

# Open Government Data Policies in Republic of Korea

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Dongyub Baek  
Principal Manager

dybaek@nia.or.kr

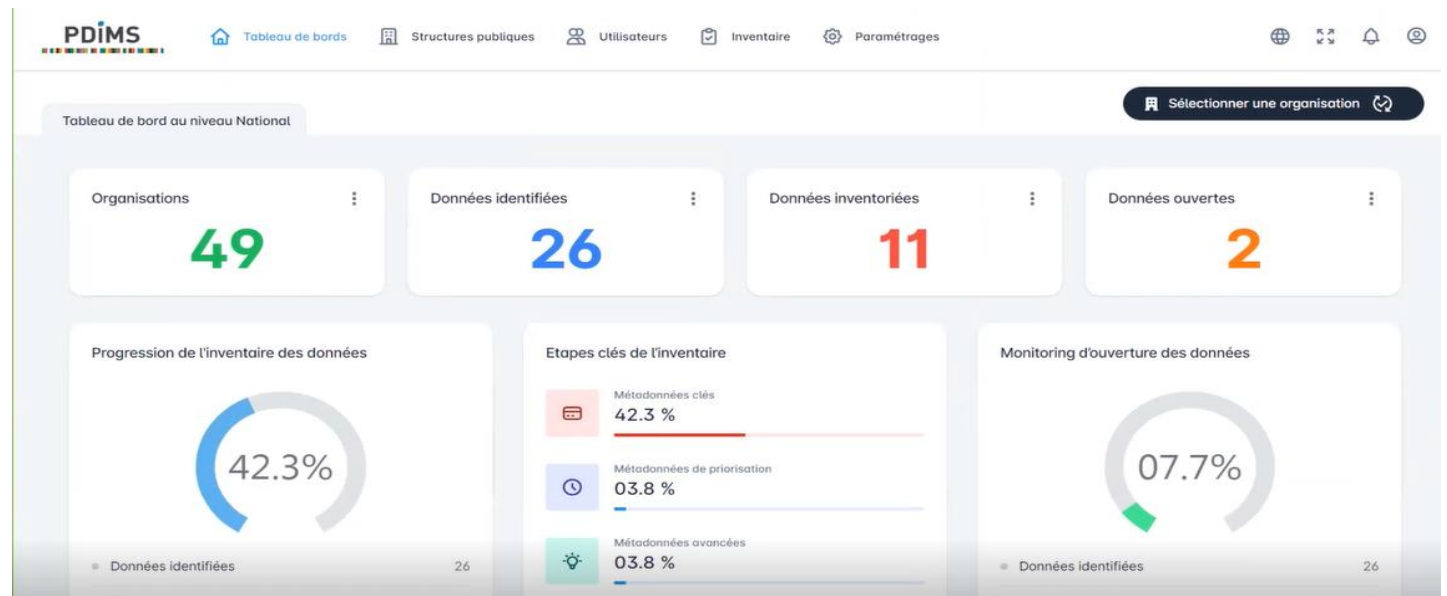
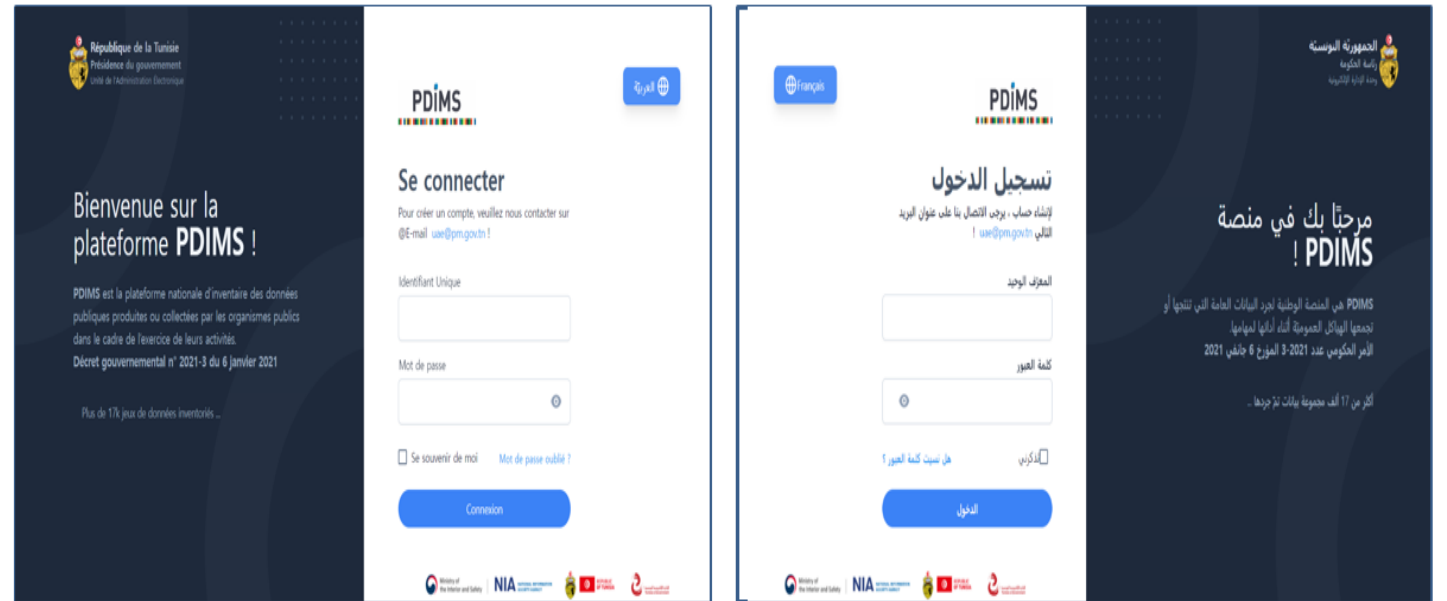


