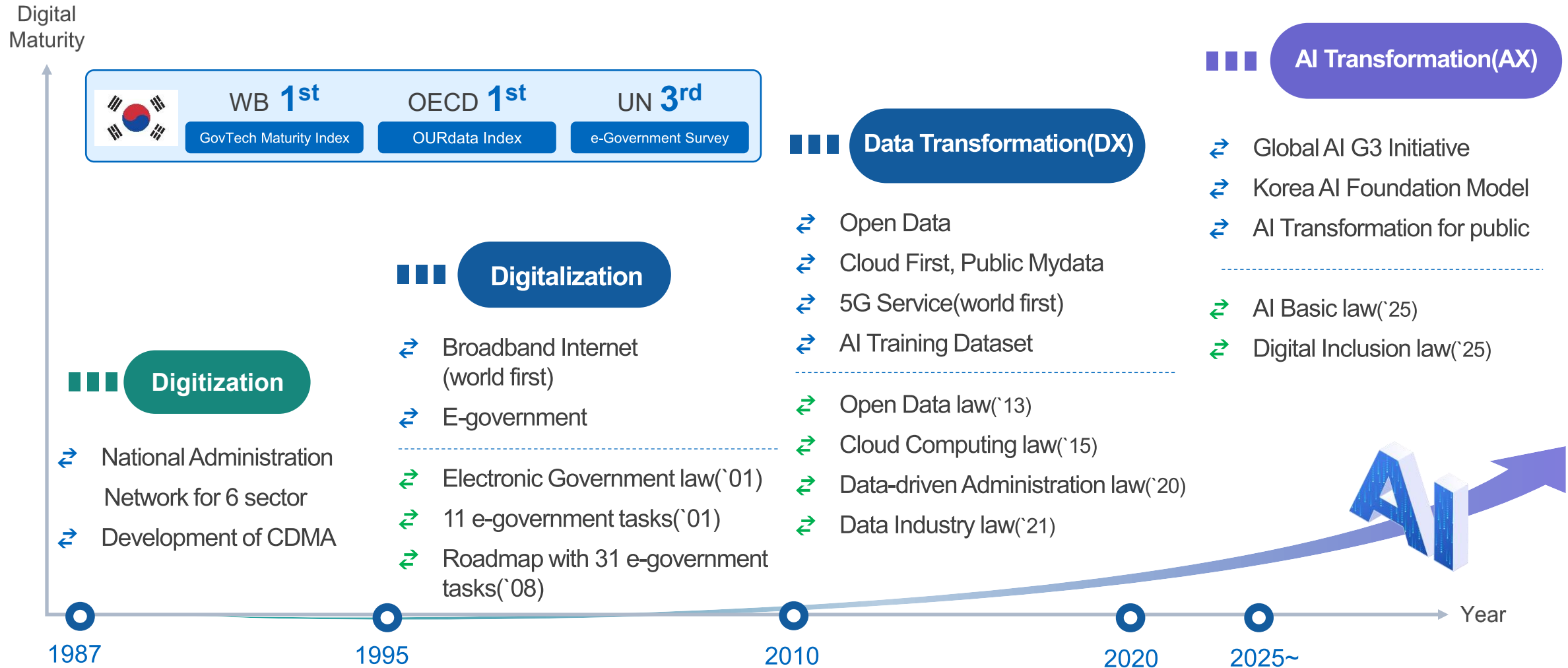# Korea's AI Transformation Journey

2025.10.20

Hyejeong Lim
Director
National Information Society Agency(NIA)
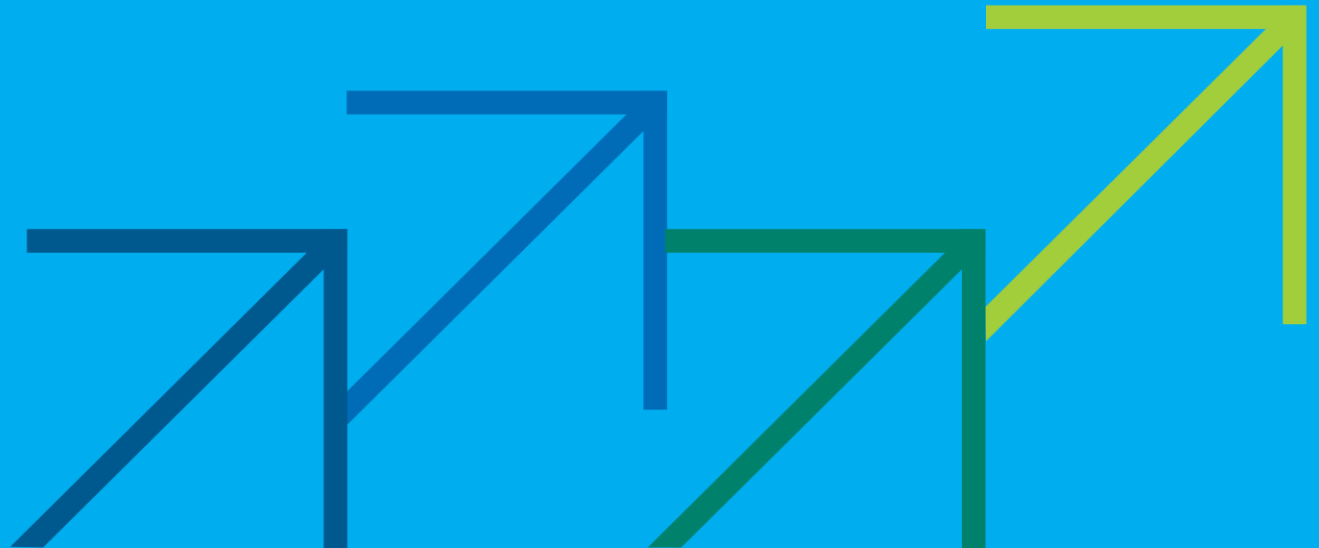
History of Korea's Digital Transformation

Digital Maturity

WB 1st — GovTech Maturity Index
OECD 1st — OURdata Index
UN 3rd — e-Government Survey

AI Transformation(AX)

⇄ Global AI G3 Initiative
⇄ Korea AI Foundation Model
⇄ AI Transformation for public

⇄ AI Basic law(`25)
⇄ Digital Inclusion law(`25)

Data Transformation(DX)

⇄ Open Data
⇄ Cloud First, Public Mydata
⇄ 5G Service(world first)
⇄ AI Training Dataset

⇄ Open Data law(`13)
⇄ Cloud Computing law(`15)
⇄ Data-driven Administration law(`20)
⇄ Data Industry law(`21)

Digitalization

⇄ Broadband Internet (world first)
⇄ E-government

⇄ Electronic Government law(`01)
⇄ 11 e-government tasks(`01)
⇄ Roadmap with 31 e-government tasks(`08)

