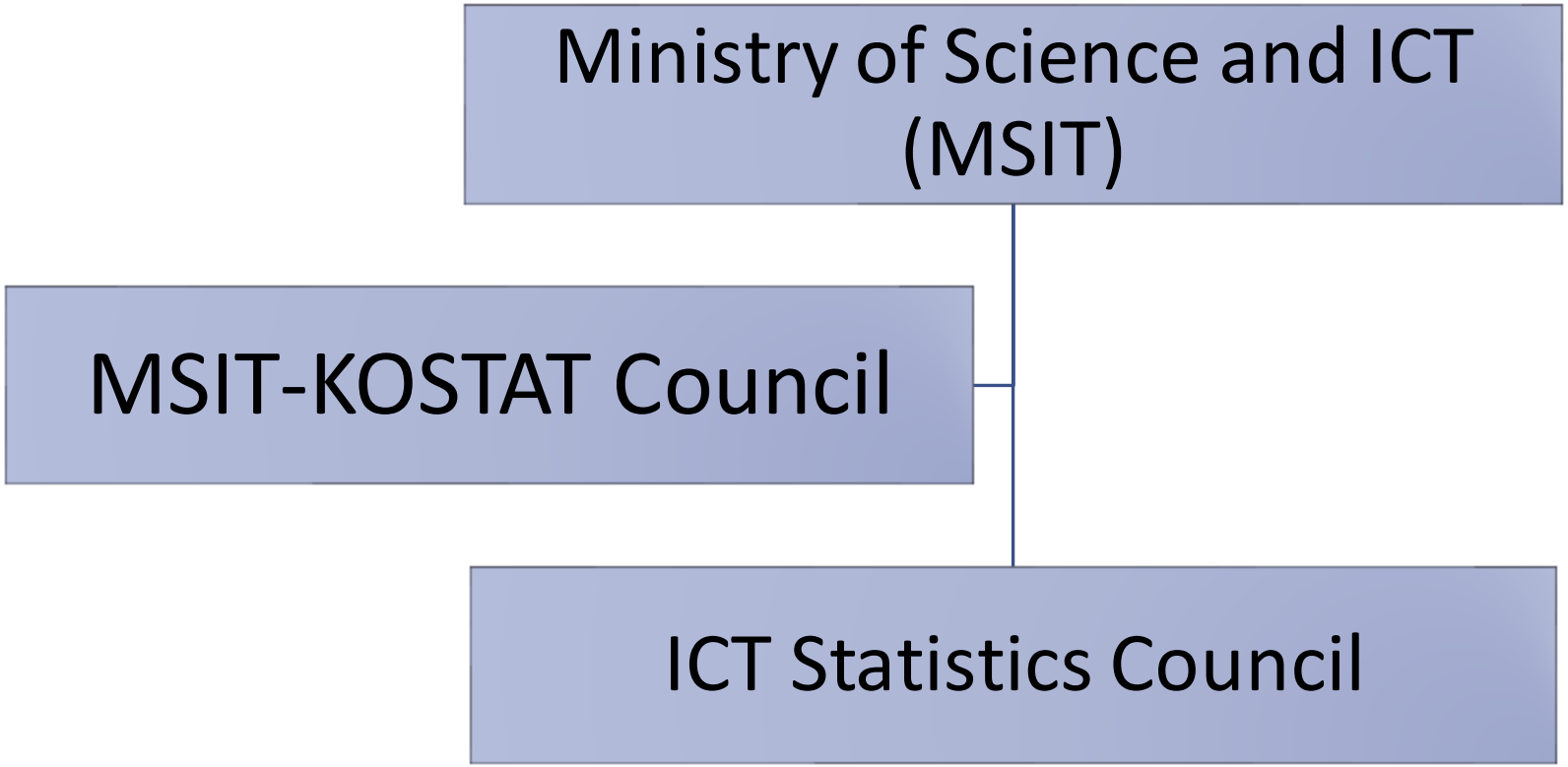
Use of ICT Statistics in Policy-making

MINISTRY OF SCIENCE AND ICT OF KOREA

5 NOVEMBER 2020

ICT Statistics System



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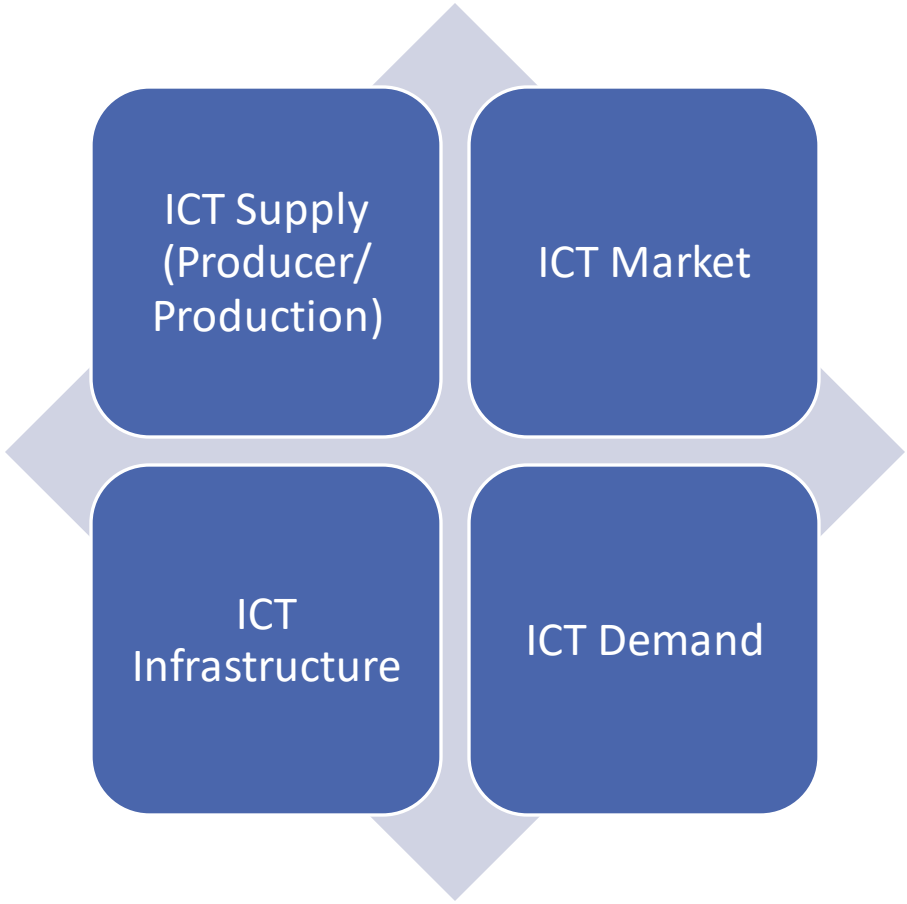


Policy Use Support

ICT Statistics Booklet

- Publish ICT statistics booklets to provide relevant and timely statistics (three times per year)
- Contents: ICT and national economy; latest information on ICT Industry, major ICT sectors, ICT infrastructure; comparison with other countries