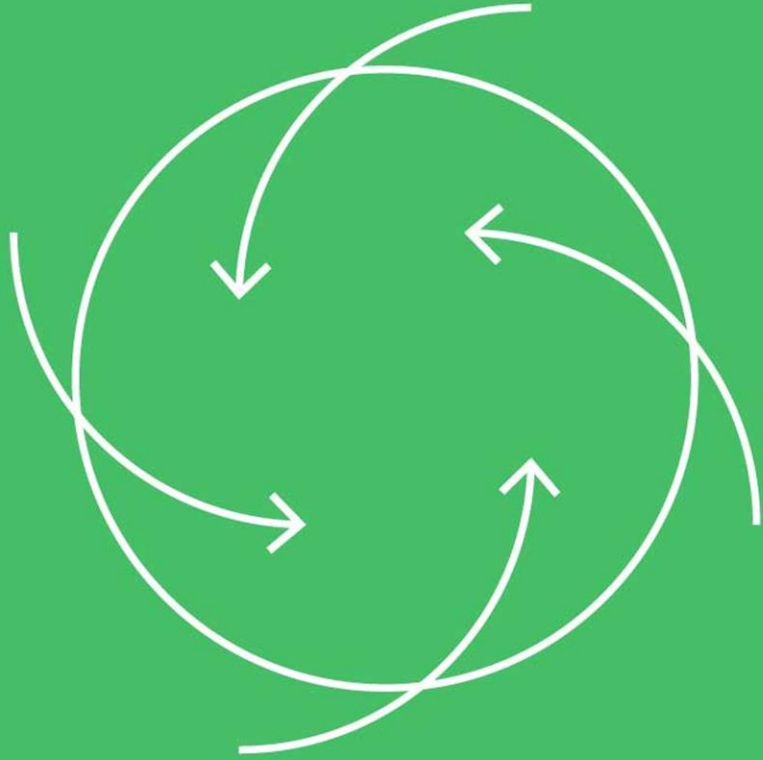


## KOREA-TUNISIA

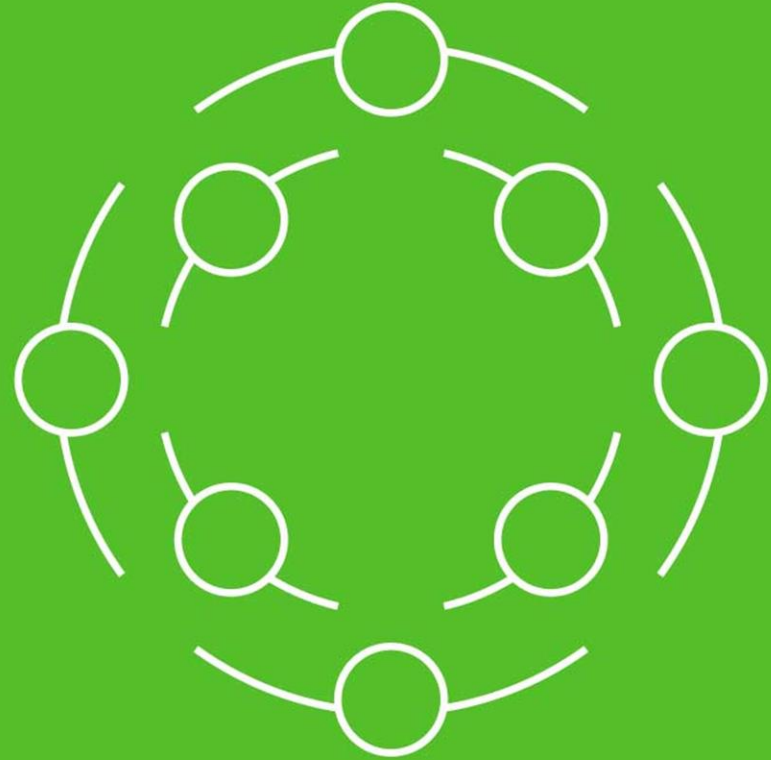
E-Government Cooperation Center







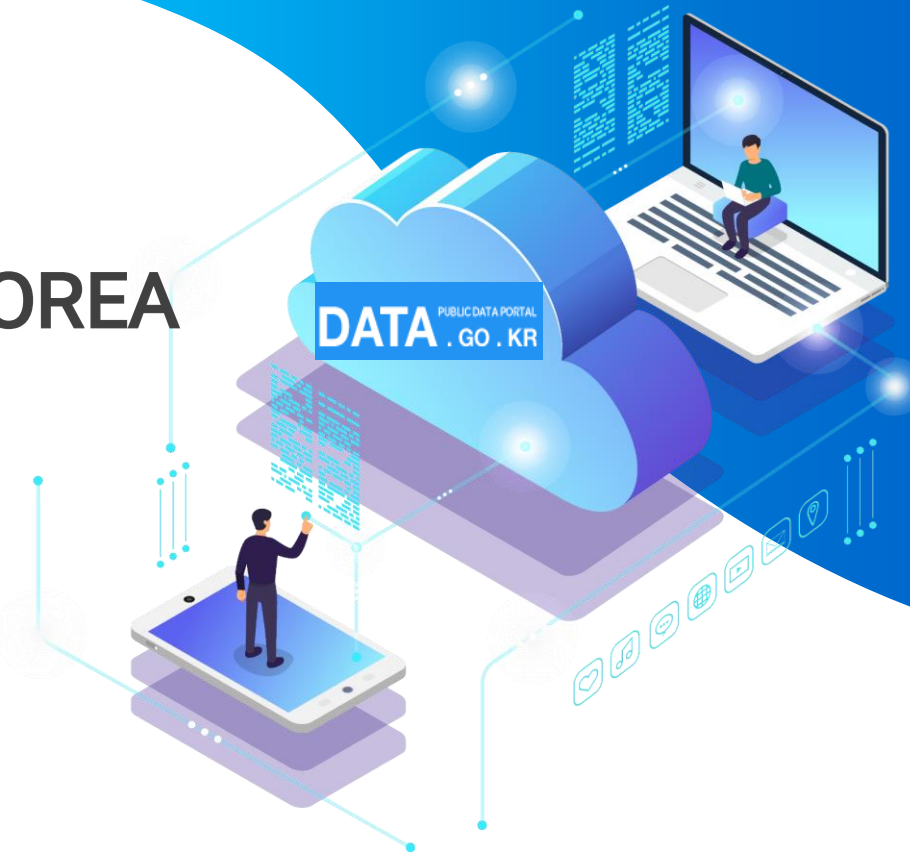
**WHOLE-OF-GOVERNMENT  
APPROACH**



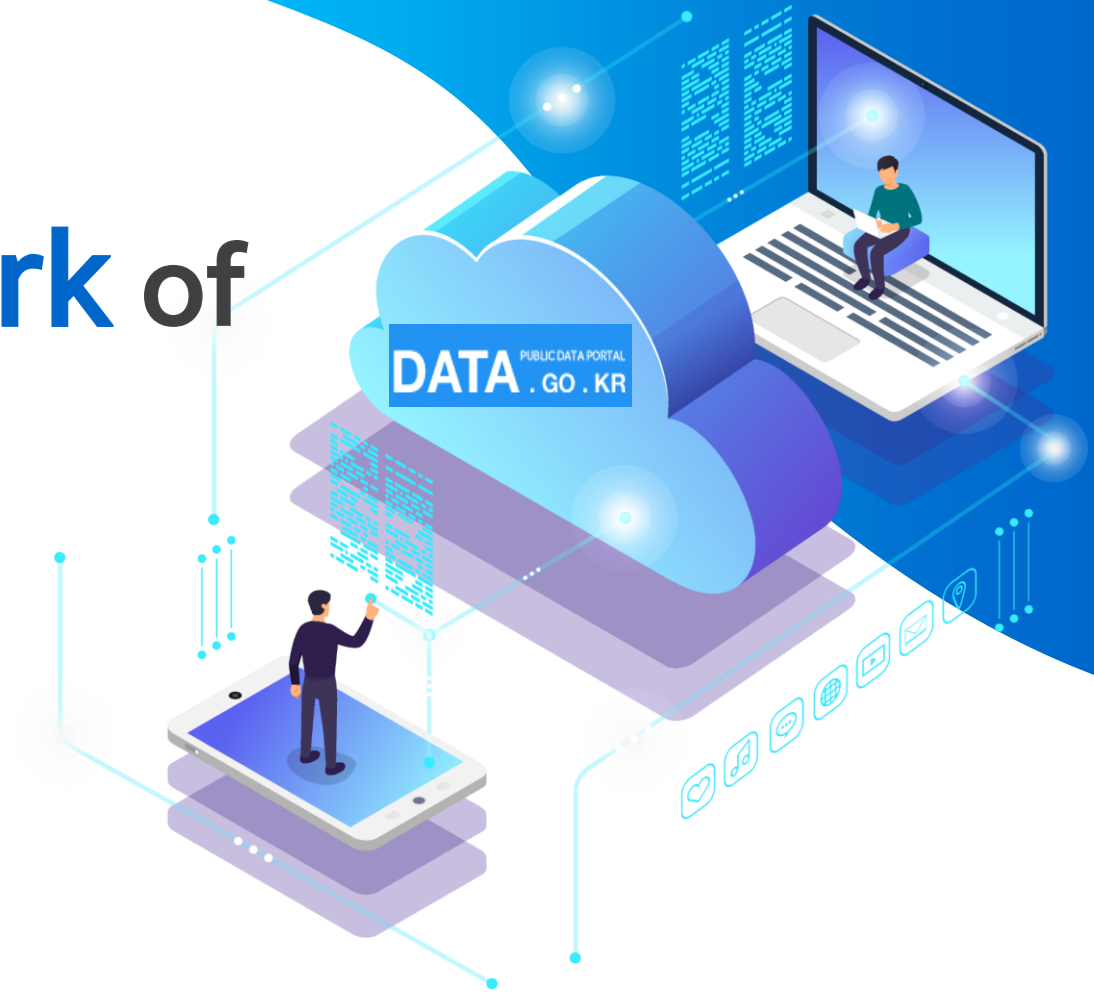
**WHOLE-OF-SOCIETY  
APPROACH**

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- 01 Governance Framework of OGD KOREA
- 02 Law & Masterplan of OGD KOREA
- 03 Other instruments of OGD KOREA



# Governance Framework of Open Government Data



## Definition of Open Government Data

“Open Government Data refers to data created and retained by the government, municipal organizations, and public organizations that is available to people”



In order to proactively release open government data and to create new

business opportunities by analyzing, **the Korean government enacted the “Open Data Law” in 2013** and **has been implementing a variety of policies** ever since

# 01 Governance Framework of Open Government Data



- **ODSC (deliberating body under the prime minister and co-chaired by private representatives)**

- Deliberate, coordinate, monitor and evaluate government's major open government data policies, plans and their implementation
- Include each ministers and more than half of private representatives



- **MOIS (leading ministry):** Open gov't data master planning & evaluate implementation, create a data infrastructure, release datasets, etc.



