Digitalization in Korea

- From Transition to Transformation -

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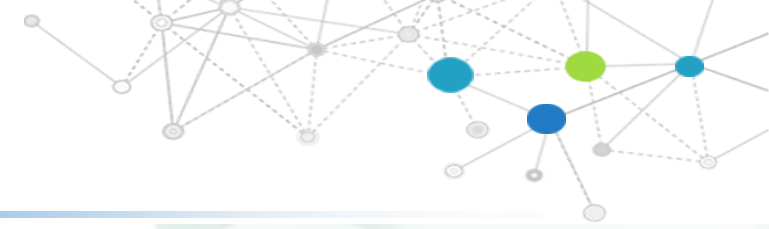
01. Introduction

- A Brief Overview -

1-1. Korea is...

- **High population density : 511/km² (22nd, as of 2019)**

- **One language, one nationality : cultural homogeneity**

- **Export-driven economic policy : car, semiconductor, PC, TV, smart phone, cosmetics, K-POP ...**

- **World best Internet : 28.6 Mbps(7.2Mbps), 98%(4+Mbps)**

- **High Smart Phone Usage : over 89.5% (as of 2017)**

- **High Pay TV subscription : over 92% (cable, satellite, IPTV)**

- **High Level of Political Awareness: Candlelight Revolution**

1-1. Korea, a Highly Digitalized Country
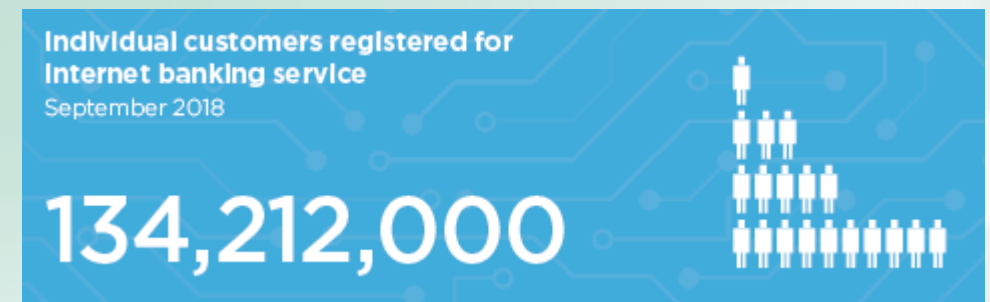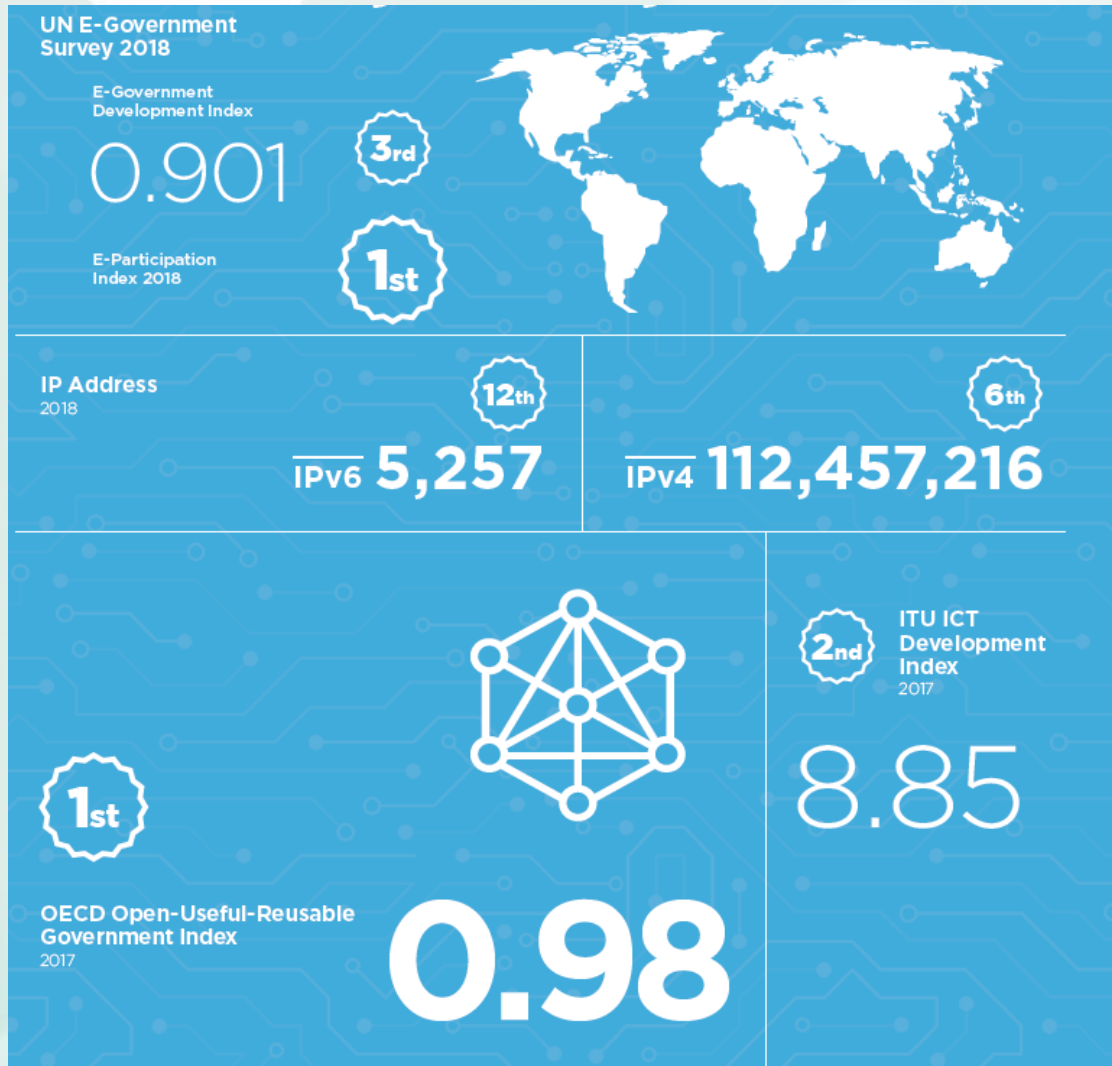
Drama