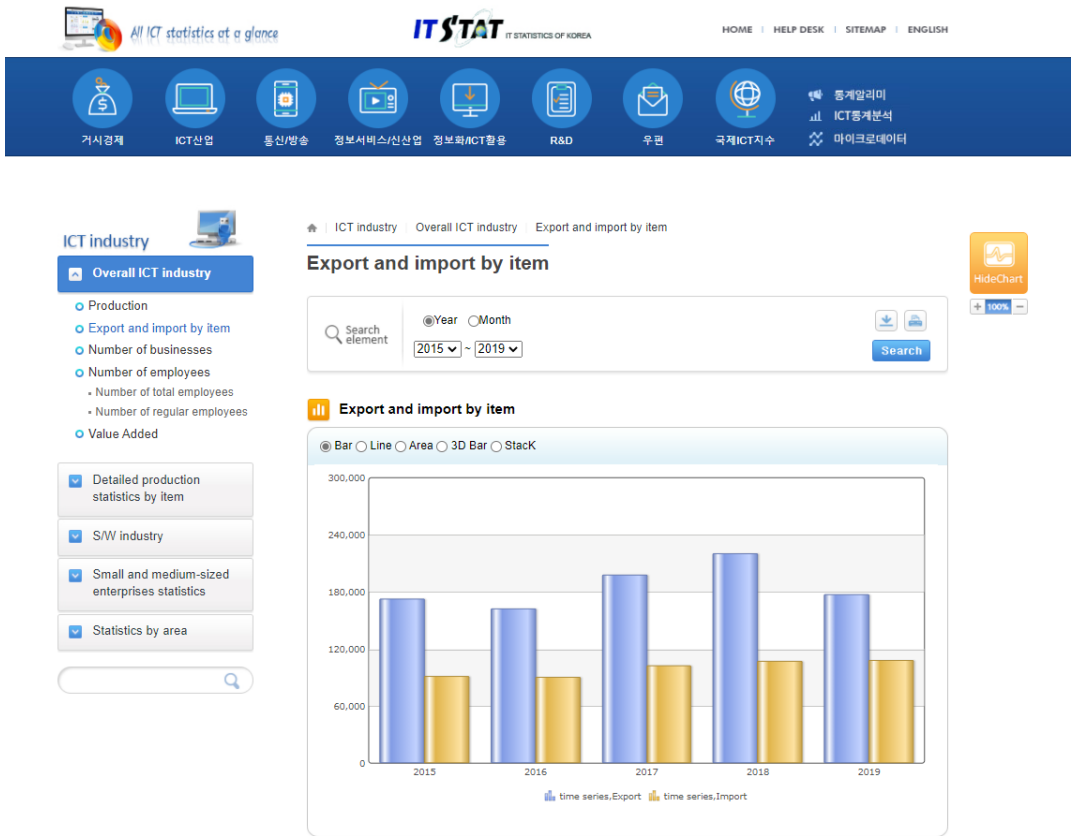
ICT Statistics Portal

- Operate a portal where one can see all ICT statistics at a glance
- Contents: macroeconomics, ICT industry, network/broadcasting, information service/new industry, informatization/ICT use, R&D, postal/financial services
- Provide micro data which allows ICT statistics to be used in diverse areas

ICT Statistics Analysis Report

- Provide statistics-based analysis report on the latest trends of ICT industry (monthly)
- Contents: Recent ICT statistics, latest ICT industry trends based on statistics

ITSTAT (ICT Statistics Portal)



Report on the Digital Divide

Purpose

- Measure and evaluate the progress of the policy on closing the digital divide among vulnerable populations, and obtain basic data needed to find an effective policy direction.

Legal Grounds

- Framework Act on National Informatization

Respondents

- General population (7,000, including 2,300 people aged over 55); People with disabilities, low-income population, residents of rural and coastal areas (2,200 each); North Korean defectors, marriage migrants (700 each)

