

Open Government Data Policies in Republic of Korea

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Brut.
ORIGINAL

Ralph Regenvanu

Minister of foreign affairs,
Vanuatu (2017-2020)

then people are
going to have to move,



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—We are ranked by
the United Nations



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as the country most at risk
of natural hazards in the world.



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And most of that risk
is from climate change,



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climate change-related natural
hazards like tropical cyclones



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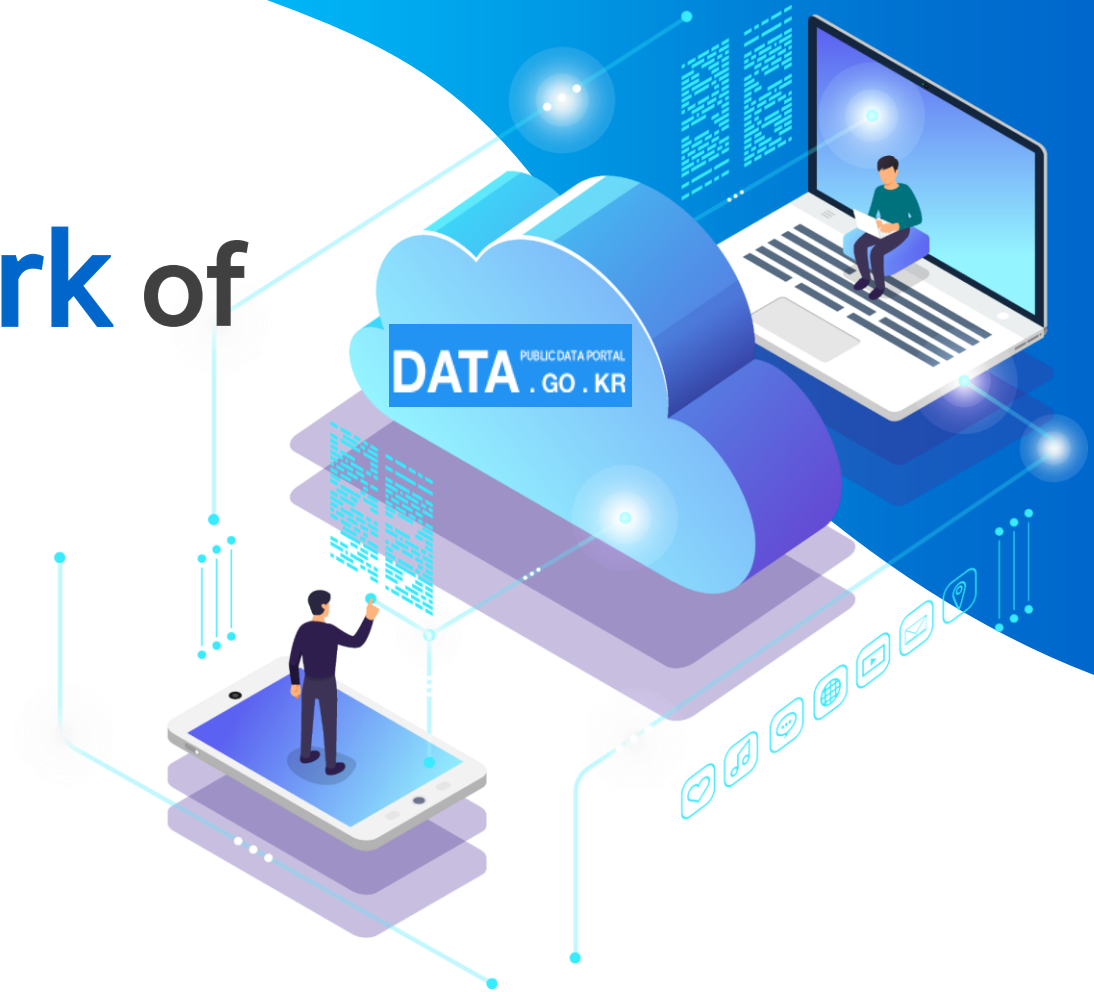
getting stronger
and more frequent,

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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



VANUATU ENVIRONMENT DATA PORTAL

Environmental Information for Decision Making

05 JULY 2021 | PAGE

About

The Environmental Data Portal provides an easy way to find, access and reuse national data. Our main purpose is to provide easy access and safe storage for Environmental datasets to be used for monitoring, evaluating, and analysing environmental conditions and trends to support environmental planning, forecasting, and reporting requirements at all levels. We encourage you to use publicly available government data to analyse and develop tools and applications to benefit all citizens.

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.



