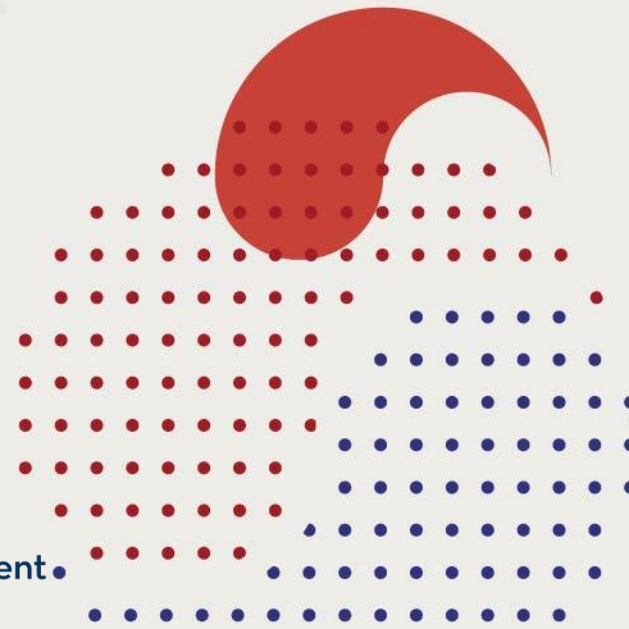


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Innovating the Korean Government Digital Platform Government

September 25, 2024



01 Road to the Presidential Committee

2022, Jan 2



“Campaign Promise ;
Digital Platform Government
Initiative”