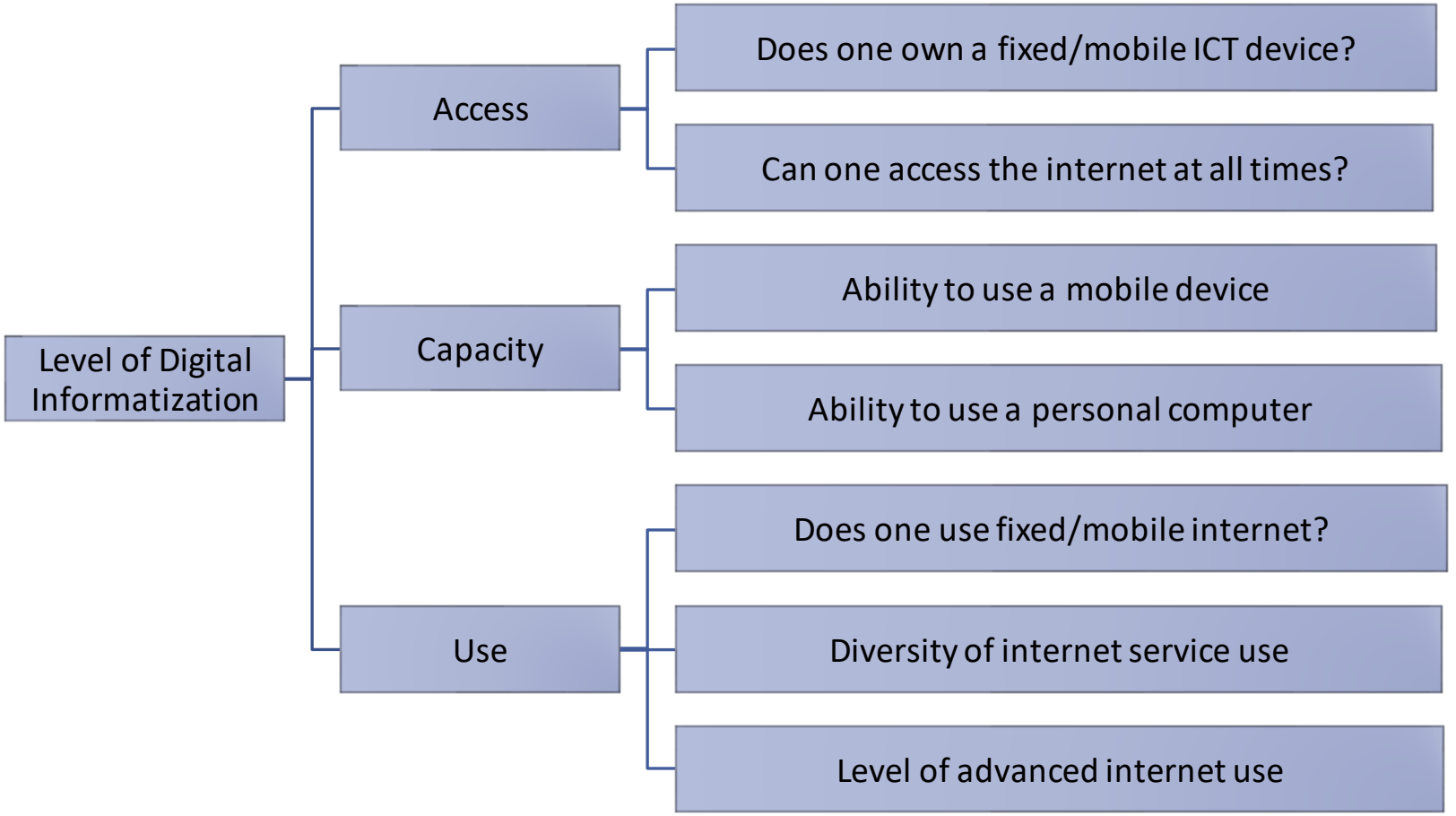
Survey Period

- September – November 2019

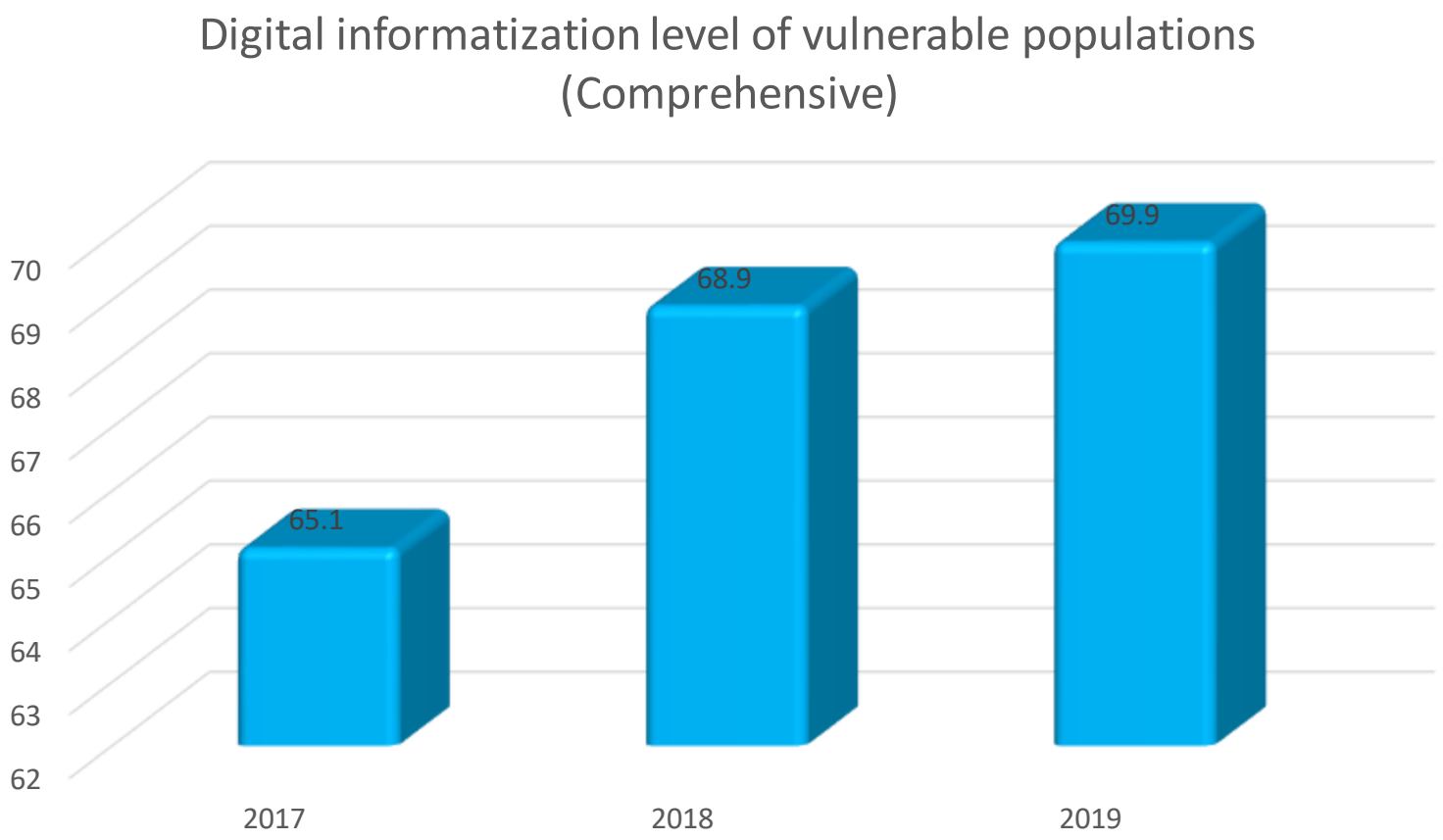
Survey Method