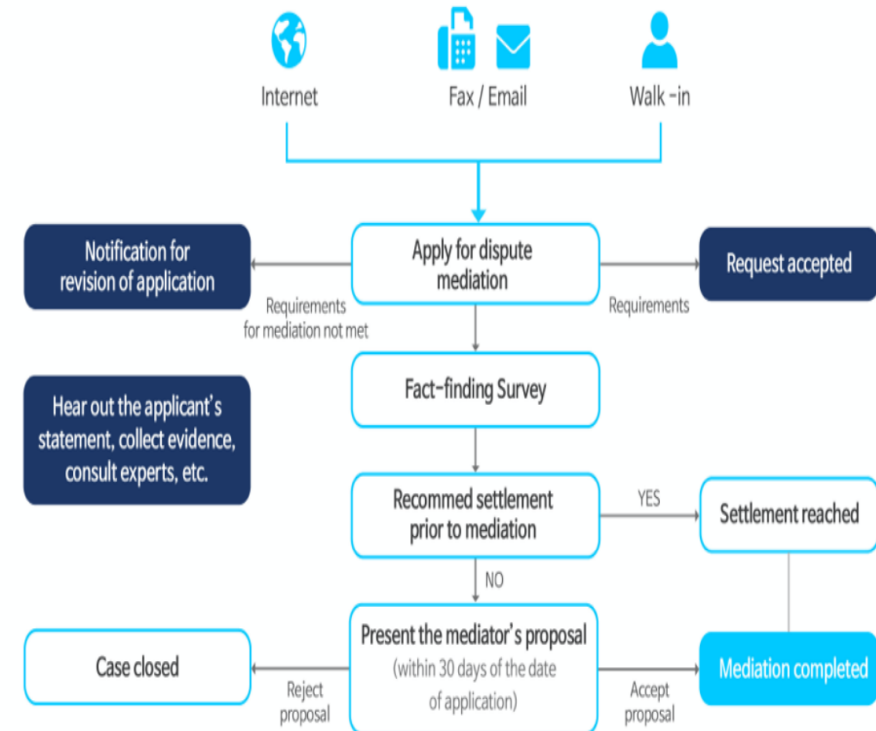
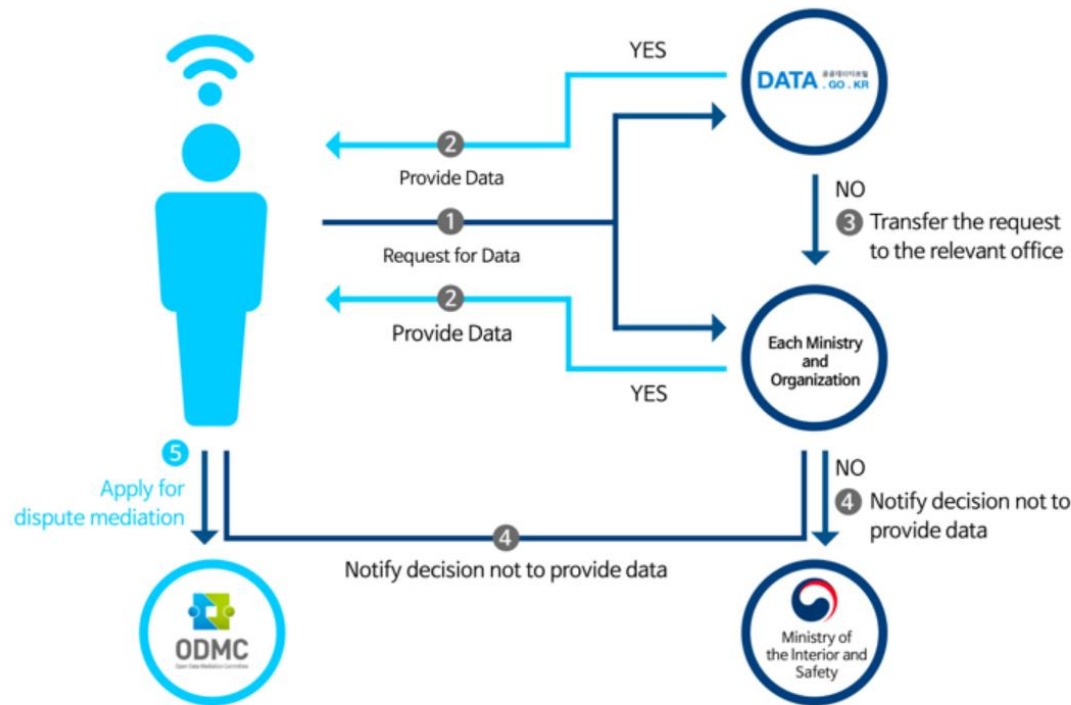
- **NIA (main institution in charge of OGD to support design and implementation of policy/strategies):** The open data center within NIA to support an OGD release and reuse of all governments and institutions



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

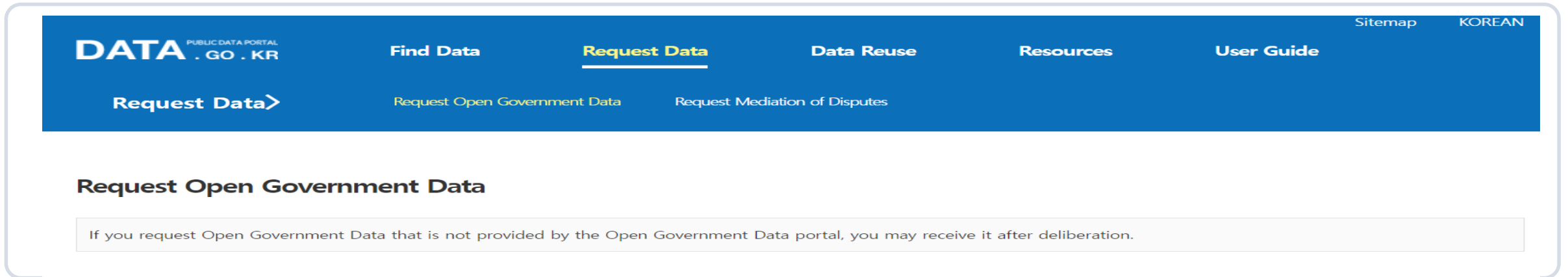
01 Governance Framework : Open Data Mediation Committee

- 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



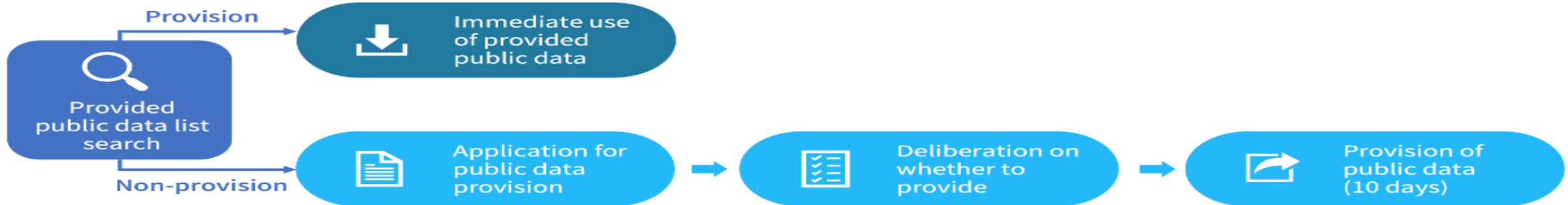
01 Governance Framework : Open Data Mediation Committee

