ➢ Further measures will be expected to deepen Europe-Japan collaboration in the field of ICT.



#### EU-Japan Joint ICT R&D Program

#### R&D topics themed in past calls

- 5G (network management and radio)
- Robotics
- Big Data
- Cloud
- Cybersecurity
- Internet of Things
- Optical communications
- Wireless communications
- Testbeds
- Content centric network
- Photonic infrastructure