- Interviewers visit households and have one-on-one interviews

Report on the Digital Divide



Report on the Digital Divide



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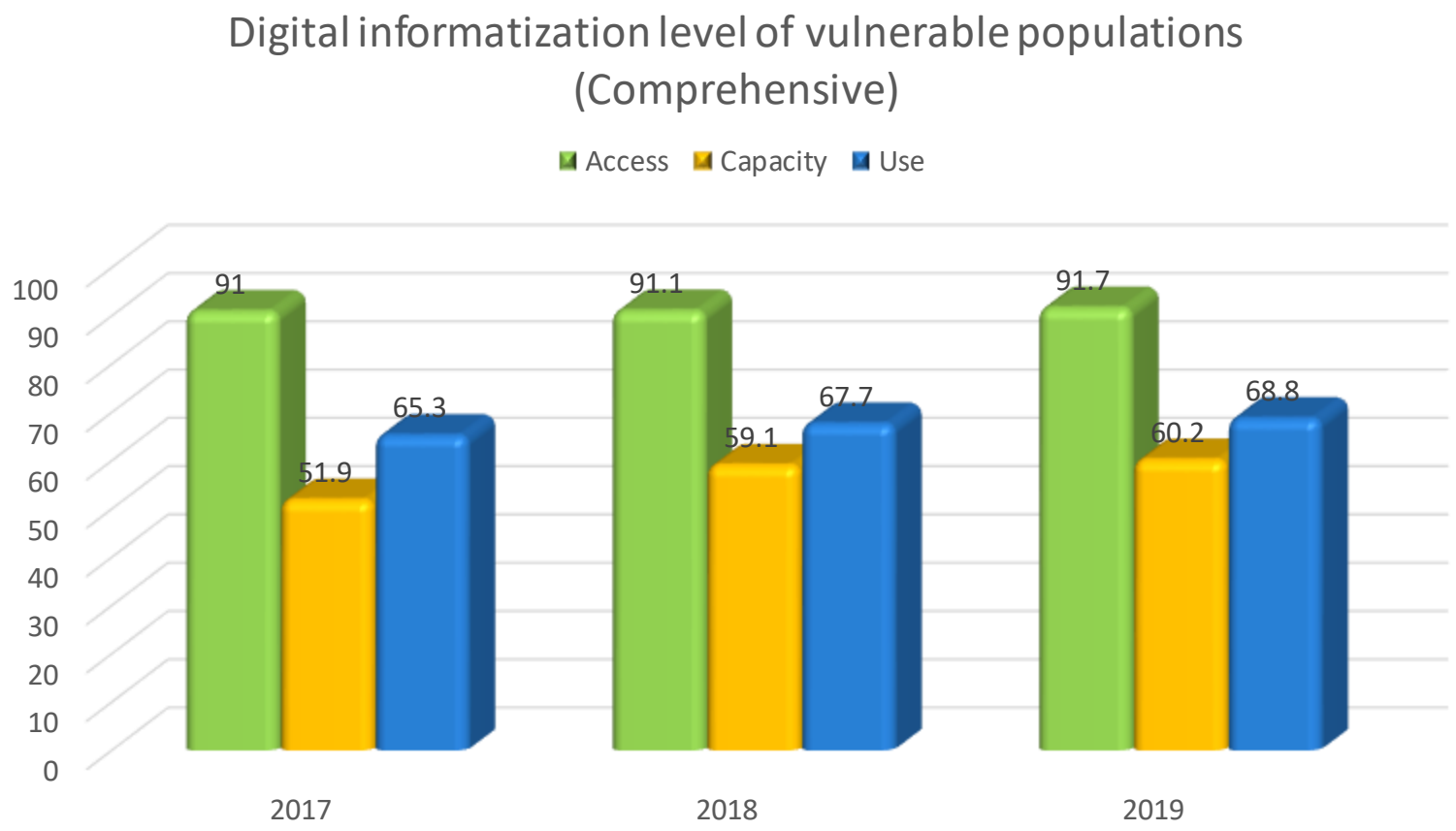
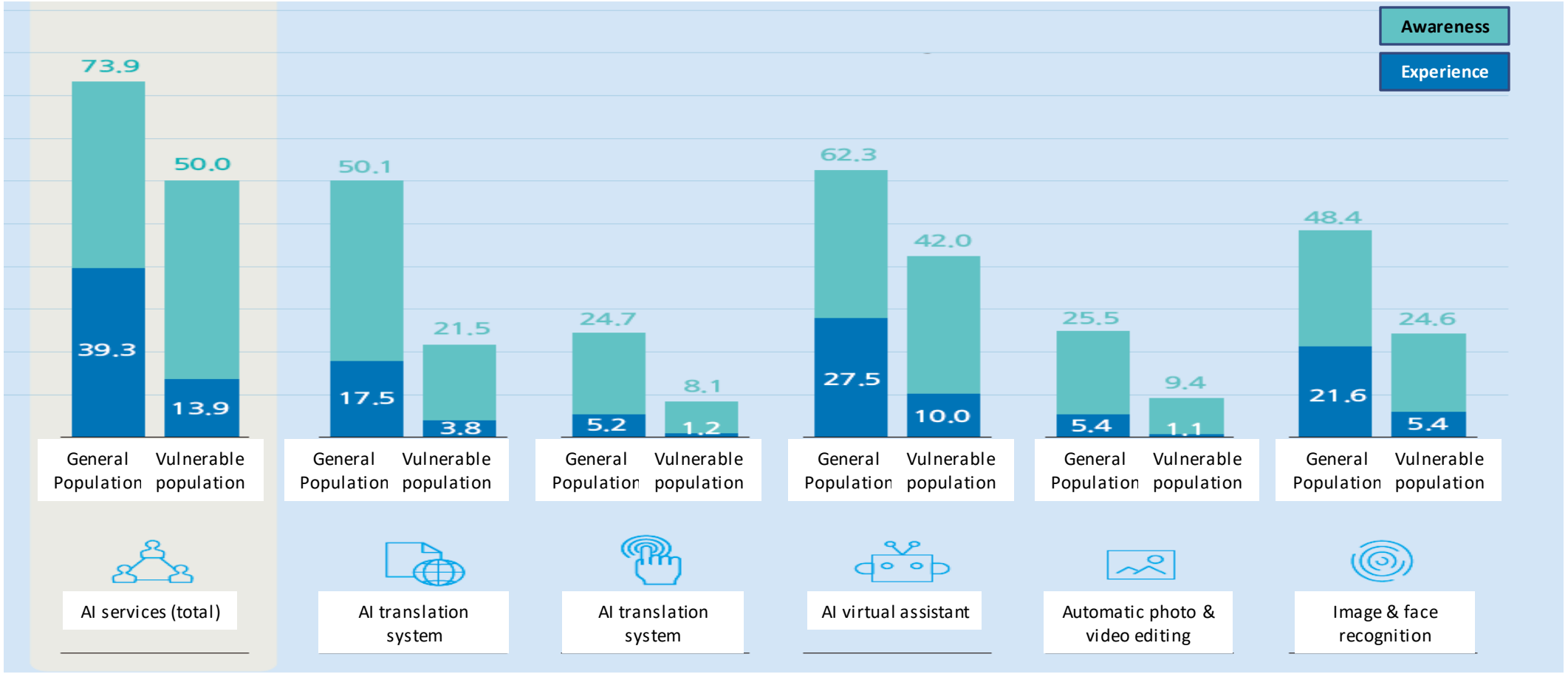


Report on the Digital Divide (AI devices & services)