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



The screenshot shows the top navigation bar of the DATA.GOV.KR website. The logo 'DATA . GO . KR' is on the left, with 'PUBLIC DATA PORTAL' in smaller text above it. The navigation menu includes 'Find Data', 'Request Data' (highlighted with a yellow underline), 'Data Reuse', 'Resources', and 'User Guide'. On the right, there are links for 'Sitemap' and 'KOREAN'. Below the navigation bar, there are two sub-links under 'Request Data': 'Request Open Government Data' and 'Request Mediation of Disputes'. The main content area is titled 'Request Open Government Data' and contains a text box stating: '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



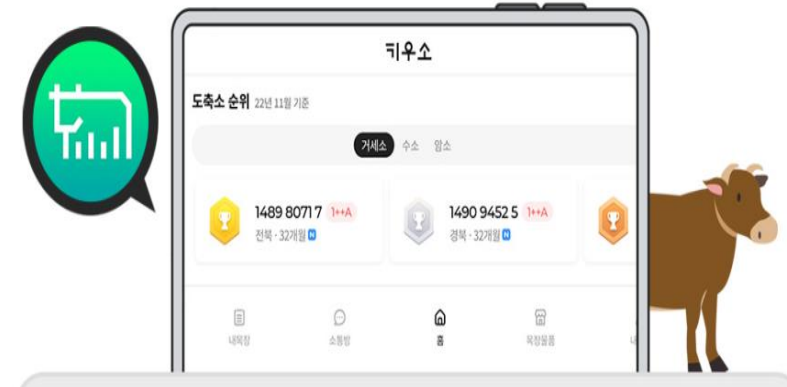
Location of fire accident(deleting room number)

Data of facilities for the disabled



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

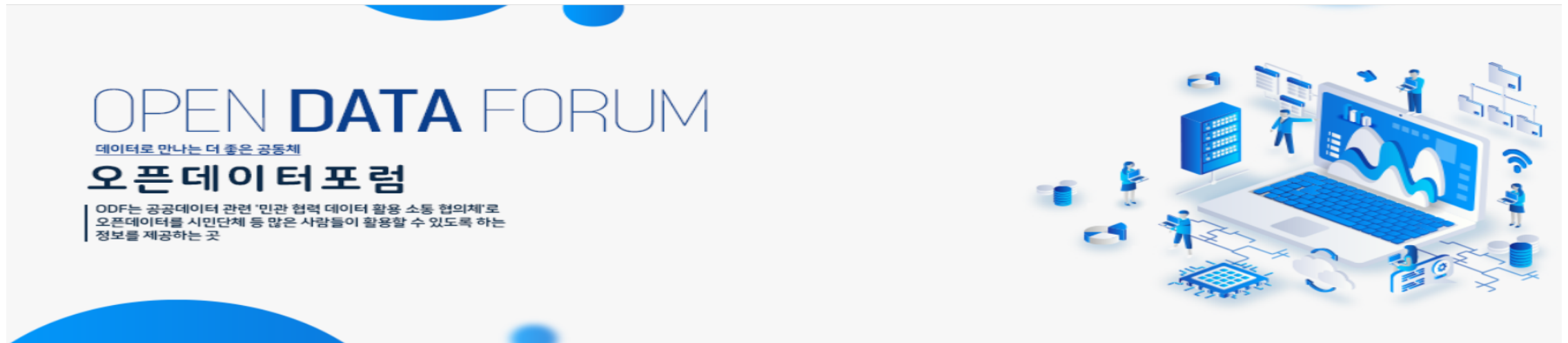
Historical Data of Cow



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



Examining Disaster Safety through Open Data

열린세미나 [7월 열린세미나] "선거관..."

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

2022.07.18 ~ 2022.07.28



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

Law and Master Plan of Open Government Data

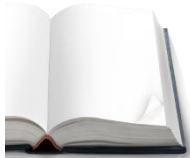


01 Purpose and instruments of Open Government Data Law

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)

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

Implementation Plan (Yearly)

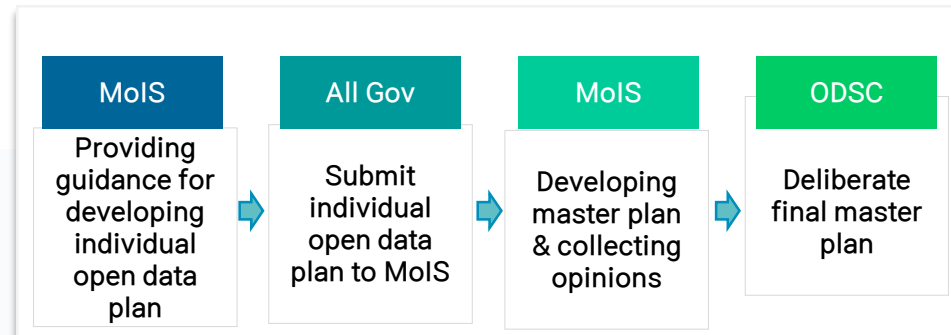
- Open Data Implementation Plan (2014~)
- Annual National Core (open government) Data Release Plan (2015~)

