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E-Ageing

- ICT APPLICATIONS FOR AGEING SOCIETY
 - IOT(INTERNET OF THINGS)
 - INNOVATION FOR HEALTHY AND HAPPY AGEING

Human Revolution



- **Living longer to 100 years old**
 - Japan
 - 61,568 (only 7,840 men) **2015**
 - 700,000** **2050**
- (Number of 100+α years old persons)
- @Need Healthy/Happy quality of life**
- 377,000 **2025** Shortage of Healthcare providers (**Nurses**)
 - **China will need 10M in 2050.**

Demographic Revolution

Silver TSUNAMI

- **Population in Planet: 9 Billion 2060**
- **Ageing Population: 2.4 Billion (27%) 2060**
- **Rapid speed of Ageing in LDC than DC**

Ageing ratio/total population

- **World 8.3%**
- **Japan 26.3% (2015)**
40% (2050)



Silver Employment



- **1 Billion jobs needed for active seniors from 60-75 years old in 2050**
- **80% of retired persons will seek jobs after retirement and 20% only can find jobs**
- **New work styles using ICT are needed (Telework)**
- **New Silver business**
- **Innovation in ICT will create business opportunities**



Urban Silver -New issue

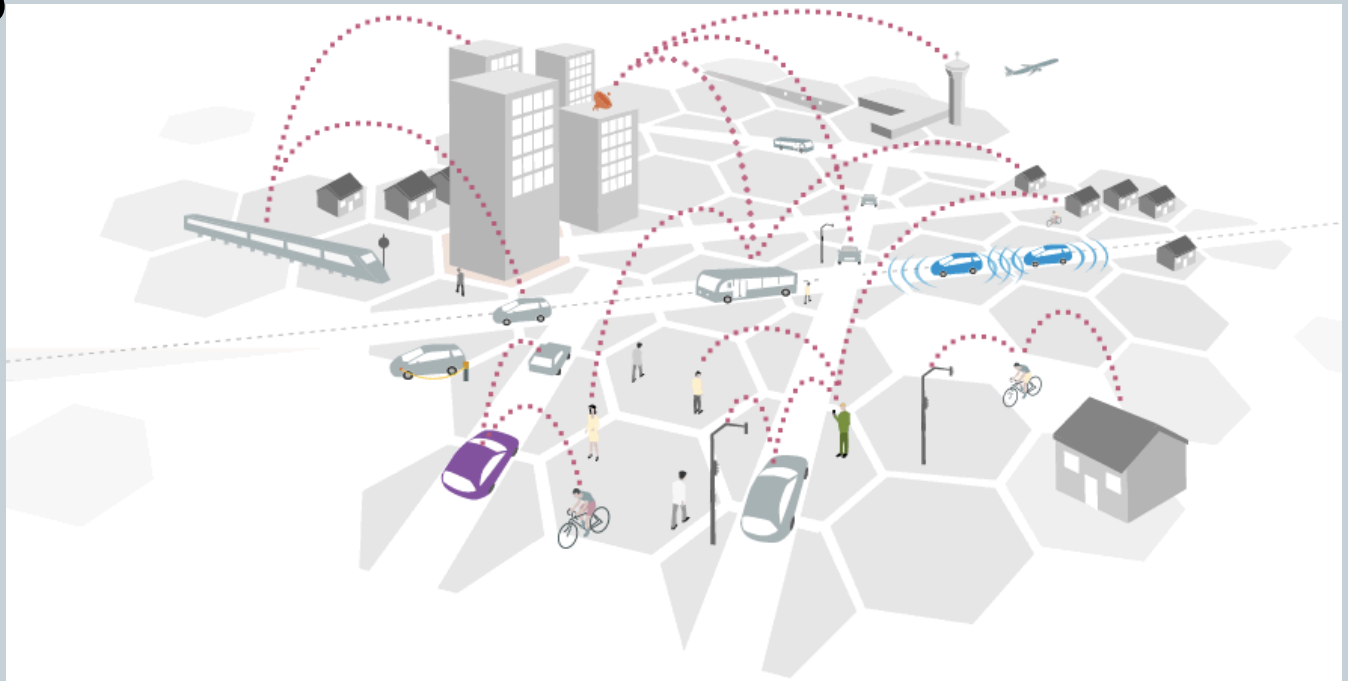


- **30% → 70%** **Rural → Urban people**
- **New Silver community –Smart Silver Resilient City**