K-Pop

02. Korean Efforts toward Information Society

2-1. Master Plans toward Informatized Korea)

Preparation for foundation

Advancement by field

Link integration

Convergence and Spread

Intelligence

1994 ~ 2002

Establishment of legal system, high–speed network

- 1st Master Plan for Informatization Promotion (1996~2000)
- 2nd Master Plan for Informatization Promotion (1999~2002)

2003 ~ 2007

Promotion of informatization, e–government implementation

- 3rd Master Plan for Informatization Promotion (2003~2007)

2008 ~ 2012

System link, BcN construction, information resource integration

- 4th Master Plan for National Informatization (2008~2012)

2013 ~ 2017

ICBM, convergence, start–up activation

- 5th Master Plan for National Informatization (2013~2017)

2018 ~

Hyper–connected intelligence

- 6th Master Plan for National Informatization (2018~2022)

2-2. the Newest Master Plan
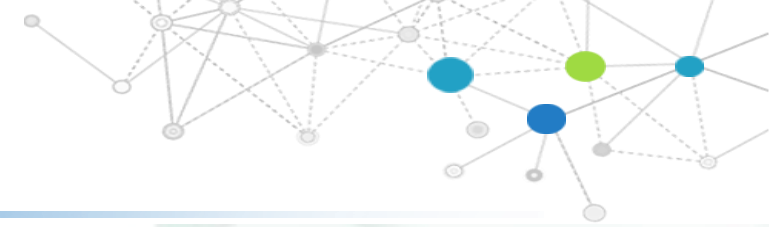
Korea to live well together with intelligence

| Smart Country	Economic Rebound	Trustworthy Society	Intelligent Infrastructure
National Digital Transition with Intelligence	Finding Growth Engine with Digital Innovation	Creating People-centered Intelligent Information Society	Establishing a Foundation for Trust-based Intelligence

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2-3. Action Plans (1 & 2)
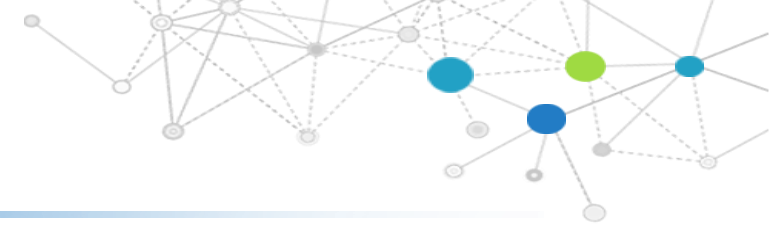
Smart Intelligent Country	▪ **Establishment of intelligent infrastructure of public sector** ▪ **Happy Service based on people's experience** ▪ **Sustainable National Social Safety System** ▪ **Foundation for local living everyone wants to live in**
Economic Rebound	▪ **Activation of the data economy** ▪ **Innovation based on intelligence** ▪ **Strengthening innovation capacity of SMVC** ▪ **Competitiveness of intelligent technology for innovation growth**