2022, May 2

TF on DPG
Presidential Transition
Committee



2022, Sep 2



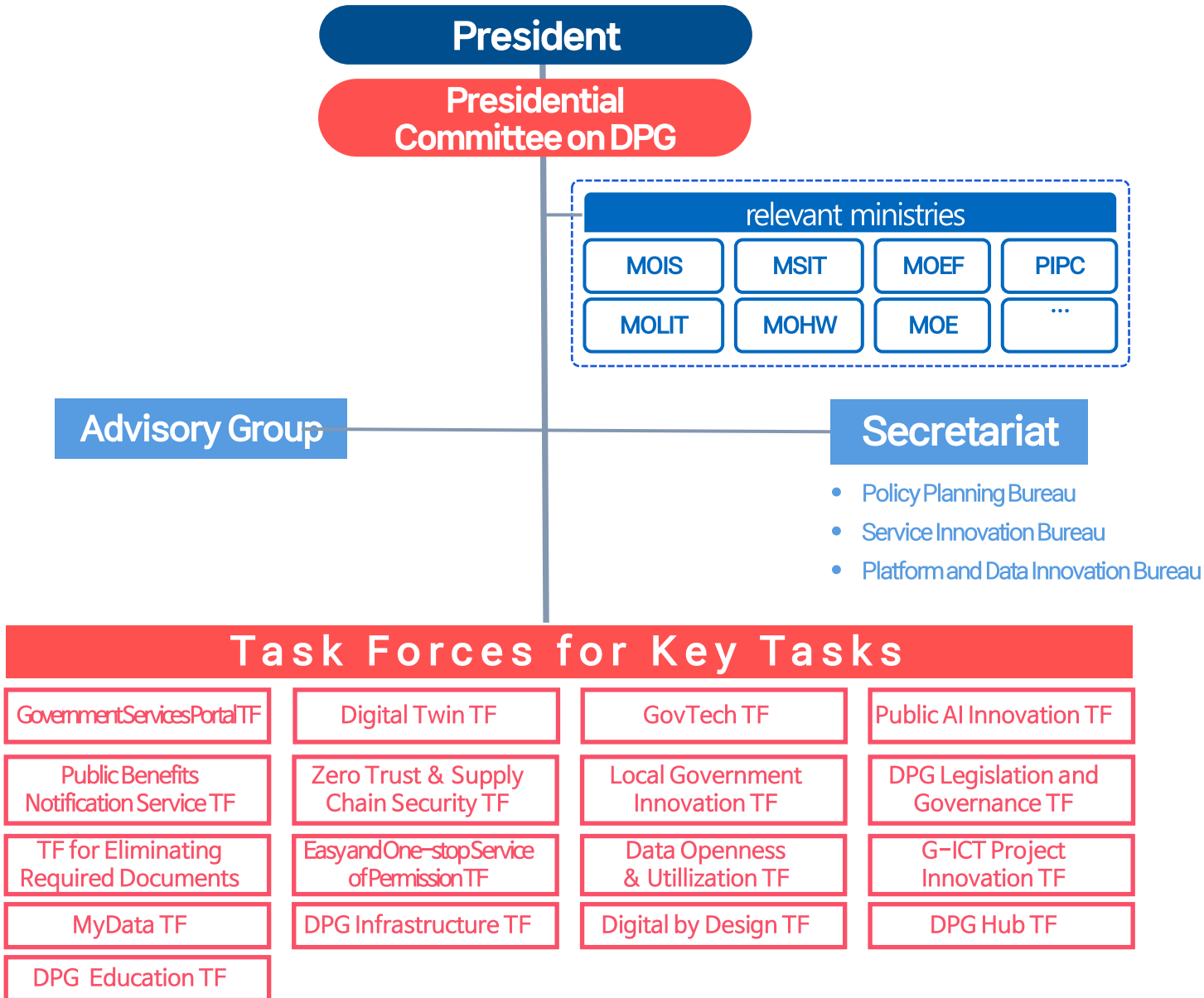
Launch of PCDPG with President

2023, April 14

Presidential Policy Brief on
National Strategy for DPG



02 Organizational Structure



Maximize Private-Sector Capacity

Private-sector members

Composed of 19 top experts in AI, Data, Security

Subcommittees

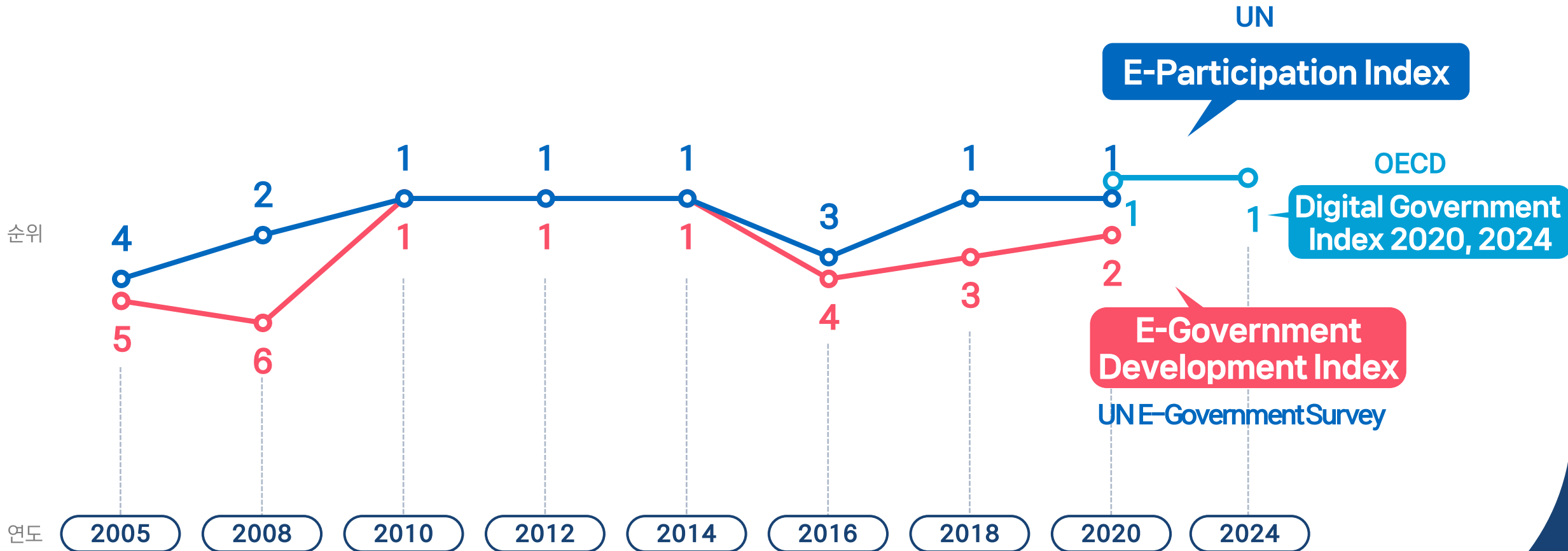
Participated by relevant experts from industry, academia, and research circles (85)