02 Process of developing 4th Open Data Mater Plan

Overall

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

Process



Progress

-
- 5 Meeting with private sectors from all sectors
 - 5 Held public seminars through ODF
 - 6 Deliberation of working committee(vision)
 - 7 Deliberation of ODSC(vision & direction)
 - 7 Public survey through data portal
 - 7 Provision of guidance for developing plan
 - 8 Collecting opinions from all institutions
 - 8 Briefing session for all institutions
 - 9 Submission of individual open data plan
 - 10 Developing master plan on the basis of individual one
 - 10 Collecting opinions for draft
 - 12 Deliberation of final master plan by ODSC

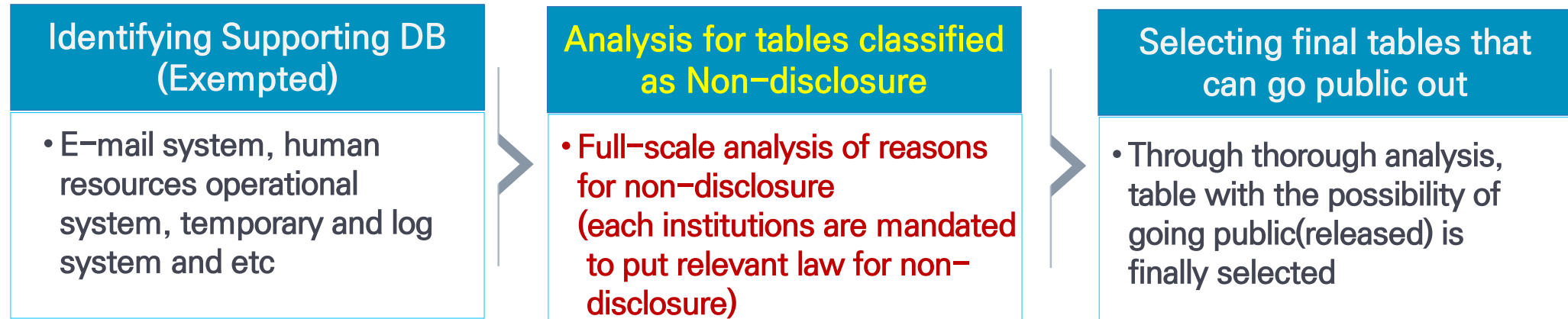
Main Projects of 4th Open Data Master Plan

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
Total	585	14,121	56,738	308,485	157,887