Policy Use Cases

Policy	Statistics	Details
Blockchain Technology Development Strategy	Survey on Blockchain Industry	Current state of blockchain ecosystem (Number of enterprises, market size, number of workers, etc.)
ACT (Accessible data, Competitive platform, Trustful ecosystem) to realize the Fourth Industrial Revolution	Survey on Cloud Industry	Current state of domestic and international cloud markets (Market share of global companies, etc.)
Strategy for Lifelong Learning and Training in the Digital Age	Survey on the Digital Divide	Current state and future direction (Digital informatization capacity, level of digital skills, etc.)
Strategy for Nationwide AI and Software Education	Information Society Statistics/ Survey on the Use of Information Technology & Software by Domestic Companies	Analysis of IT and software environments (Percentage of AI-using companies, percentage of companies with IT and software staff, whether the IT and software staff receives relevant training, etc.)

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Digital New Deal

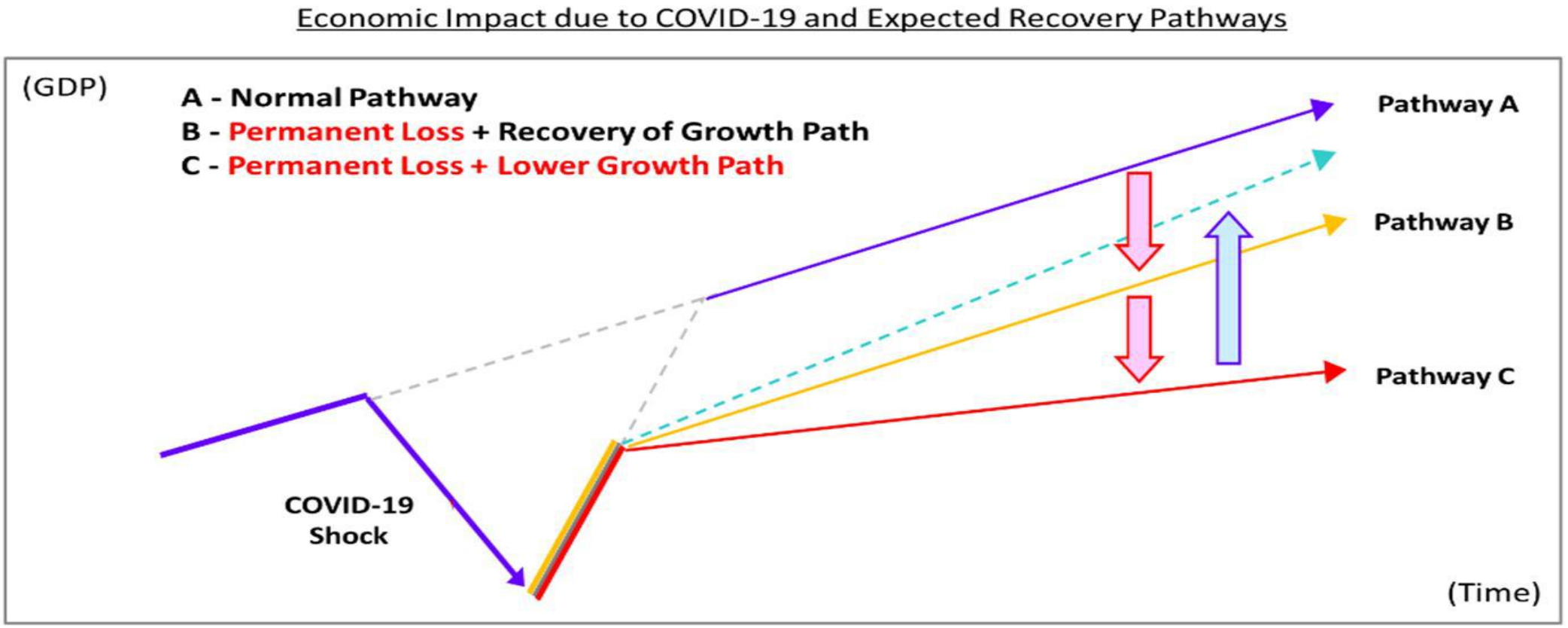
Changes in economic and industrial structures : acceleration in digitalization and contactless services

Healthcare	Work	Education	Logistics
• Telemedicine	• Teleworking	• Distance learning	• Online shopping