Digitization

⇄ National Administration Network for 6 sector
⇄ Development of CDMA

Year

1987　1995　2010　2020　2025~

Korea's Strategy for AI

Leapfrogging into Global AI G3

by Public-Private Cooperation for AI Competitiveness

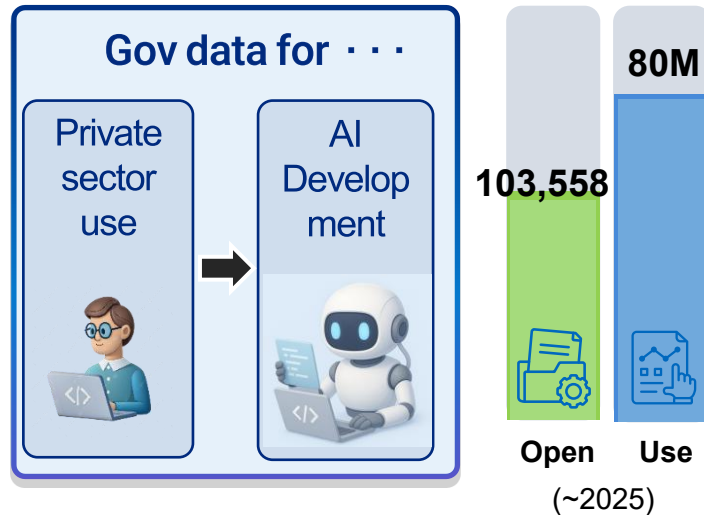| 1 ❘ AI Computing Infra	2 ❘ AI Model	3 ❘ AX of Public Sector
Dramatic increase of AI computing demands	**Importance of sovereign AI as national competitiveness**	**Government innovation through AI by design**
Accelerating the expansion of AI Computing Infrastructure	**Public-private collaboration to develop Korea AI foundation model**	**AI based government services, Shared gov-AI infrastructure**

Korea's Data Strategy for AX

Open Data

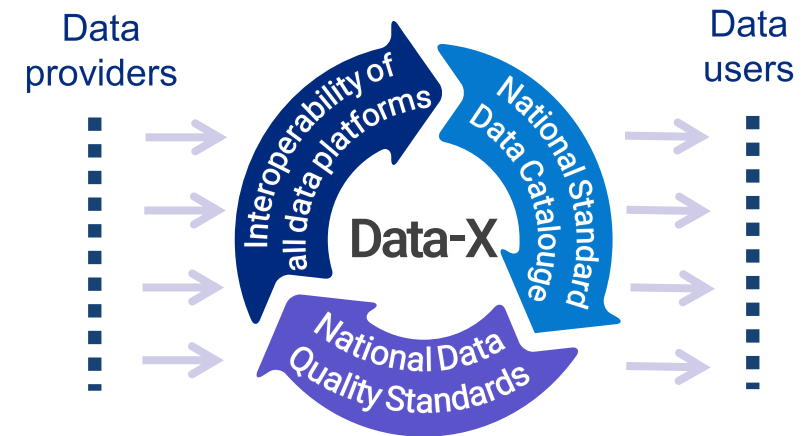➔ AI friendly open data(Top 100), AI ready gov data portal

Gov data for · · ·

Private sector use → AI Development

103,558 | 80M

Open | Use

(~2025)

AI Training Data

➔ **Government led** AI training dataset development (korean language·image)

1M use

903
691
191
21

2019 | 2020 | 2022 | 2024
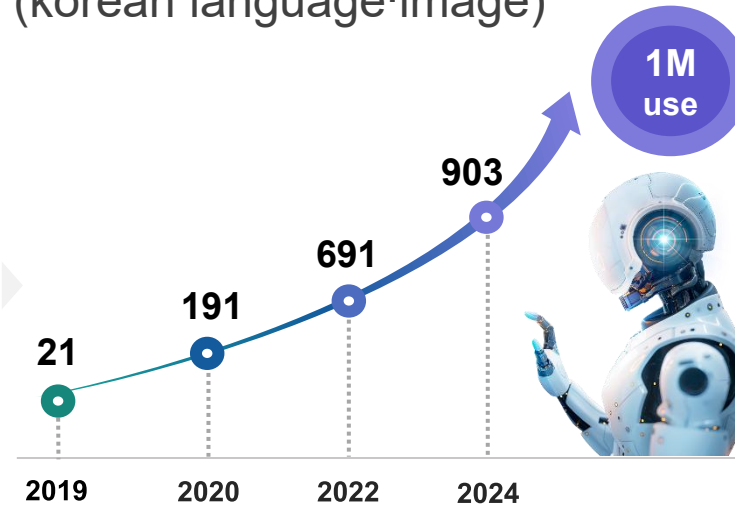
Data-X

➔ Comprehensive infrastructure for **seamless data flow**, utilization across public and private platform