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

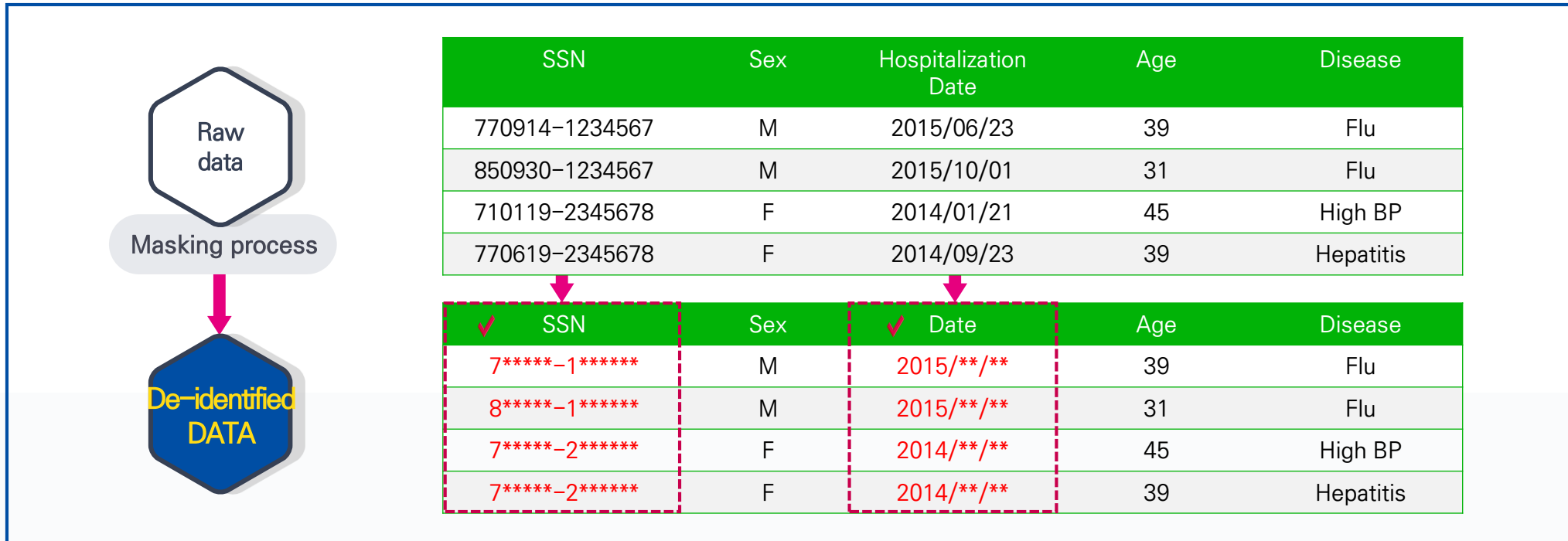
EMPTY

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



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

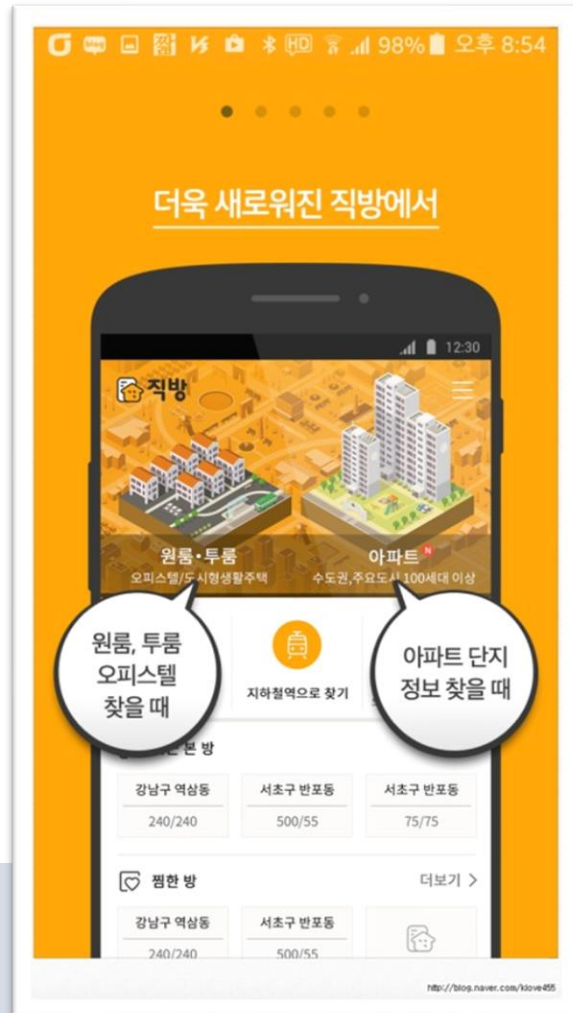


한강수문현황



홍수특보발령

02 National Core Data Project



PropTech (Property technology)



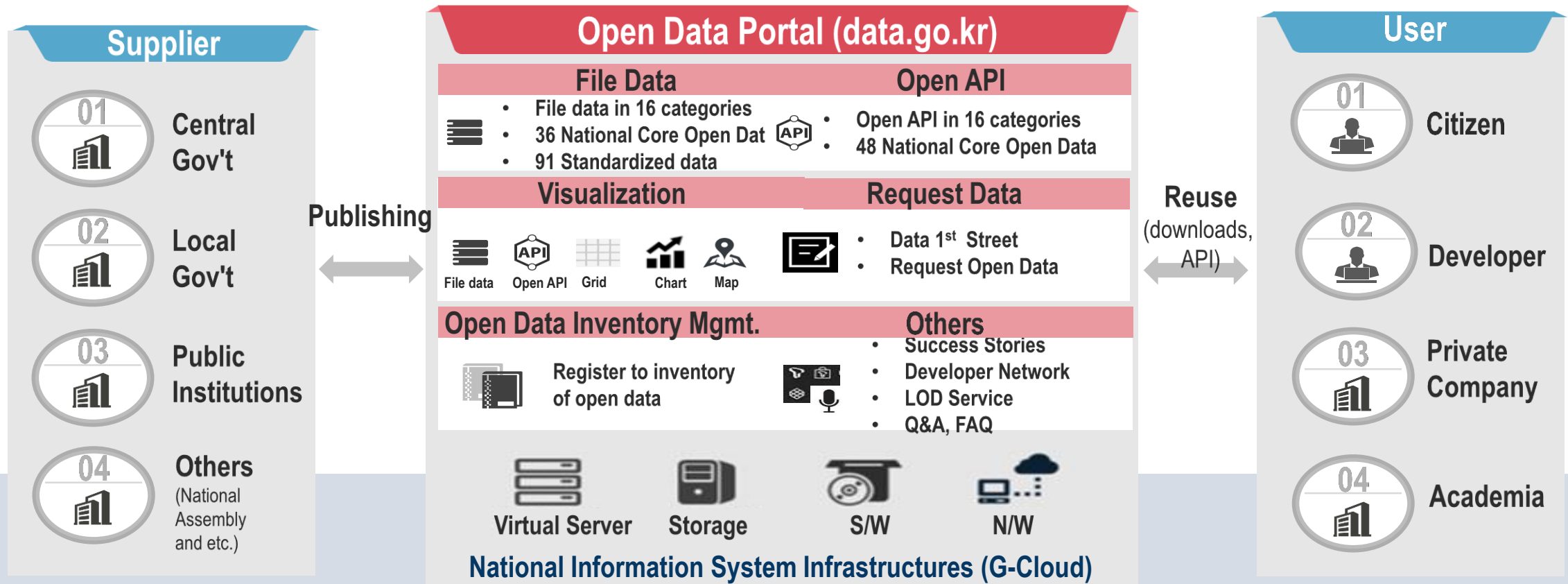
LegalTech (Legal technology)