Transition to a TF ('23.5~)

Shift from 6 subcommittee system to a mission-focused 17 Task Force teams.

03 Korea's e-Government: Global Standing

Outstanding performance in Korean E-Government



04 What We Have to Solve

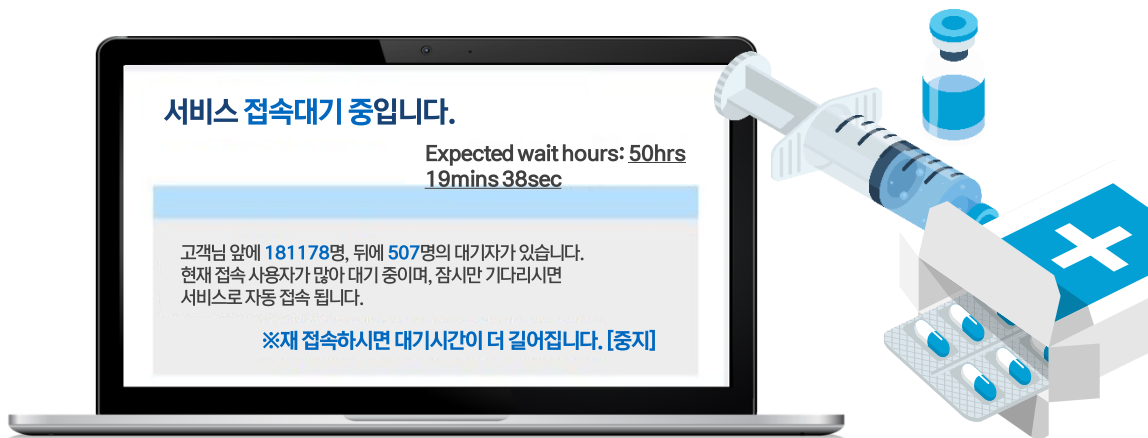
Tragedy continues due to welfare blind spots



Next-gen social security information system fails after initial launch



Long waiting time for vaccine appointments (KCDC website)



Papers are still used



04 Limitations of e-Government

1 17,090 **Silo information systems** → preventing seamless service to the public

* Ministry of the Interior & Safety(183), Ministry of Science & ICT(567)··etc. (as of '22.12. 31)

2 **Difficulty in Data utilization and sharing** → Individual Acts/Laws prevent data sharing across Ministries

3 System is Digital, yet **Process is Analogue** → still more and more paper

4 Cloud is a global trend, yet Korea still focuses on **legacy method(SI)** →
Difficult to adopt latest technology

05 Digital Platform Government, Why Now?

Innovative service experiences from private sector

coupang | MARKET Kurly | NAVER | kakao



Fast and easy services in one place

Raised the bar for service expectations

COVID-19 experiences



Face mask shortage



Vaccination booking



Emergency disaster subsidy

Difficult to deliver solution by Government alone

A critical need to embrace innovation from the private sector

In the era of the Digital Transformation, a complete paradigm shift is required for government operation.