Data providers → Data users

Interoperability of all data platforms

National Standard Data Catalogue

Data-X

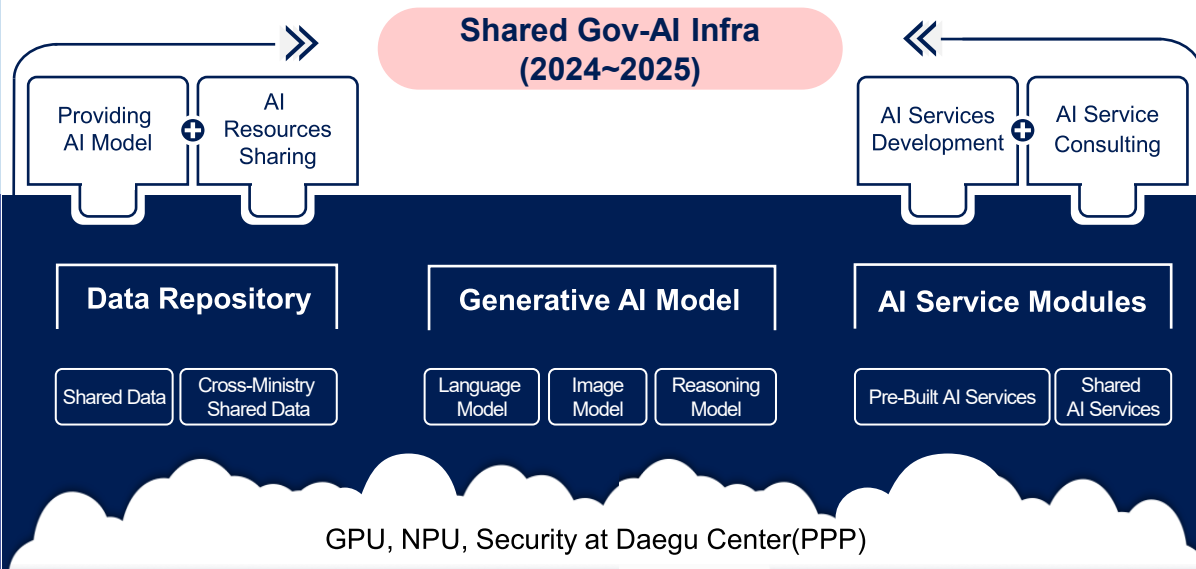National Data Quality Standards

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Accelerating AI Innovation by Data Production·Openness·Sharing

AI Strategy for Public Sector

Shared Gov-AI Infra

➔ Enabling the shared use of **AI models, training data**, and **computing resources for** civil servants

Shared Gov-AI Infra (2024~2025)

Providing AI Model + AI Resources Sharing »

« AI Services Development + AI Service Consulting

Data Repository
- Shared Data
- Cross-Ministry Shared Data

Generative AI Model
- Language Model
- Image Model
- Reasoning Model

AI Service Modules
- Pre-Built AI Services
- Shared AI Services

GPU, NPU, Security at Daegu Center(PPP)

AI Green Innovation Projects

➔ Enabling the use of **AI in government administration** for efficiency and innovative services

Guideline for development ➔ Consulting & PoC ➔ Support for development ➔ Advancement & expansion
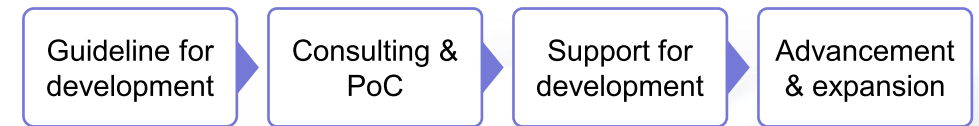
Public
- AI for Disaster Reponse Decision Making(Flood prediction, wildfire situation analysis)

Green
- Hyper-scale service for supporting young farmers (AI-tailored guide and content based on personal data)

Realizing global AI G3 by changing administrative paradigm for AI

Thank you

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