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2-4. Action Plans (3 & 4)
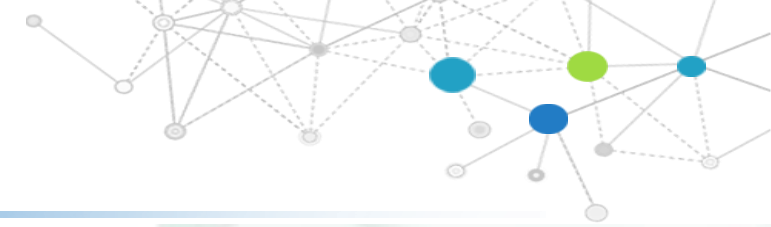
Trustworthy Society	▪ **Training Digital Citizens of Intelligent Information Society** ▪ **Realizing Digital Inclusion** ▪ **Promotion of Intelligent Information Society Culture**
Intelligent Infrastructure	▪ **Establishment of Infrastructure Network to Enhance utilization of Intelligent Information Technology** ▪ **Expansion of Cyber Safety Country Base**

03. Digital Inclusion in Korea

3-1. Realizing Digital Inclusion

- **Creating environment for information use without discrimination**

- **Improving intelligent information skills for vulnerable class**

- **Promoting participation of vulnerable groups in economic and social activities**

3-2. Comparing Korea with Singapore in Digital Inclusion

| Korea	▪ **Environment for information use without discrimination** ▪ **Intelligent information skills for vulnerable class** ▪ **Participation of vulnerable groups in economic and social activities**
Singapore	▪ **Digital Access** ▪ **Digital Literacy** ▪ **Digital Participation** ▪ **Inclusion by Design**

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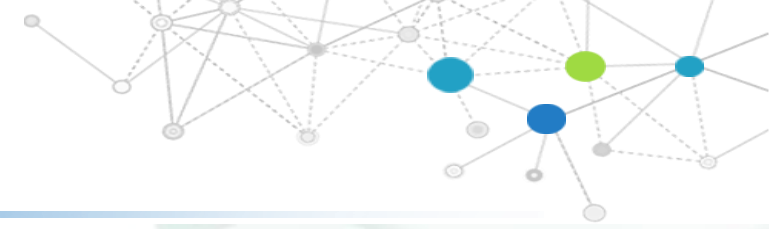
> ➤ **Digital Inclusion looks narrower in Korea than in Singapore!**

> ➤ **Why does Korean case look like this?**

> ➤ **Korea may be more interested in digitalization as a booster of industry rather than as a social system for the people!**
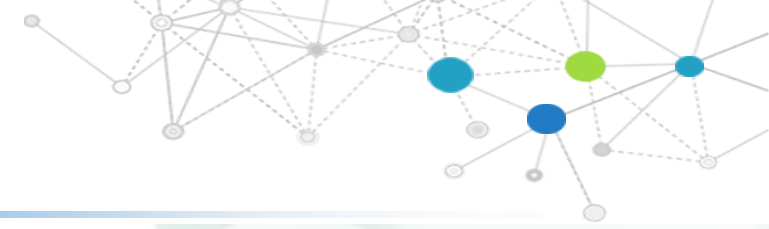
04. Conclusions

4-1. Mostly Successful!
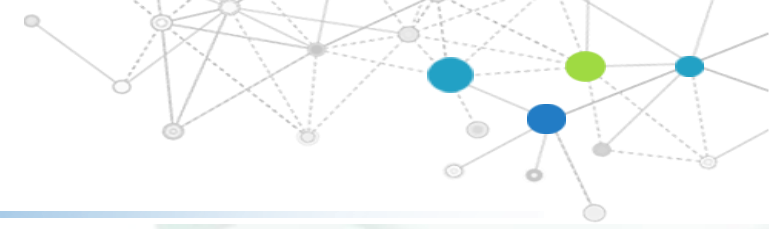
> **Digital First!**

> Being late in Industrialization, We should go ahead toward Informatization (since 1997~)

> **Comprehensive Planning!**

> Digital Transformation as well as digital inclusion (since 2017)

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4-2. New challenges!

➤ **Fake News: Digital Literacy vs. Legal Enforcement**

➤ **Digital Unemployment: Replacement vs. Re-Creation**

➤ **Borderless Digital Economy: Whose Jurisdiction?**

➤ **Governance Problem: MIC – KCC/MPAS/MKE – MSICT/MPAS/KCC -?**

➤ Can we survive these challenges?

Thank you!
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