

Concept note on Smart Silver Innovation

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Key word

older people, silver innovation, SDGs and social inclusion

Abstract

This concept note on Smart Silver Innovation is multistakeholder subject. The various significant usages of DX are re-considered in the spread of the COVID -19 Pandemic. Waseda University Institute of Digital Government has organized the Forums in cooperation with both Japanese Government and UNCSD (United Nations Committee for Social Development) for years 2016,2018,2020 ,2021 and 2022. The event has started in 2016, but continued under COVID-19 ‘s critical circumstances, The experts have discussed the cross-functional paradigm usage of digital technologies toward the achievement of UN’SDGs in pursuit of the well-being/quality of life for all people, including the older persons who need support for the full and productive employment and decent work in their economical dimension. The author describes present situation, problems and issues as well as future prospect on the subject of Smart Silver Innovation.

1. Definition of Smart Silver Innovation

This project is to find appropriate digital solutions to solve the issues on ageing society by ICT and to focus on the Smart Silver Innovation with ICT applications, emerging technologies and capacity building. Through previous project on “ICT applications for people with special needs”, we had obtained fruitful results and several recommendations. We will continue to implement the theme from theory to practice with open innovation under digital transformation scheme.

This project will focus on the following issues:

1. How these digital usage policies will

contribute to achieve SDGs2030.

2. Especially, to what extent it will contribute Well-being and QoL for the ageing.
3. What kind of the capacity building on nursing care for the ageing people will be needed.
4. When the establishment of the model of Smart Silver City for ageing societies is materialized.

Based on the above issues, project goal is to establish a society which implements with “Smart Silver Innovation”. Most important thing is that we share knowledge and experiences on emerging technologies which can be utilized to the ageing issues

2. DX innovation

Accomplishing Digital Transformation in growing ageing society. For the solution of UN'SDGs agendas such as healthy ageing and Social Inclusion, the world is paying attention to how technologies can contribute to the realization of a new normal society in post-coronavirus by the emergence of distractive digital technologies such as IoT, Big data, AI and so on.

Several recommendations for the solution to the international community issues by the lessons learned from world famous technology experts on the future prospects of the global digital silver (ageing) society. As one of major global issues, the effective usage of digital technologies is the key for promoting social inclusion of all people to establish sustainable society with the concept of "no one left behind". We are convinced that this activity by Waseda University jointly with UN CSD is timely and valuable.

3. Highlight of questions

The questions will be highlighted into 4 parts as follows:

- @ What can Digital Technology be beneficial for ageing society?
- @ Why should Innovation put high priority for SDGs?
- @ How will AI accelerate social inclusion?
- @ Which stakeholders with technology will effectively support to overcome these critical issues ?

Historically, in 2016, the First United Nations CSD side event on Smart Aging co-sponsored by Waseda University, UNCSD and the Japanese Ministry of Internal Affairs and Communications was held at the UN Headquarters in New York, and then in 2018, the Second UN CSD side event was organized co-sponsored by the above same Institutions on issues of an Ageing Society-Promotion of Employment of the ageing through Digital ICT Utilization,

In 2020, the 3rd UNCSD side event by the above same group was organized on "From Smart Home to Smart City" co-sponsored by Waseda University and UNCSD together with the Japanese government, IAC (International Academy of CIO) and NGO Committee on Ageing was held, and it received a very high reputation worldwide.

In 2021 the role of digital is reconsidered in the spread of the coronavirus infection. Under these circumstances, we discussed the role of digital technology toward the achievement of SDGs in pursuit of the well-being of all people including the ageing, who have a large information gap. For the 17 items of SDGs targets such as ageing and infectious disease problems, the world is paying attention to how it can contribute to the realization of a new society with the new normal by the emergence of advanced technologies such as IoT, big data and AI.

In this regard, this project is also an APEC seminar aimed at discussing the realization of a solution to the international community's problems of ICT and DX by experts from around

the world. In addition, seminar participants discussed the ever-evolving field of information and communications and the optimal digital society while obtaining lessons from history, and prepare proposals on the future prospects of the digital field in the future at the United Nations.

4. Elderly people left behind

The rapid spread of DX has caused the problem of people who cannot order or shop using information terminals, such as the elderly, being left behind. It is predicted that one third of Japanese population will become elderly people in 2040. In Japan, financial situation will become severe. The need for solving social issues such as medical treatment and infrastructure, education and environment, might be top priority. Japan aims at both economic growth and social business solution via "Society 5.0". It is expected that Digital Twin and AI can solve many social subjects. In Japan, the inside of a constraint of a future manpower and a local government have to continue providing administrative services indispensable to a resident life. It is necessary to create the environment where the administrative staff can concentrate on their own function with AI.

A local government is continuing providing resident services, such as medical treatment, welfare, and an infrastructure. And it is maintaining residents' life and regional economy and making it activated. Ageing population will make a big effect on tax revenues. The expectation for AI is growing as a steppingstone to contribute to improvement in the labor productivity of government. The convergence of

both ageing and digital societies will be a key solution.

5. Conclusion and Recommendations

The issue on ageing will be the most serious subject within 20 years in the world. In order to solve this global subjects, the following 5 items are my recommendations:

- 1) To increase opportunities of the ageing people for accessibility to reduce digital divide from aspect of usability
- 2) to prepare for capacity building on the resources in cooperation with business-government -academia linkage.
- 3) To increase new agendas on digital infrastructure for public sector (DPI) in order to increase citizen's Quality of Life, Well-being and Digital inclusion.
- 4) To build a community where caregivers can share information, aggregate big data, and utilize AI analysis for the future silver industry
- 5) To cooperate and share with all stakeholders related to this subject.

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