06 Digital Platform Government

The citizens, businesses, and government work in collaboration to solve social problems and create new values based on “Digital Platform” where all data is connected

Via Digital Platform

- Connect systems & data
- Make more data and services open



From Government Driven to
Public & private sector
Collaboration

Embrace
private-sector
innovation

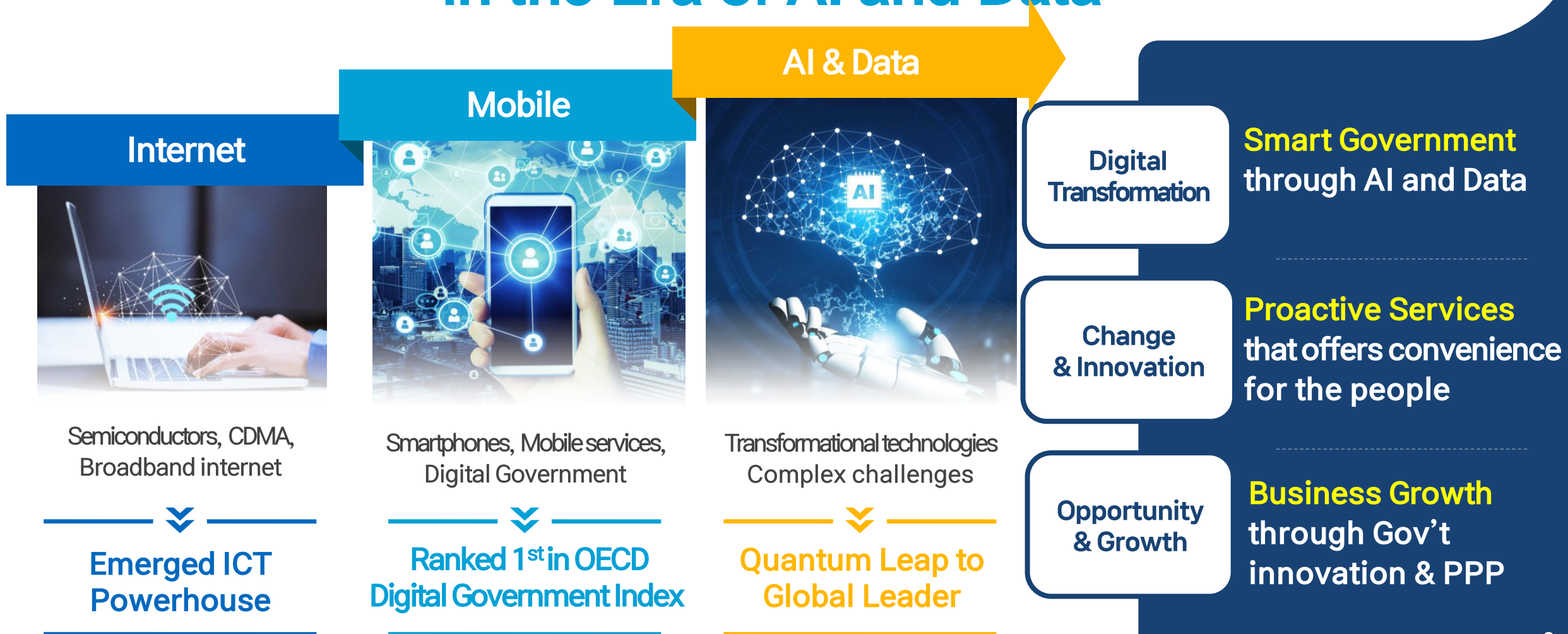


Via cutting-edge technologies

- Provide proactive and customized services
- Make scientific policymaking
- Create innovative businesses

07 Where we stand

An Opportunity for Korea's Next Quantum Leap in the Era of AI and Data



Citizen and business-centric Digital Platform Government

0 Citizen-centric service

- ✓ No in-person visits
- ✓ No required documents
- ✓ No waiting in line
- ✓ No blindspots in social welfare



**Platform for
Citizens' Happiness**

1 One-team government

- ✓ Elimination of ministry silos
- ✓ Single window government
- ✓ Seamless connectivity between administrative & judiciary branch
- ✓ Data connectivity between Central-Local government