Other instruments of Open Government Data

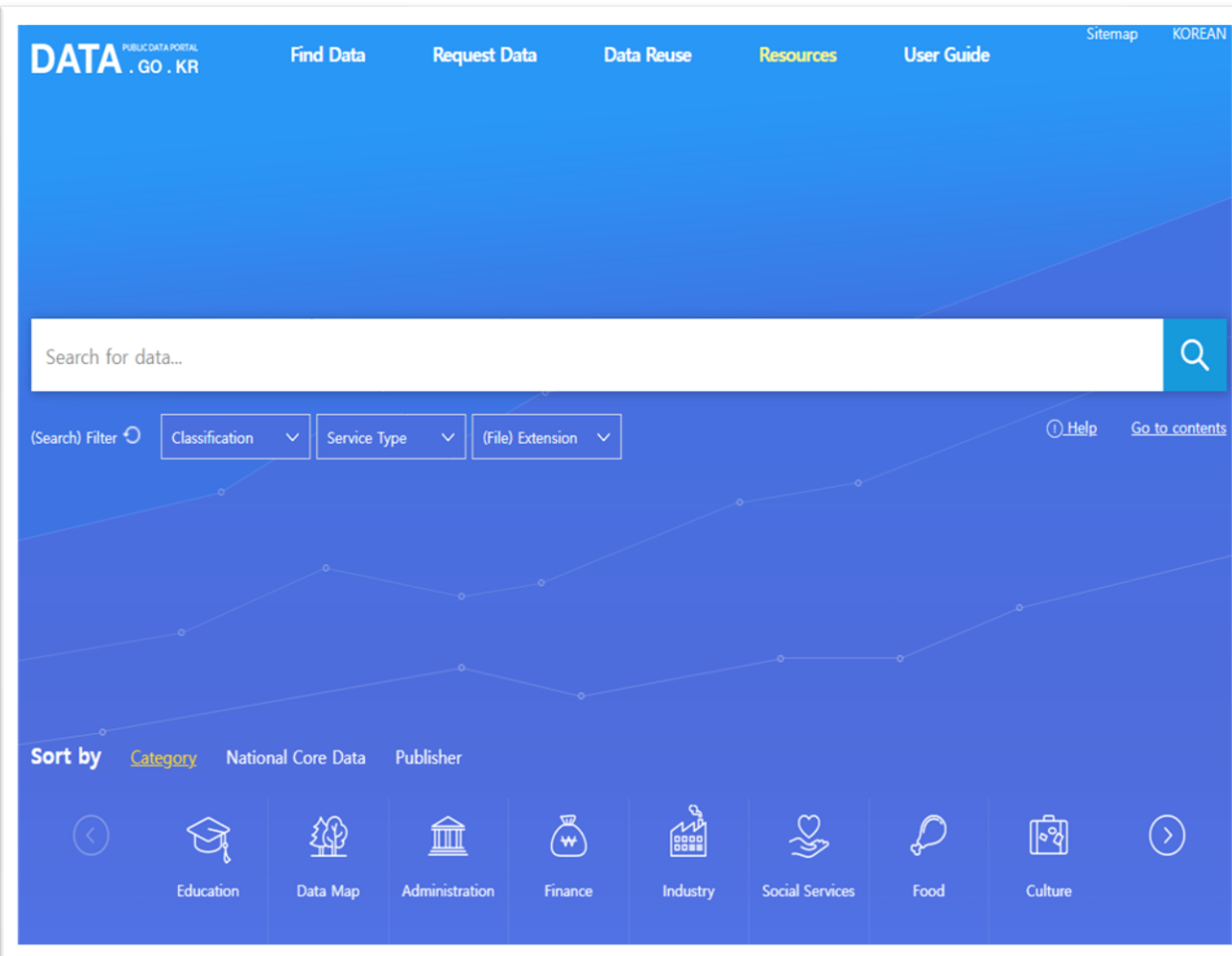


01 National Data Portal

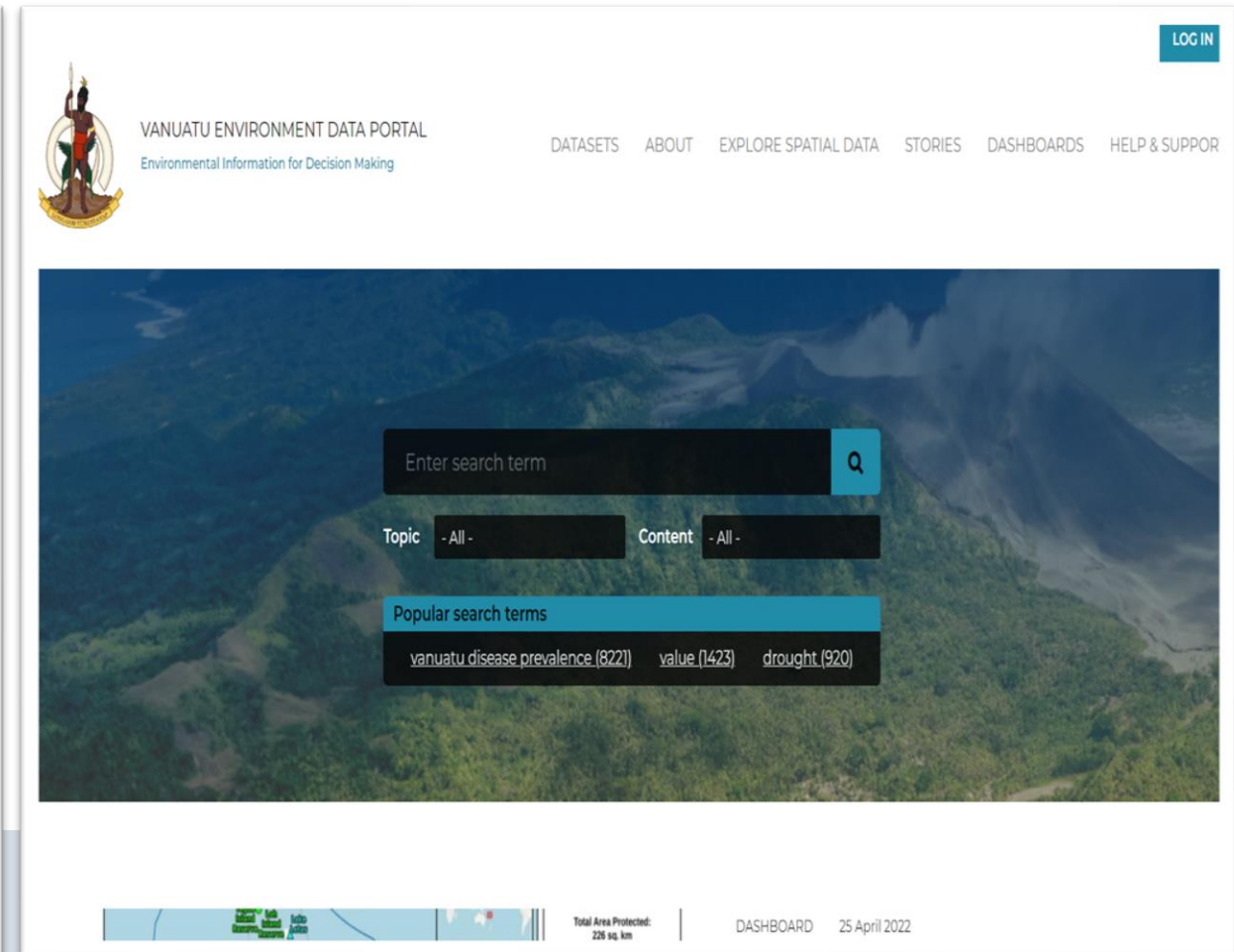
Integrated and central management platform for registering and publishing datasets for all governments and public institutions