- **NIA (main institution in charge of OGD to support design and implementation of policy/strategies):** The open data center within NIA to support an OGD release and reuse of all governments and institutions

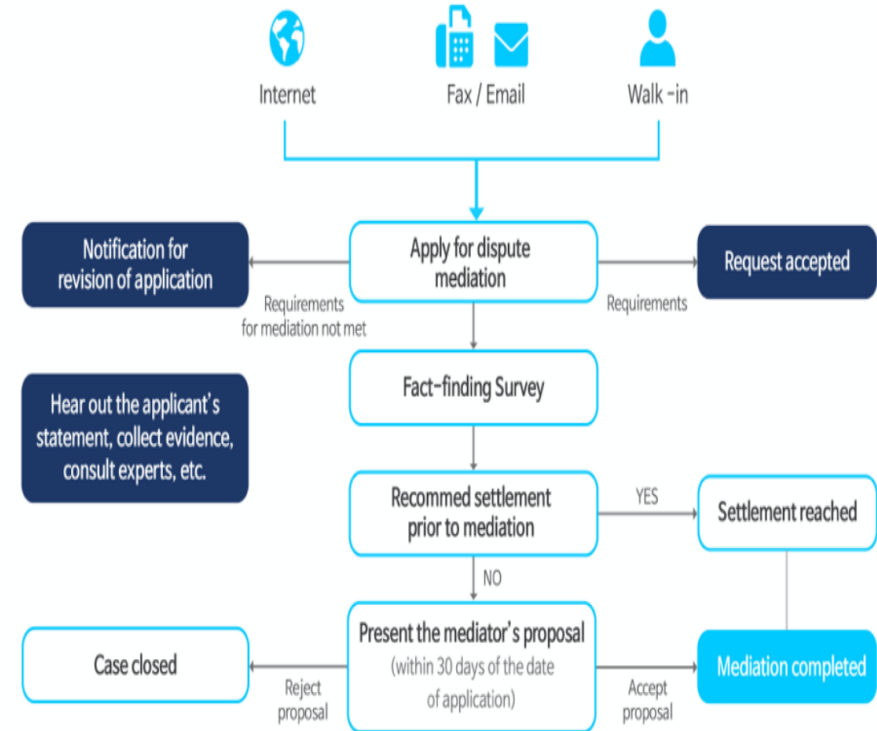
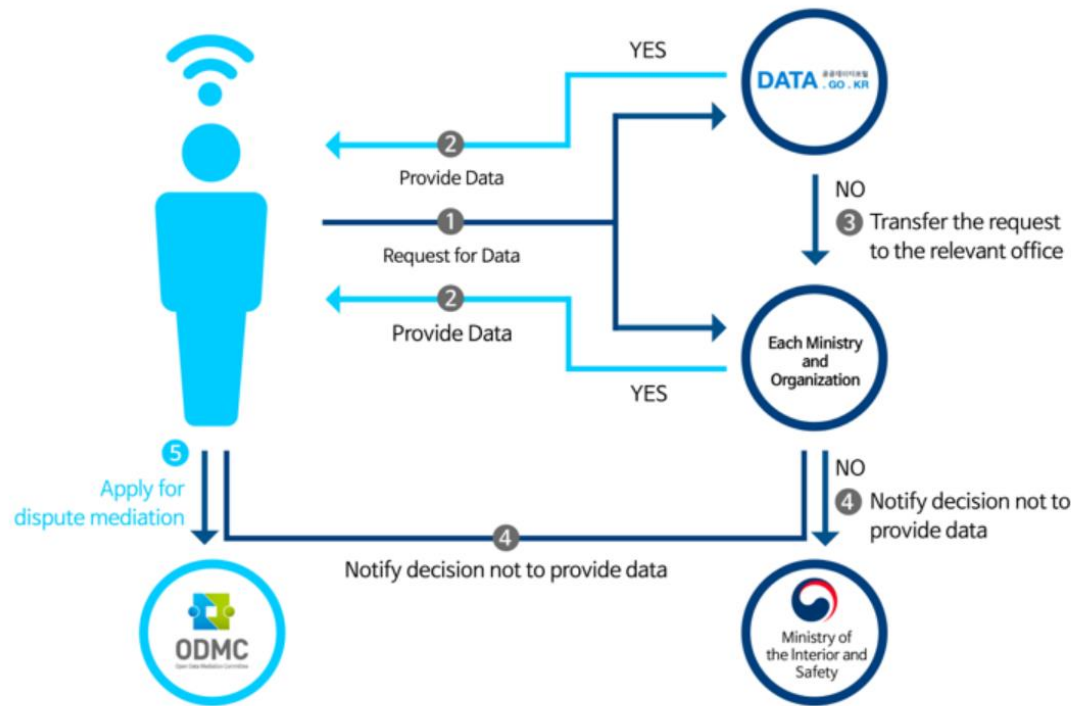


- **ODMC (mediation of disputes):** mediate disputes for release of open gov't data refused or suspended by public institutions



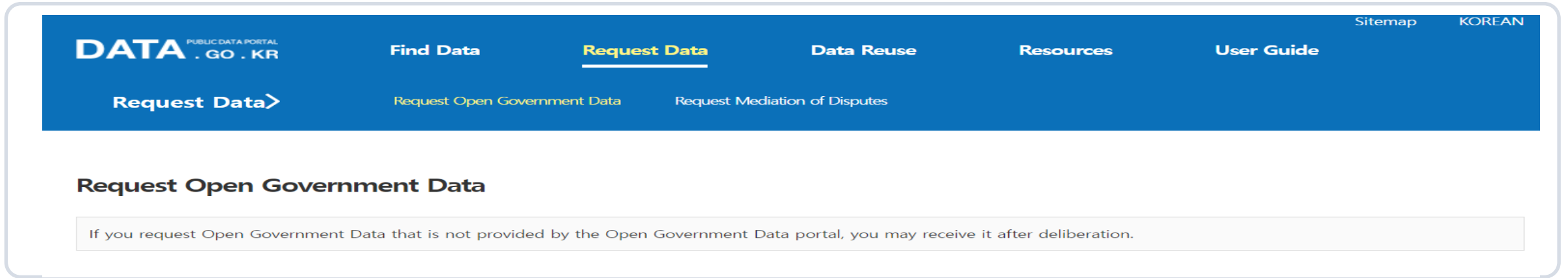
# 01 Governance Framework : Open Data Mediation Committee

- Committee has been created to ensure user who experiences problems from ministry/public bodies that refuse to provide datasets, may seek effective remedies through a simple procedure of dispute mediation



# 01 Governance Framework : Open Data Mediation Committee

■ Anyone who visit national data portal can request datasets not provided in the portal



**DATA** PUBLIC DATA PORTAL . GO . KR

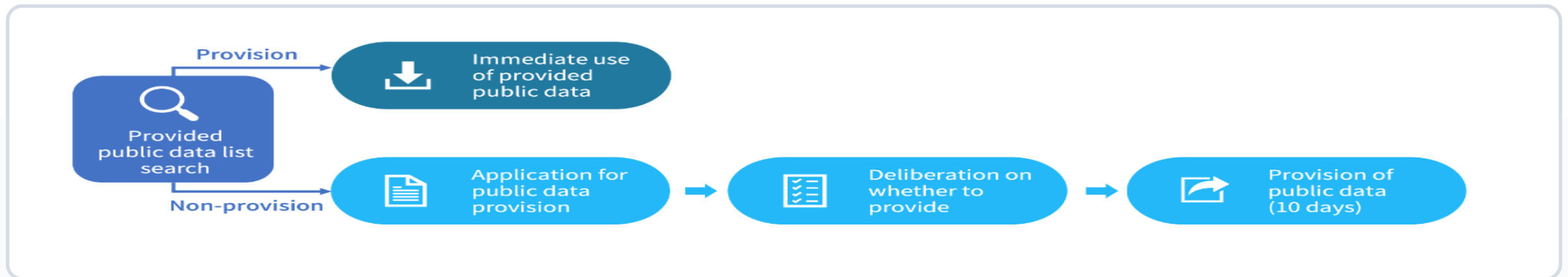
[Find Data](#) [Request Data](#) [Data Reuse](#) [Resources](#) [User Guide](#)

[Request Data](#) > [Request Open Government Data](#) [Request Mediation of Disputes](#)

### Request Open Government Data

If you request Open Government Data that is not provided by the Open Government Data portal, you may receive it after deliberation.