**Platform for
Government Innovation**

∞ Boundless business growth

- ✓ New industries
- ✓ New business opportunities
- ✓ Growing startup ecosystem
- ✓ Advance in global markets



**Platform for
Business Growth**

09 Vision & Key Projects for DPG

World's leading **Digital Platform Government** with AI & Data



Citizen-Centric Government

- All services in one place (One Government, One Site)**
 - Establishment of an integrated pan-government portal and authentication system (Any-ID)
- Personalized services**
 - “Benefit notifications” customized to each user

One-Team Government

- Removal of Data Silos**
 - Revision of laws that obstruct the use of data
- AI & Data-driven administration**
 - Implementation of government-exclusive LLM/ AI
- Implementation of innovative infrastructure**
 - Establishment of DPG hub, Cloud native transformation

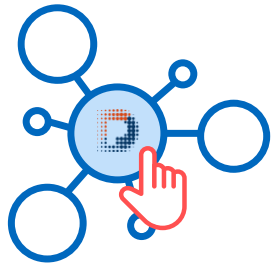
Public-Private Collaboration

- AI & Data as a National Strategic Industry**
 - Disclosure of data that meets the demands of businesses
- Nurturing the GovTech industry**
 - Nurturing GovTech companies including SaaS providers
 - Making IT project processes simpler and more flexible to quickly adopt new services

Trustworthy Government

- Strengthening citizens' rights regarding personal data**
 - Establishment of MyData distribution system
- Introduction of new security systems that are compatible with emerging environments**
 - Zero Trust Architecture, IT supply chain security etc.

A citizen centric government



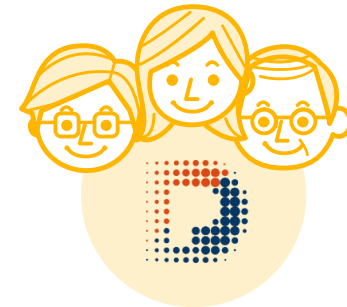
Single-Entry Point

- All government services accessible in one place
 - 1,500 types of public services (certification, Tax report, Welfare benefit applications) to be connected/Integrated by 2026
- Single Sign-On with one ID



Proactive Services

- Notifications system with customized benefit updates
 - Relevant recommendations expanded to 1,021 types by 2026
- Digital wallet with personalized notifications



Digital Welfare

- Execute Demand Driven Projects to meet social needs & address social challenges
 - (2023) 19 projects (KRW 117.4 bn) including Portal for Young Adults, AI Welfare Assistant

One-team government

Removal of Data Silos

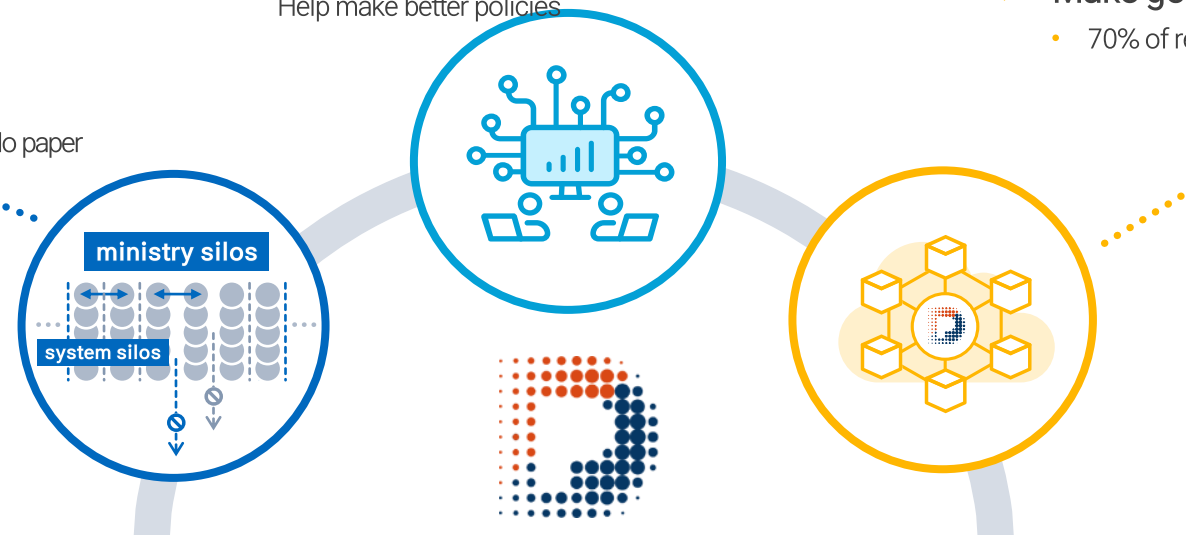
- Remove legal hurdles for data use & sharing
- Convert key documents to AI-readable formats
- Seamless data connectivity b/w administrative & judiciary branches
- Digital transformation of analogue administrative processes
 - Introduce a digital substitute for seal imprints, No paper attachments,