01 National Data Portal



www.data.go.kr



vanuatu-data.sprep.org

03 Preventing development of services similar to private sector



National Weather Agency

VS



Small Data Company

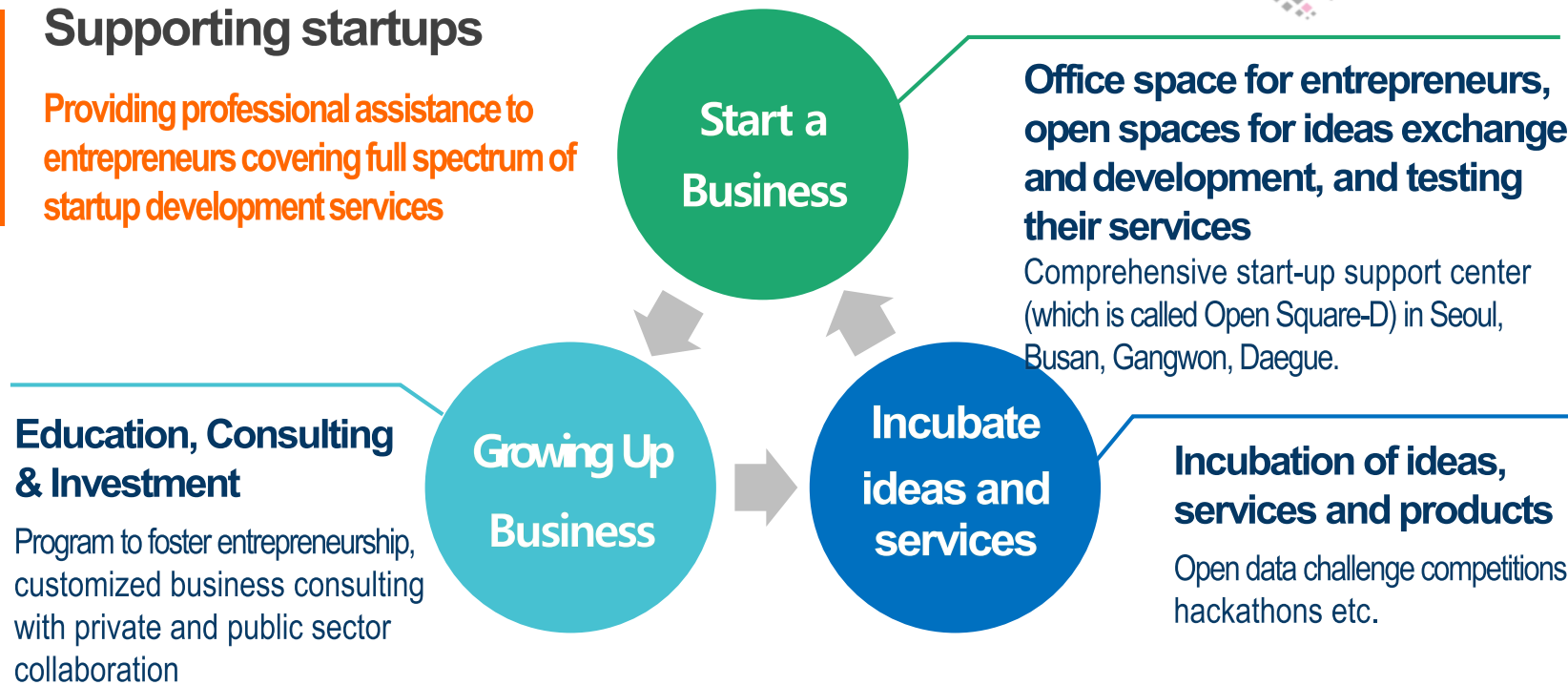
- ☑ **Preliminary Consultation** : adjusting the details of the project to prevent overlapping investment, interconnection, and joint use of informatization projects
- ☑ **Annual extensive research**: Research on All apps on store, website of government bodies
- ☑ **Regular Report**: User can make a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