## Process of Request



# 01 Cases of Open Data Mediation Committee

## Data of fire accident



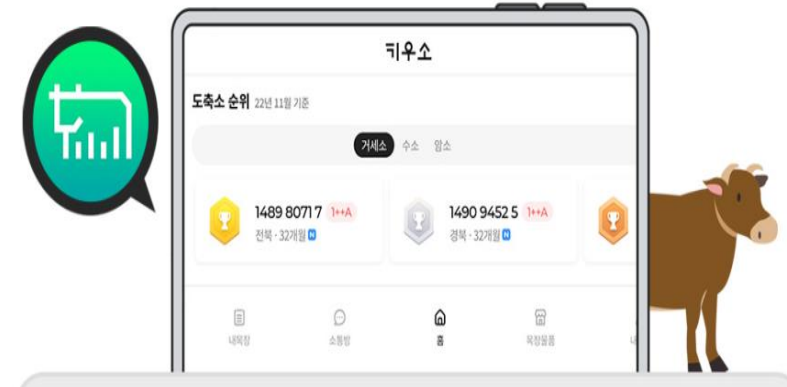
Location of fire accident(deleting room number)

## Data of facilities for the disabled



Parking lot, elevator, toilets, entrance that disabled can use

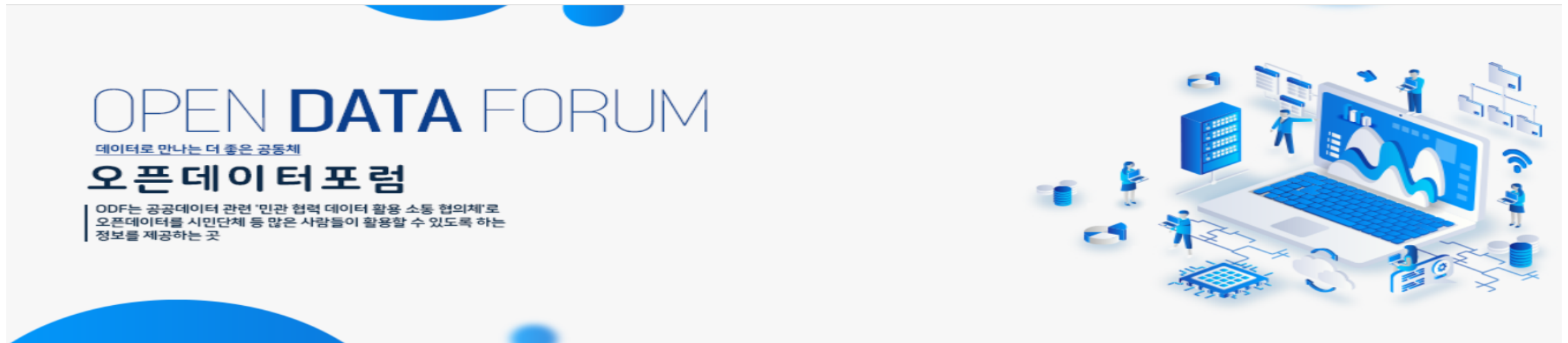
## Historical Data of Cow



Farm Registration Number, Historical Data of Cow, location of livestock breeding facilities

# 01 Governance Framework : Open Data Forum(PPP)

Open Data Forum (<http://odf.or.kr/>)



**A Public-Private Partnership Community in cooperation with stakeholders to solve economic and social problems using open government data(16 members)**

- (Members) Civil society, Company, academy and institution, Press/Media, Government and public institutions
- (Research and projects) To improve open data policies and promote reuse of open data in private sectors

# 01 Governance Framework : Open Data Forum(PPP)



**열린세미나** [11월 열린세미나]...

2022년 11월 열린세미나를 개최합니다. 이번 열린세미나는 공공데이터의 적극적 활용을 통...

2022.11.25 ~ 2022.11.25



**열린세미나** [9월 열린세미나]...

2022년 9월 열린세미나를 개최합니다. 이번 주제는 최근 연이은 태풍, 집중호우 등...

2022.09.16 ~ 2022.09.28



**열린세미나** [7월 열린세미나] "선거관..."

2022년 7월 열린세미나를 개최합니다. 이번 주제는 선거관련 데이터의 개방현황과 사법기...

2022.07.18 ~ 2022.07.28

**Examining Disaster Safety through Open Data**



**열린세미나** [ODF 5월 열린세미나]...

이번 오픈데이터포럼(ODF)은 그동안 공공데이터



**열린세미나** [ODF 9월 열린세미나]...

2021년 9월 열린세미나를



**열린세미나** [ODF 6월 열린세미나]...

2021년 오픈데이터포럼 첫 세미나를



# 01 Governance Framework : Public-Private Partnership

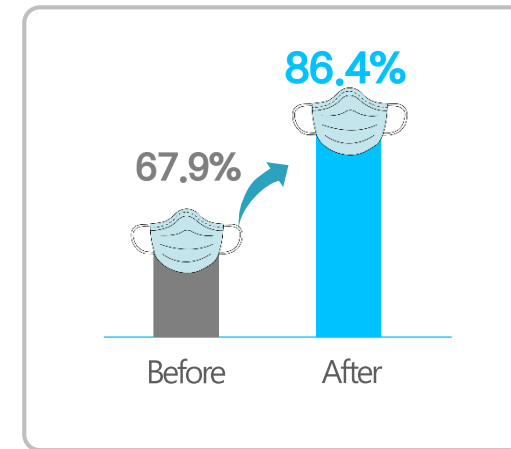


## Mask Apps/webs

- Utilizing API mask data provided by the government (location of sellers and quantity of warehousing displayed in 4 different colors), 150 apps/webs providing real-time quantity of mask left in nearby sellers were developed



Increase in the % of pharmacies sold out all masks



# Law and Master Plan of Open Government Data



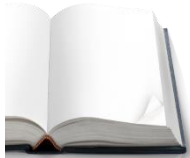


# 01 Purpose and instruments of Open Government Data Law

## Purpose

Improve quality of people's lives and create new business opportunities by making it mandatory to proactively release open government data

## Contents



[OGD Law]  
Composed  
of Chapter 6,  
Article 40



- | [Basic Principles](#) | Guarantee people's equality in their access to open data and obligate institution to provide open data
- | [Open Data Strategy Council](#) | Under the Prime minister / establishment of Master Plan / deliberation and decision on datasets to be released
- | [Master Plan/Evaluation of Status](#) | Develop Master Plan(every 3 years), pan-government data evaluation(yearly)
- | [Officers Responsible for](#) | Designate a general manager for each institution
- | [Establishment of Foundation for Provision](#) | Data catalogue, portal operation, quality maintenance, standardization
- | [Preventing duplicated/similar OGD applications with private sectors](#) | Preventing duplicated/similar OGD applications with private sectors
- | [Mediation of Disputes](#) | Establish and manage the Open Data Mediation Committee
- | [Open Data Center](#) | Open Data Center shall be established and operated within jurisdiction of the National Society Agency

