

Open Government Data Policies in Republic of Korea

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CONTENTS

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



Governance Framework of Open Government Data



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



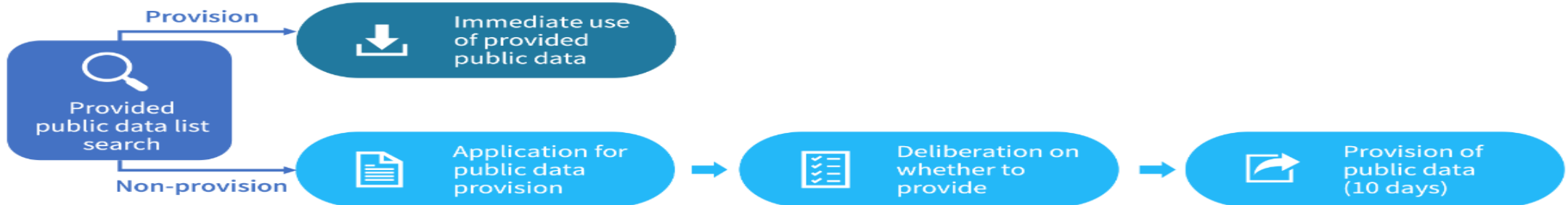
- **ODMC (mediation of disputes):** mediate disputes for release of open gov't data refused or suspended by public institutions