AI & Data-driven Administration

- Conduct data analysis for policy decision-making
- Create use case of LLM / AI in government settings
 - Deploy in the field for welfare services & Civil petition, Help make better policies

Innovation of Infrastructure

- DPG Hub to connect & converge public-private sectors
 - Data convergence infrastructure, AI-based infrastructures, Public service building blocks across government, + more
- Make government systems cloud-native
 - 70% of relevant systems by 2026



Collaborative private-public platform



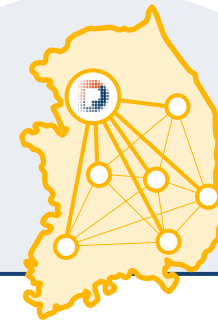
AI & Data as a National Strategic Industry

- Expand hyperconnected digital twins to drive growth in the AI & Data industry
 - Starting with key infrastructures (Transportation, Safety, Energy and others)
- Open public data that is in high demand to people and businesses
 - Business registration info, Car registration info, Public transportation use info + more



Promoting GovTech Industry for Government Innovation

- Open more public services to be accessible through private apps
- Nurture 10,000 GovTech companies including SaaS
- Expedite deployment of innovative services by simplifying government system development processes



Regional Expansion of DPG

- Form a nation-wide DPG innovation network with regional hubs
 - Support AI, Data, Computing resources
- Establish DPG consultation body between central-local gov.
- Restructure Local Administration Integrated Information System

Trustworthy government

Enhancement of the right to personal information

- Develop new 'Personal Information control & Management system'
- MyData Hub
- Introduce 'Personal Data Safety Zone'



New security systems against new threats

- New security system fit for open/sharing environment
 - *Zero trust*, Supply-chain security, +
- Public-private collaboration for security
 - Public-private shared monitoring, Standing response team

Secure Global Competitiveness in the Cybersecurity Industry

- Homomorphic encryption, AI, and other latest security tech applied in the public domain
- Lead global standard by setting security standards for the cloud environment

11 Milestones

2023

Momentum gaining through public awareness

Open key public data for businesses use
(Business registration no., Car registration no., +)

Digitalization in Supreme Court
(Certificate of family relations, Land register info, (Form) From an existing PDF to DATA)

Demand Driven Project

- Integrate policy platform for the young
- Notify services proactively for vulnerable households
- Housing subscription, SME/Start-up support info made available on private platforms

Regional Expansion of DPG

- Establish nation-wide DPG innovation network across the region
- Form DPG consultative body of central-local governments

2024

Infrastructure building to expedite innovation

Integrate major systems & services as Gov24, Home Tax, Bokjiro

Build DPG Hub infrastructure

- Infrastructure for public-private data convergence
- Infrastructure for hyperscale AI utilization
- Testbed for startup innovation
- Marketplace

Restructure Local Administration Integrated Information System

All docs made AI-readable in generation/Storing/Disclosure (Press release, Reports)

AI across gov. (Gov AI)