## 02 Progress of Key Policies and Strategies of OGD

### Policies (mid & long-term)

- 1<sup>st</sup> Open Data Master Plan (2013–2017)
- 2<sup>nd</sup> Open Data Master Plan (2017–2019)
- 3<sup>rd</sup> Open Data Master Plan (2020–2022)
- 4<sup>th</sup> Open Data Master Plan(2023–2025)
- 1<sup>st</sup> National Core Data Release Plan (2015–2017)
- 2<sup>nd</sup> National Core Data Release Plan (2017–2019)
- 3<sup>rd</sup> National Core Data Release Plan(2020–2022)
- 4<sup>th</sup> National Core Data Release Plan(2023–2025)

### Implementation Plan (Yearly)

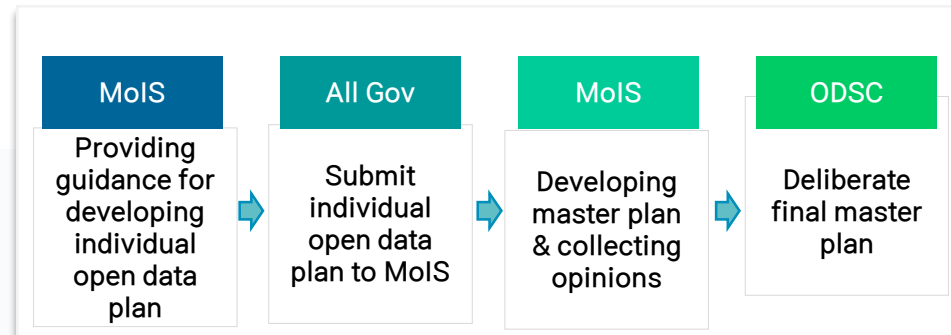
- Open Data Implementation Plan (2014~)
- Annual National Core (open government) Data Release Plan (2015~)

# 02 Process of developing 4<sup>th</sup> Open Data Mater Plan

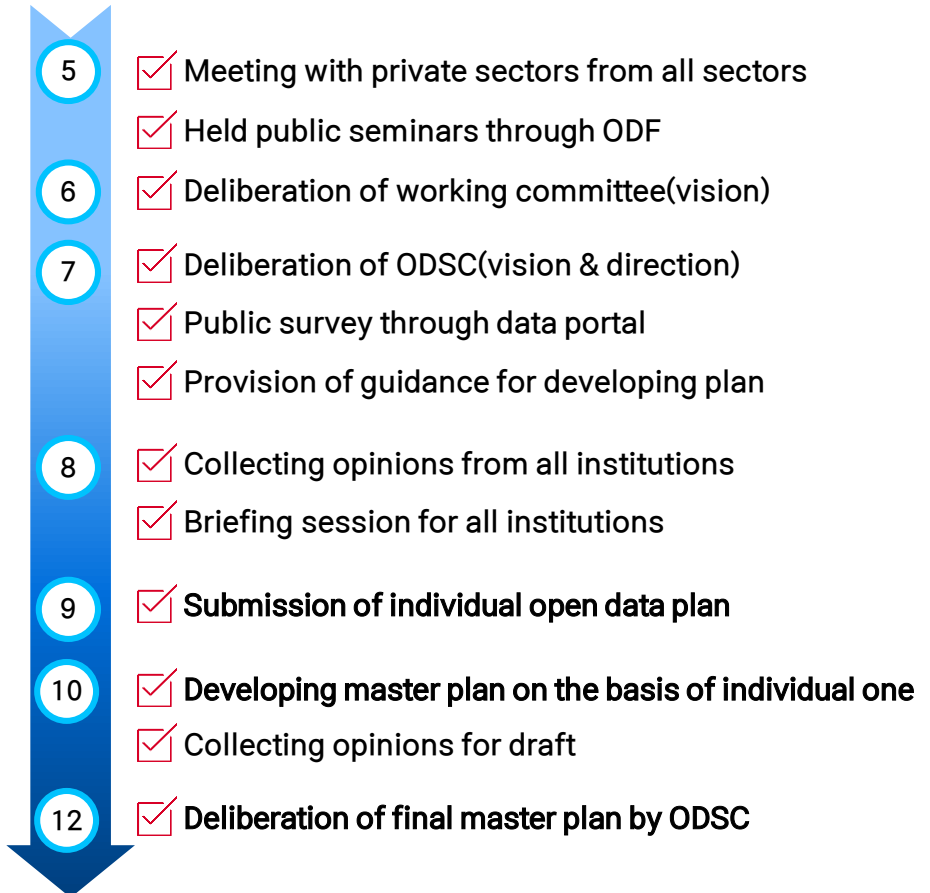
## Overall

- **Name of the plan** : 4<sup>th</sup> Open Data Master Plan
- **Period** : 2023 ~ 2025
- **Legal basis** : Open Data Law article 7
- **Scope** : 67 institutions

## Process



## Progress



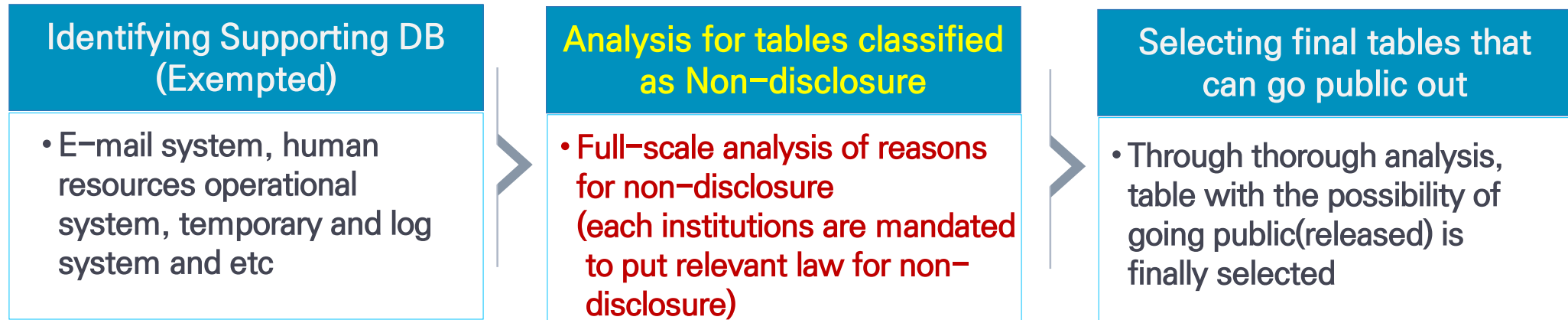
# Main Projects of 4<sup>th</sup> Open Data Master Plan

## Part 1. Releasing Data



# 01 Releasing Data by 'OPEN BY DEFAULT'

“There are number of datasets(308,485) in DB of all 585 ministries, local government, public institutions, **WHY THEY CAN'T GO PUBLIC ?** ”



Types	No. of Org	Pre-released	No. of Exemption	No. of Non-disclosure	No. of Non-disclosure that can go public
Central Gov	39	6,028	5,166	59,734	25,841
Affiliated Inst	118	666	2,508	21,876	7,549
Local Gov(Dis)	16	1,034	6,935	36,731	18,746
Local Gov	192	952	13,784	20,551	12,965
Public Inst	186	5,402	27,344	167,097	92,093
Public Local Inst	34	39	1,001	2,496	693
<b>Total</b>	<b>585</b>	<b>14,121</b>	<b>56,738</b>	<b>308,485</b>	<b>157,887</b>

# 01 Releasing Data by 'OPEN BY DEFAULT' : Analysis of non-disclosure

## Check for all data classified as non-disclosure

- ▶ If reason for non-disclosure is empty, data should go public
- ▶ Review the possibility of releasing by comparing actual table column with the reasons for non-disclosure in the meta-information of each table

System	Name of table	Name of Column	Status	Reason for non-disclosure
Education Management System	Teaching hours	Educational classification, date, hours, personnel	Non-disclosure	-
Education Management System	Print out history of certificate	Education classification, output data and time, sequence number	Non-disclosure	With system information, risk of hacking exists