E-Mobility Revolution

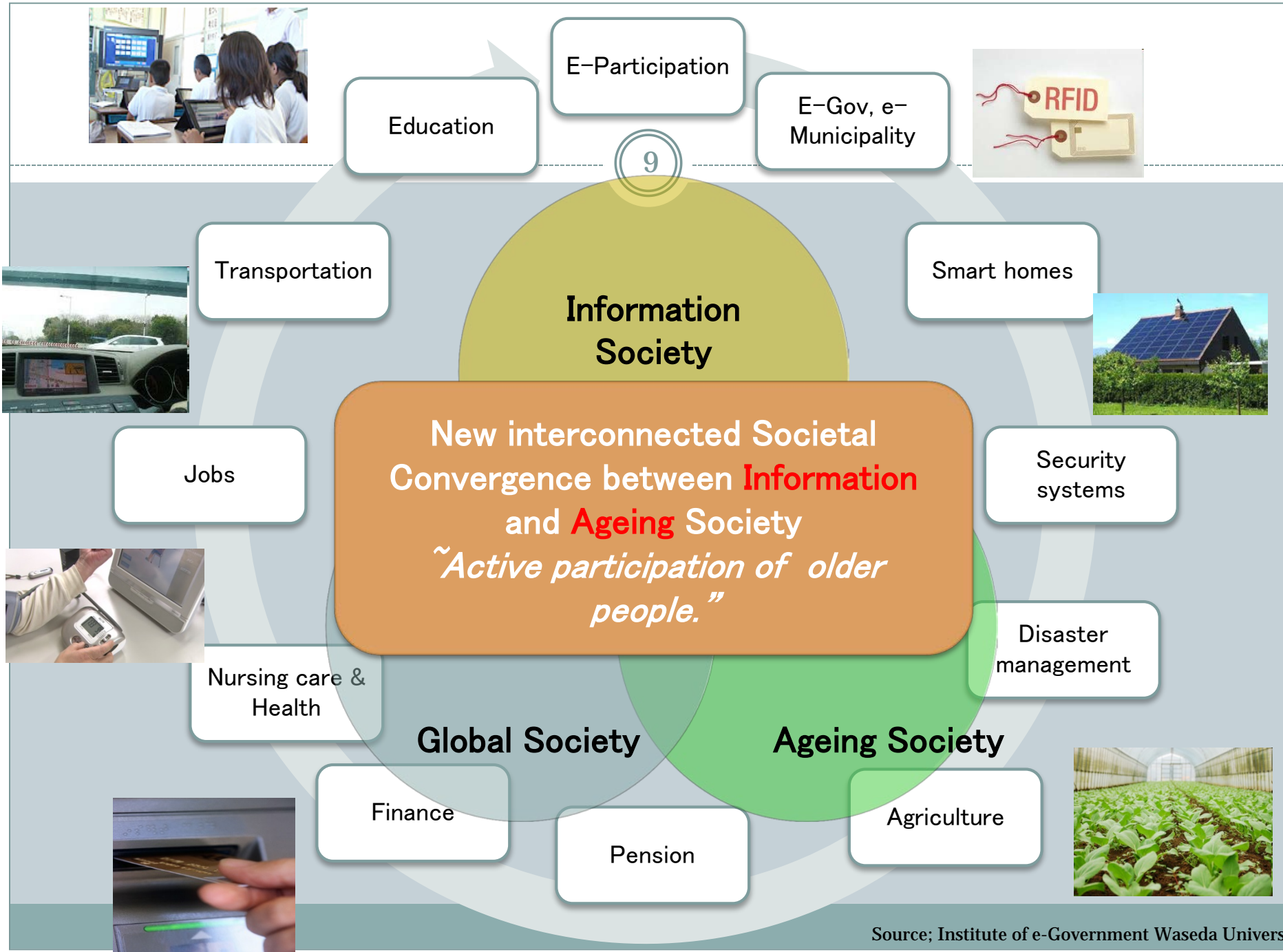
- **Automated / connected cars with ITS (No driving skills are needed)**
- **Seniors can visit anywhere / anytime they want to go**
- **Mass⇒
Personal@
New social
life**



Healthy and Happy Ageing

Government Bankruptcy due to medical/pension expenses





International Cooperation

Remarks at OECD–APEC– Waseda Tokyo Conference

To develop **Smarter age-friendly communities**, the experts recognize:

- Lack of Standards, Open Platforms and need for Interoperability
- Critical re-evaluation of traditional concepts of healthcare services for new innovation
- Need of smart connectivity and excellent security and safety systems



APECTEL Workshop on e-Ageing in Singapore in June 2014 chaired by Prof. Obi

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The 1st Japan–EU Policy Forum on Silver ICT at EC, Brussels in Dec. 3, 2013

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Participants

Japan: 20 experts by gov., business, & academia

EU: 25 experts

Topics: EU Horizon 2020 and collaboration between Japan
EU on Silver ICT/health ageing

Japan-China Ageing Conference

3 events by Waseda-China government

@2012-2014-2015

China-most serious nation on Ageing
Issues in 50 years



Paradigm shift for 2030



- **Need a 3rd World Assembly**
 - **World Summit on Ageing Societies**
- **UN Sustainable Development Goals (SDG) for Resilient societies for All ages**
- **Need a grand design for a comprehensive solution on ageing, healthcare, and jobs**
- **Need to create a Smart Silver Society**