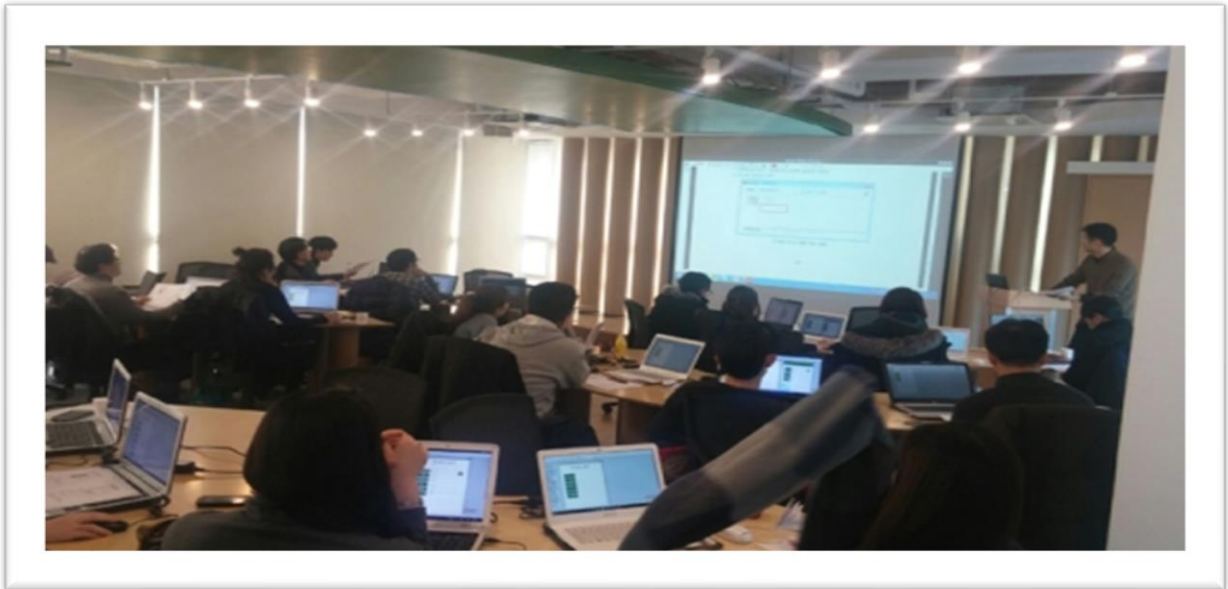
04 Supporting SMEs



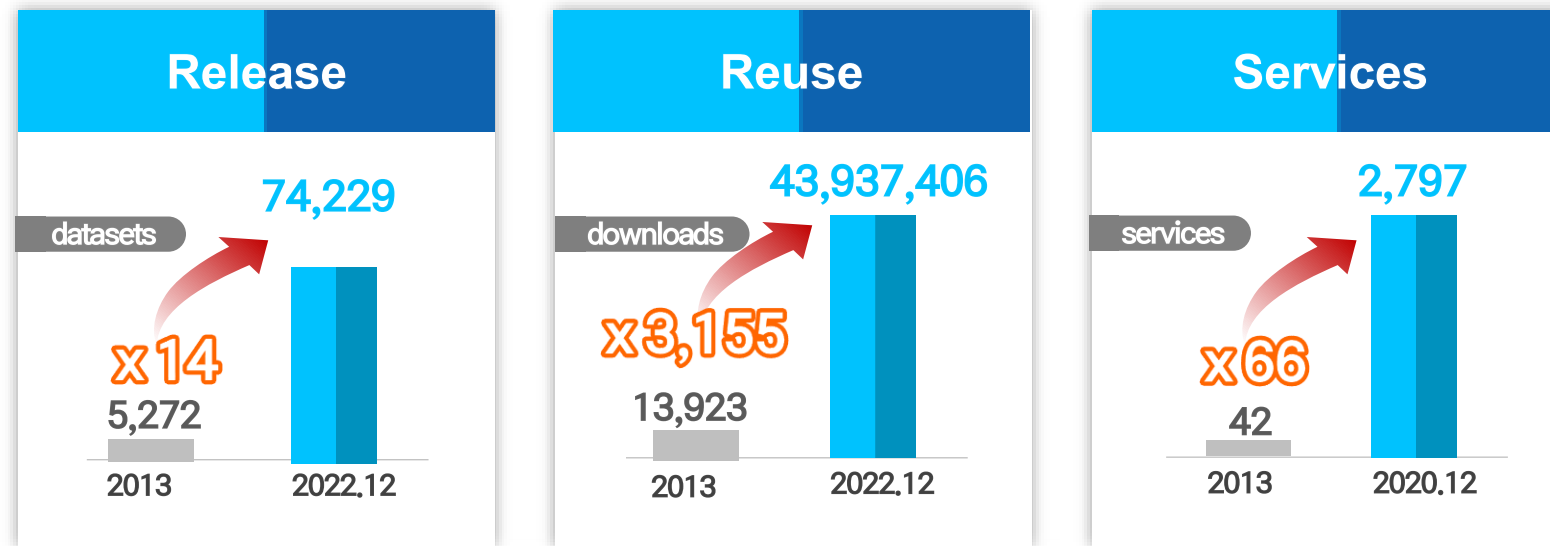
Supporting startups

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





05 Achievement of Open Data



The 1st 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



IBM 1401 및 도입과정

IBM 1401은 IBM사에서 1959년 10월에 발표된 메인프레임 컴퓨터이다.

IBM 1401은 모든 주기억장치 용량이 16KC(Kilo Character Kilo Byte)에 불과, 성능 면에서 1980년대 개인용 컴퓨터인 IBM PC/XT에도 못 미쳤지만 크기는 캐비닛만한 본체와 여러 대의 보조기억장치, 인쇄장치, 향온향습기 등 부대장비가 따르는 엄청난 규모였다. 경제기획원 통계국이 인구센서스 통계업무에 활용하기 위해 출시한 지 8년이나 지난 IBM 1401을 선택하게 된 것은 당시 최신 기종인 S/370의 경우 주문이 밀려 도입까지 1년 반이라는 시간이 소요될 것으로 예측되었기 때문에, IBM 영업대표는 경제기획원 관계자들에게 잠정적으로 IBM 1401을 도입하도록 권유했고 경제기획원 관계자들이 이 권유를 받아들였다(한국아이비엠 25년 발자취).

통계국은 IBM 1401을 월평균 400~500시간씩 사용하면서 간이 인구센서스자료를 처리하다가 동 1년 반 만인 1968년 12월 당초 예정했던 S/370(모델 40)로 대체하였다.



IBM 1401이 최초 도입된 당시 경제기획원 조사통계국

Open Government Data Policies in Republic of Korea

Thank you