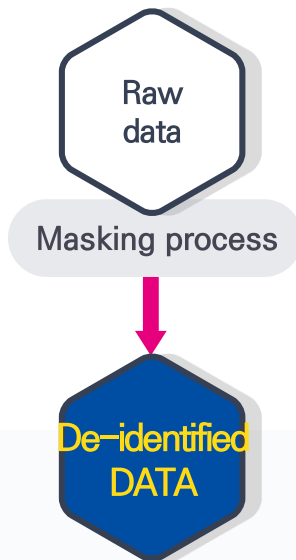
EMPTY

Reason is not valid

# 01 Releasing Data by 'OPEN BY DEFAULT' : Sensitive data

Check for non-disclosure data that contains sensitive data

- ▶ If it contains personal information, guide them to de-identify
- ▶ Social security number, name should be masked and go public



SSN	Sex	Hospitalization Date	Age	Disease
770914-1234567	M	2015/06/23	39	Flu
850930-1234567	M	2015/10/01	31	Flu
710119-2345678	F	2014/01/21	45	High BP
770619-2345678	F	2014/09/23	39	Hepatitis

✓ SSN	Sex	✓ Date	Age	Disease
7*****-1*****	M	2015/**/**	39	Flu
8*****-1*****	M	2015/**/**	31	Flu
7*****-2*****	F	2014/**/**	45	High BP
7*****-2*****	F	2014/**/**	39	Hepatitis





# 02 National Core Data Project

## ■ Data with Nation's priority, high demand from private sector

### 119 Emergency Information Data

- Ambulance transport information, emergency patient first aid information, vehicle information, transported patient status(70,000cases)



119 emergency informa...

Research on emergency situation, trends, efficiency of emergency administration

### Infectious Disease Treatment

- Infectious disease vaccine drug product information, approval information, treatment drug product information, maximum daily does per medication(137,062 cases)



Infectious disease-relat...

Research on health and safety, development of new products in the pharmaceutical fields

### Flood Response Information Data

- Flood response information (Urban flood map, river overflow map) to prevent the loss of life or property damage from 'storm, tidal wave, heavy rainfall'



Utilizing data for navigation services alarming the flood and providing ultimate route / Research on flood prevention

안전한 강, 풍요로운 물!  
한강홍수통제소



수위정보



강수량정보



댐정보



보정보



레이더정보



하천수위동영상



전국수문현황

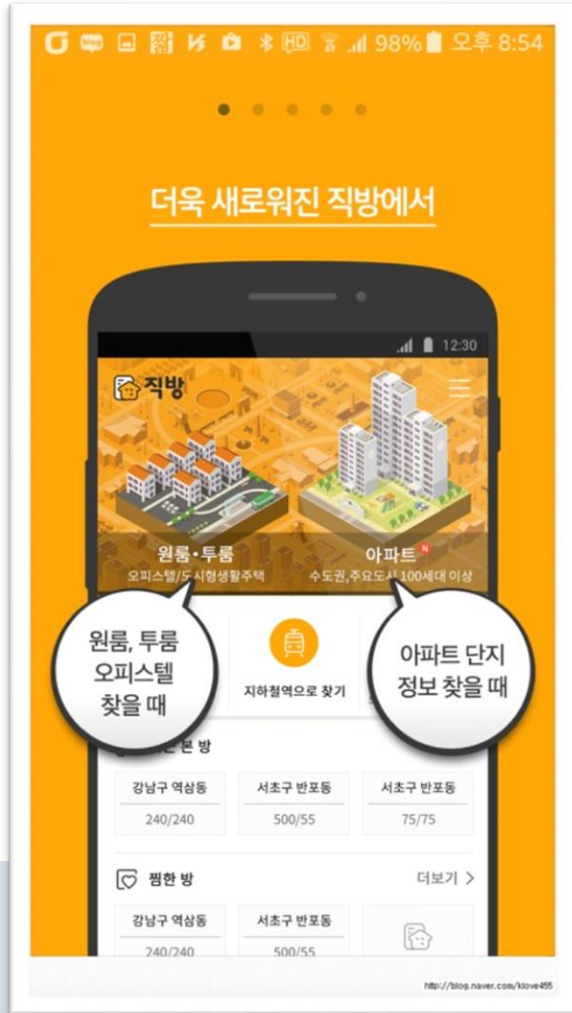


한강수문현황



홍수특보발령

## 02 National Core Data Project



PropTech (Property technology)



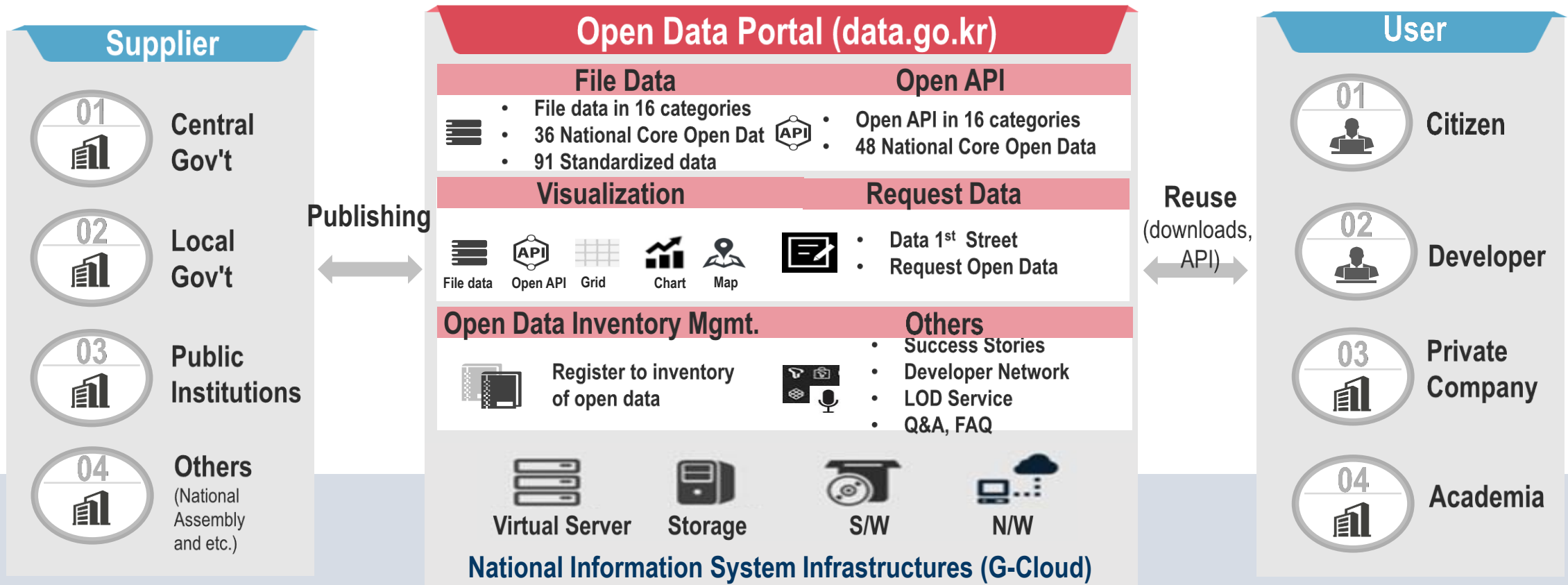
LegalTech (Legal technology)