D.N.A-based strategy to overcome economic crisis

- D.N.A. – Data, Network, AI

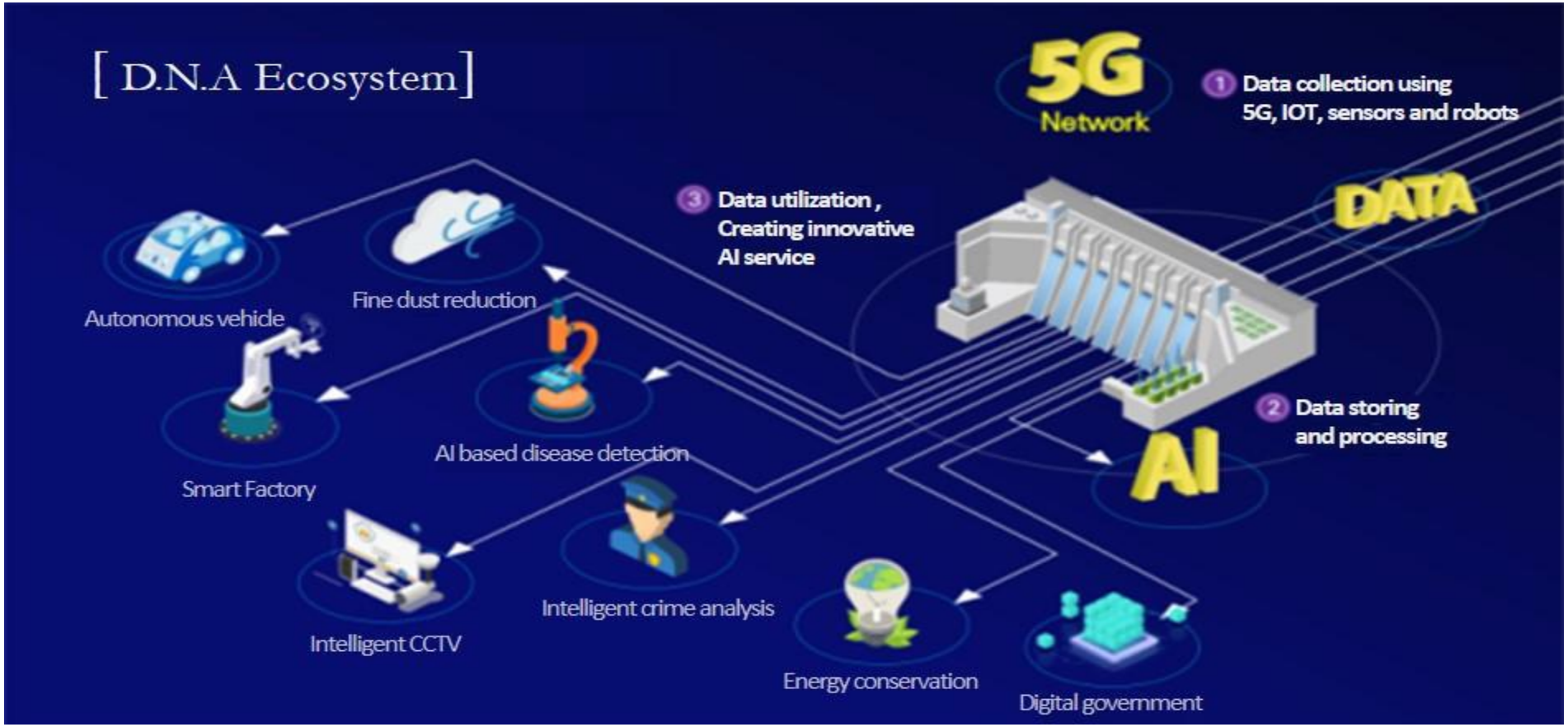
Digital New Deal



Digital New Deal

Improve D.N.A. Ecosystem	Nurture Contactless Industries	Digitalization of SOC
• Data dam • Apply 5G and AI to all industries • 5G- and AI-based government	• Education • Healthcare • Work • Business	• Smart warehouse • Flood management system • Smart roads

Digital New Deal



Digital New Deal

Data Dam

	2020	2022	2025
Data Market size	16.8 trillion won	30 trillion won	43 trillion won
5G provision	14.3%	45%	70%
Number of AI corporations	56	100	150

Green and Smart Schools

	2020	2022	2025
Remodeling of School buildings	-	1,299	Over 2,890 schools
Provision of classroom Wi-Fi	14.8%	100%	100%
EduTech industry size	3.8 trillion won	7 trillion won	10 trillion won

Thank You

Ministry of Science and ICT