- Policy** AI for admin. work across gov.
- Welfare** Launch "AI Welfare Assistant"
- Service** Pilot conversational bot for civil service
- Safety** Crowd density risk assessment and forecasting system

2025

Full Roll-Out to Mature Stage

Administrative procedures going fully digital

- Zero attached papers
- Fully online service for civil petitions

Digital substitute for Seal Imprint

Data analysis for major projects
(Data analysis report to be included in policy design)

Building digital twins in 4 major sectors
(Transportation, Safety, Energy, Urban)

Zero Trust architecture, IT supply chain security

Devise system for controlling and managing personal info

12 Expected Achievements and Values of DPG

DPG's Major Expected Achievements (2026)

People-centric government

- Integrate **1,500 types** of public services in single domain
- Benefit notification for **1,021 services**
- Save **KRW 2tn** with zero required documents

One-team government

- Reduce paper use in public domain by **50%**
- 70%** of relevant systems to cloud-native
- Integrate** local gov. currently divided into metropolitan & Municipal gov.

Collaborative Private-public platform

- Nurture **10,000** SaaS businesses
- Nurture **5** AI unicorns
- USD 2 billion** in DPG exports

Trustworthy platform-based government


- Construct MyData Hub system for **major sectors** – public service, Finance, Communication
- 100%** security with new security systems and latest tech

Value created by DPG


Time & Cost-saving for the people


Proactive services


Digital services for all


Agile & Flexible government


Sophisticated policy design & Budget allocation


Balanced national development


Boost the GovTech industry


Nurture digital talents & Create jobs


Lead the global digital market


Safe data use


Strengthen competitiveness of security industry

Digital Platform Government's Role in the International Community



"As a **leading digital technology nation**, Korea has actively shared its e-government experiences with developing countries and actively promoted digital ODA in the digital field.

We will make **relentless efforts to share our digital technologies and experiences**, as well as **promote their dissemination**."

Special address at the World Economic Forum Annual Meeting 2023

Global Partnerships



THE WORLD BANK



UN DESA



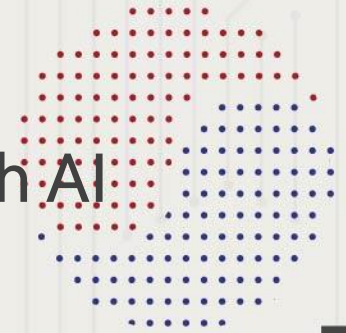
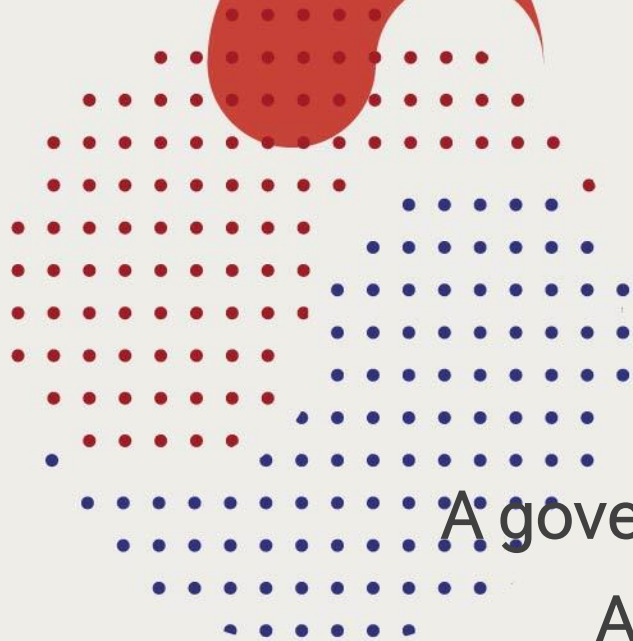
United Arab Emirates



Smart Nation
SINGAPORE



مكتب الشارقة الرقمية
Sharjah Digital Office



The **most dynamic** country

A government that **serves** 24/7 the **smart** way with AI

A future of **thriving** people and businesses



created by
the Digital Platform Government
of the Republic of Korea