# Other instruments of Open Government Data

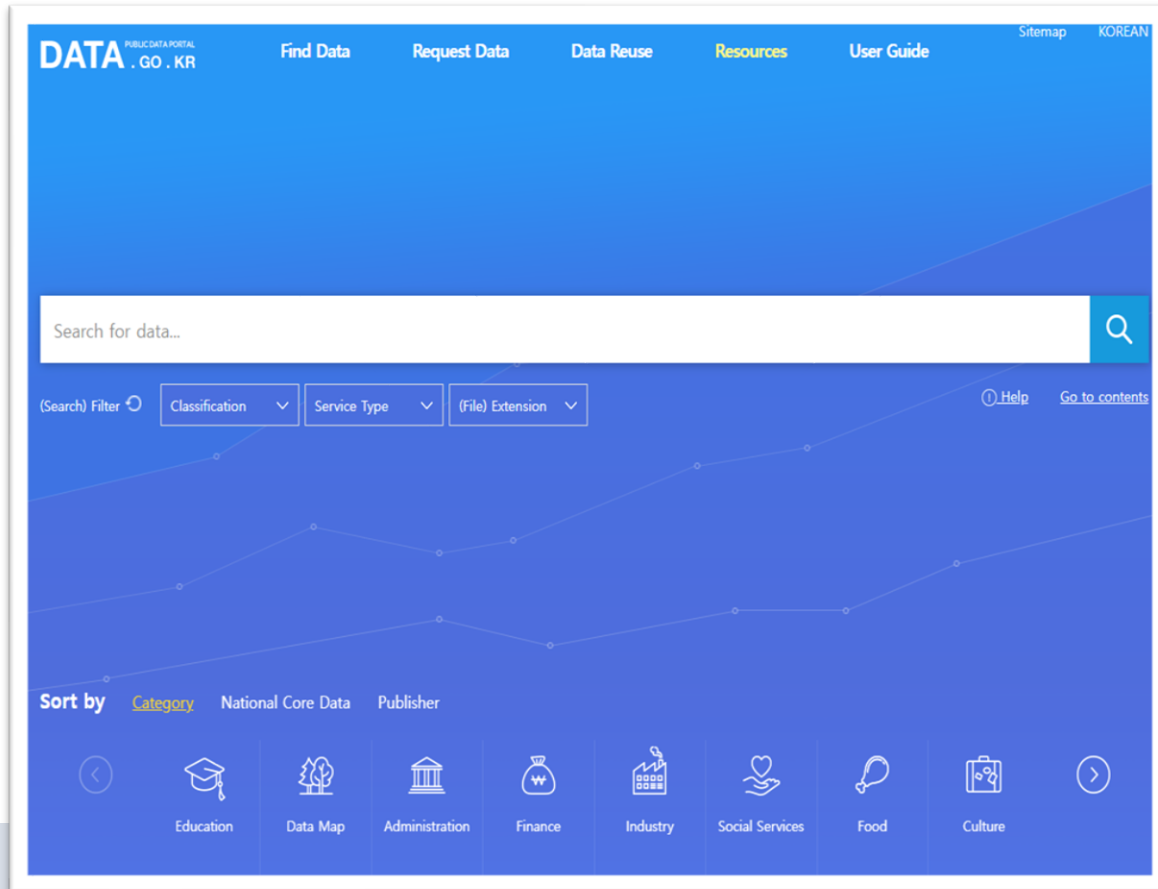


# 01 National Data Portal

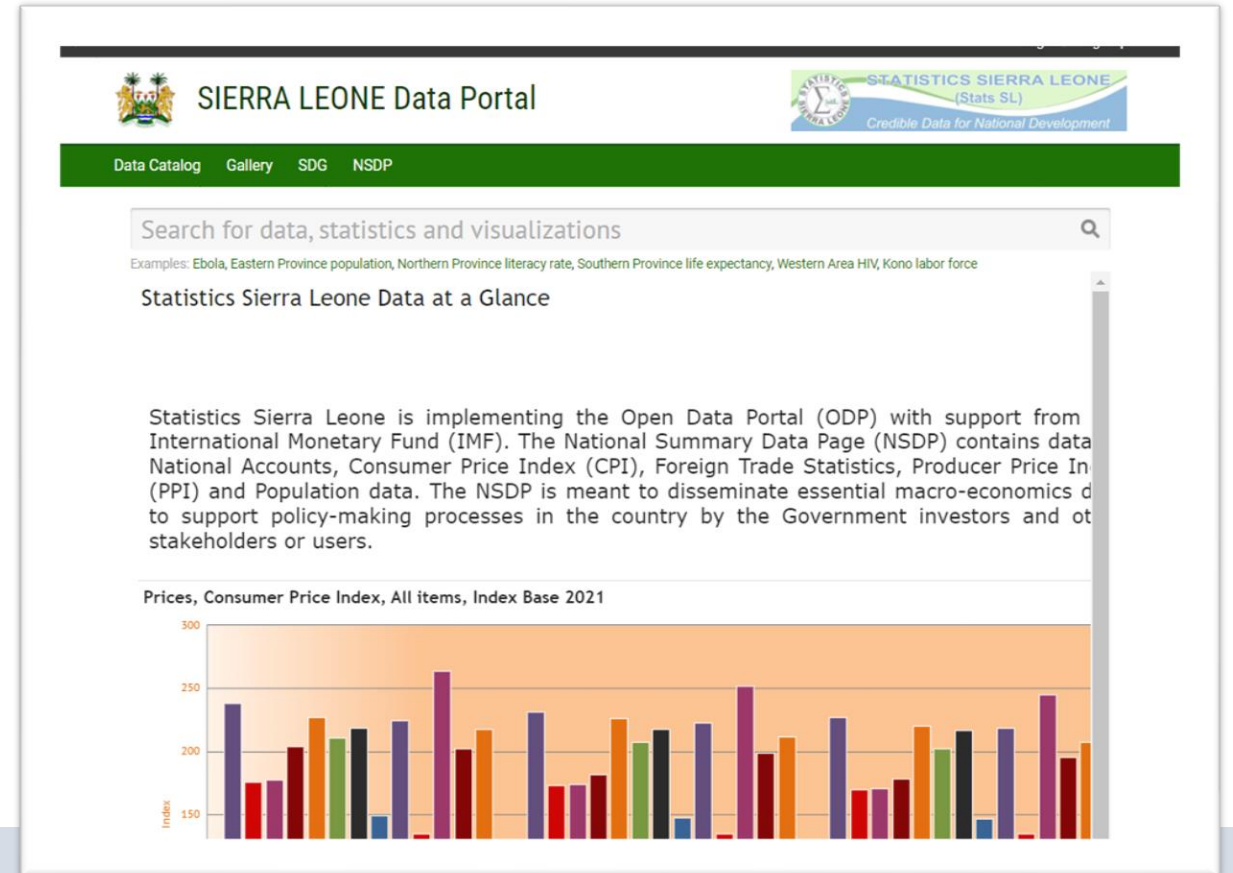
Integrated and central management platform for registering and publishing datasets for all governments and public institutions



# 01 National Data Portal



[www.data.go.kr](http://www.data.go.kr)



[sierraleone.opendataforafrica.org](http://sierraleone.opendataforafrica.org)

### 03 Preventing development of services similar to private sector



National Weather Agency

VS



Small Data Company

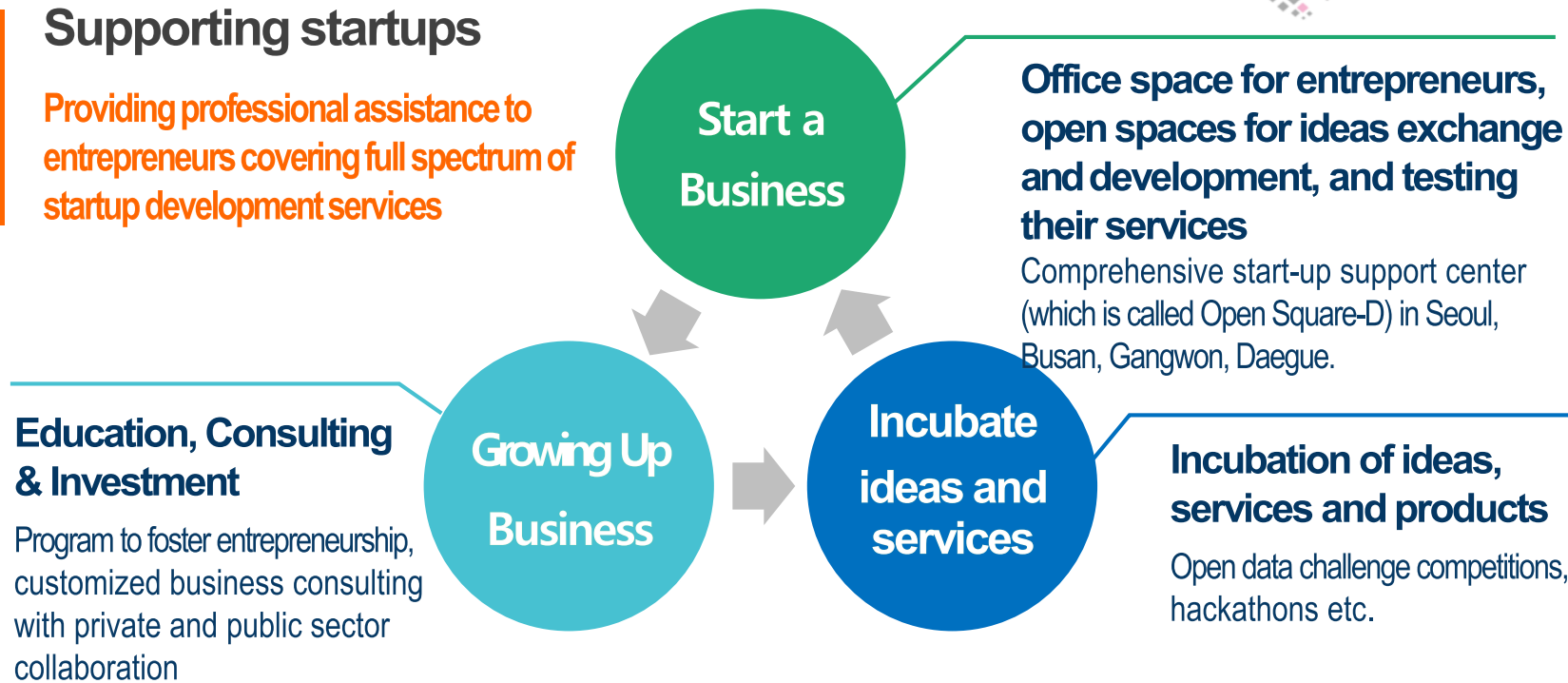
- ☑ **Preliminary Consultation** : adjusting the details of the project to prevent overlapping investment, interconnection, and joint use of informatization projects
- ☑ **Annual extensive research**: Research on All apps on store, website of government bodies
- ☑ **Regular Report**: User can make a report

# 04 Supporting SMEs

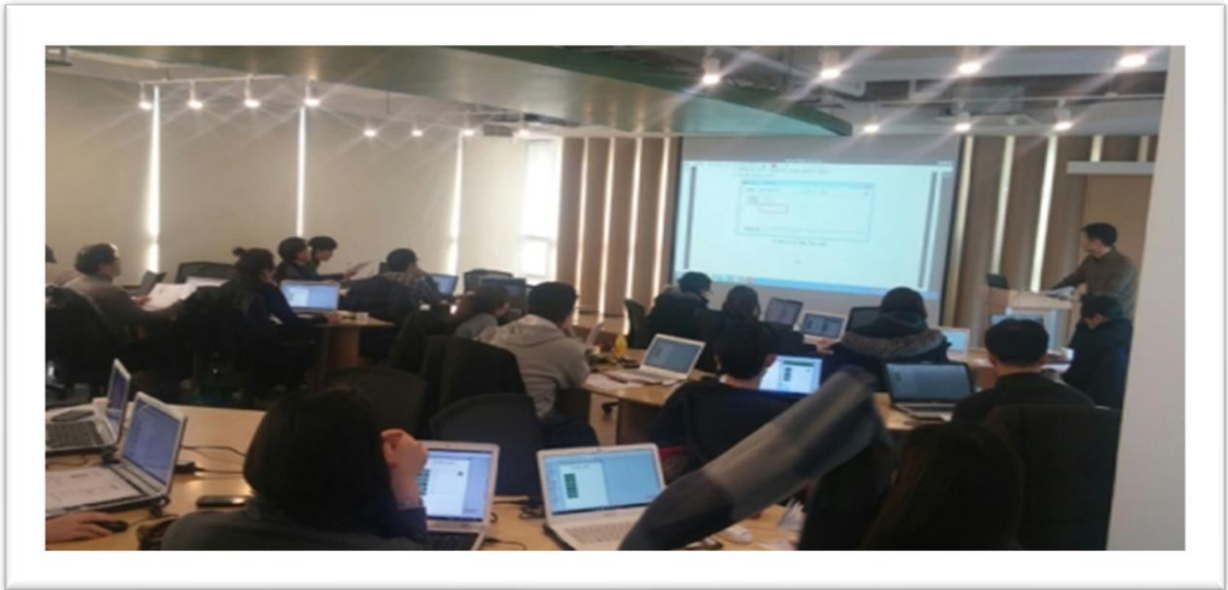


## Supporting startups

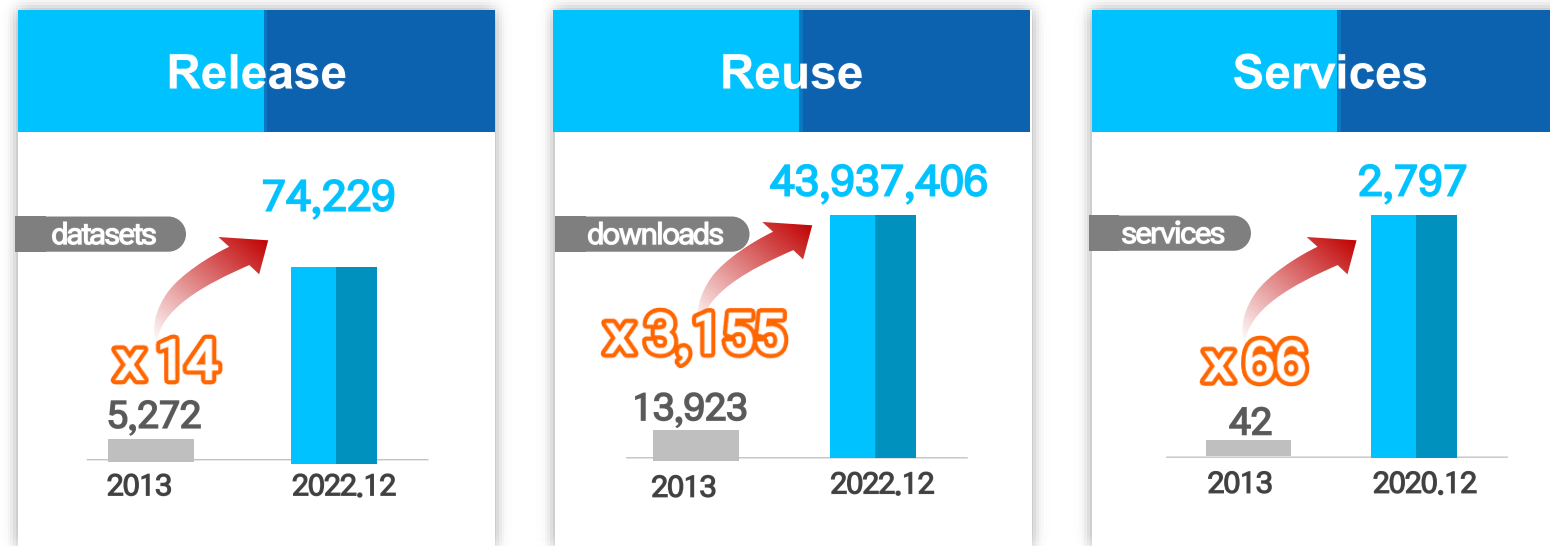
Providing professional assistance to entrepreneurs covering full spectrum of startup development services







# 05 Achievement of Open Data

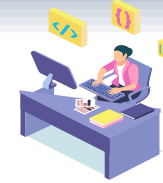


**The 1<sup>st</sup> in the OECD OURdata Index 2023** measuring government efforts on aspects of Data availability, Data accessibility and Government support for data re-use for 4 consecutive times since 2015

# 06 Recommendation

## ☑ Legal and Regulatory Environment

- Establishing necessary legal framework and guidelines
- Establishing adequate institutional governance as a critical success factor for sustainability and continuity



## ☑ Central open data infrastructure

- One stop-shop open government data portal is essential tools to promote data-driven, multi-stake holder collaboration



## ☑ Promoting open data reuse for value co-creation

- Establishing partnership with data users such as Civil society, Business, Academia, and engagement by user group



Open Government Data Policies in Republic of Korea

# Thank you