01 Governance Framework : Open Data Mediation Committee

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

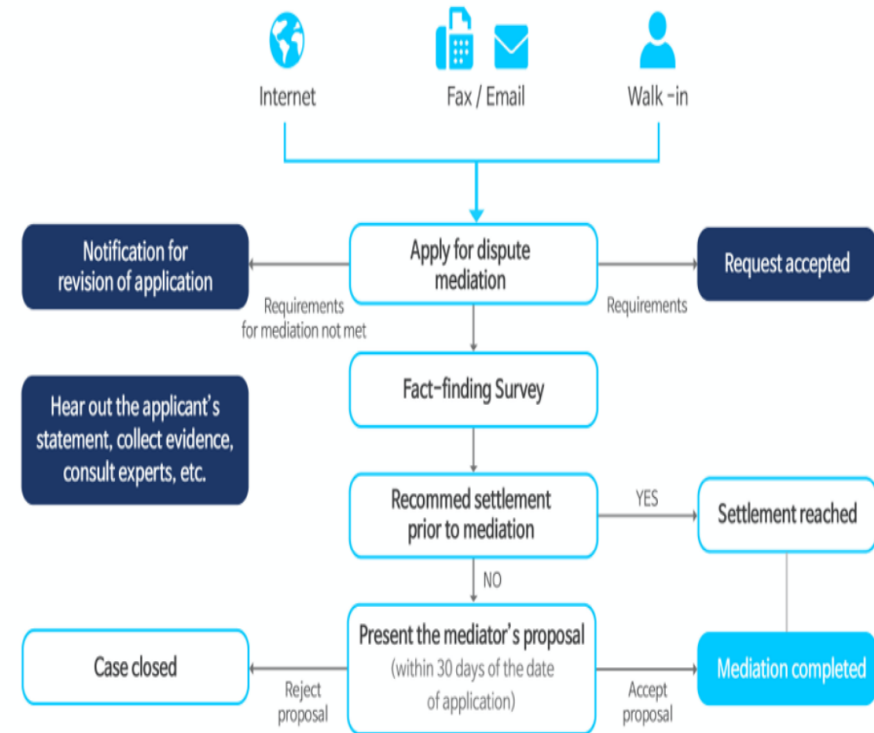
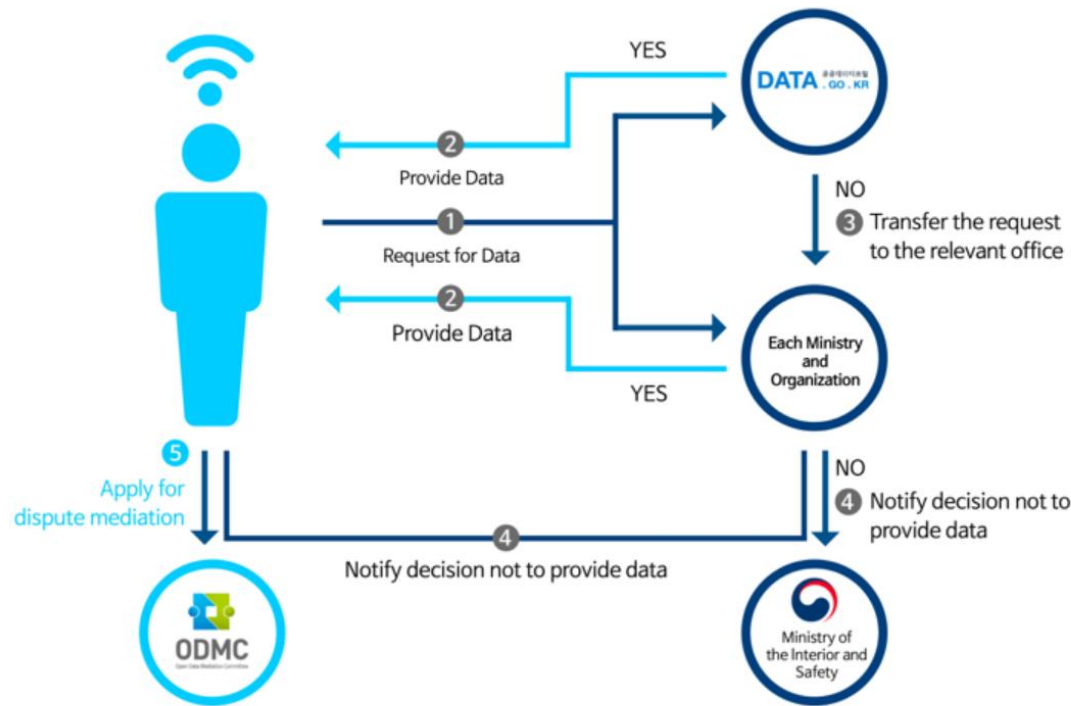
The screenshot shows the top navigation bar of the DATA.GO.KR website. The logo 'DATA . GO . KR' is on the left, with 'PUBLIC DATA PORTAL' in smaller text above it. The navigation menu includes 'Find Data', 'Request Data' (highlighted with a yellow underline), 'Data Reuse', 'Resources', and 'User Guide'. In the top right corner, 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 has a heading 'Request Open Government Data' and a text box that reads: '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 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 Cases of Open Data Mediation Committee

Data of fire accident



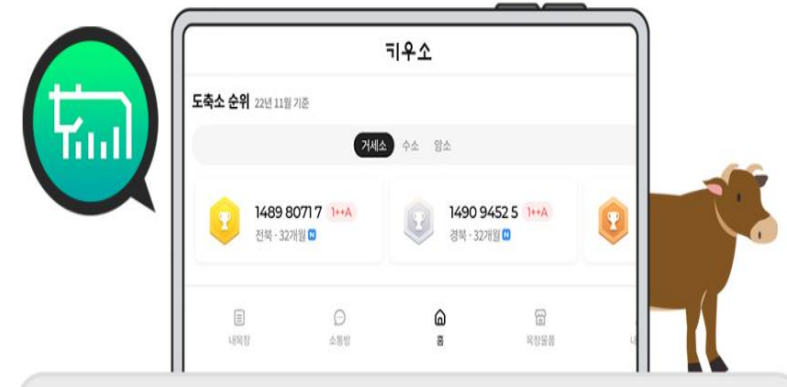
Location of fire accident(deleting room number)

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



열린세미나 [ODF 5월 열린세미나]...

이번 오픈데이터포럼(ODF)은 그동안 공공데이터



열린세미나 [ODF 9월 열린세미나]...

2021년 9월 열린세미나를



열린세미나 [ODF 6월 열린세미나]...

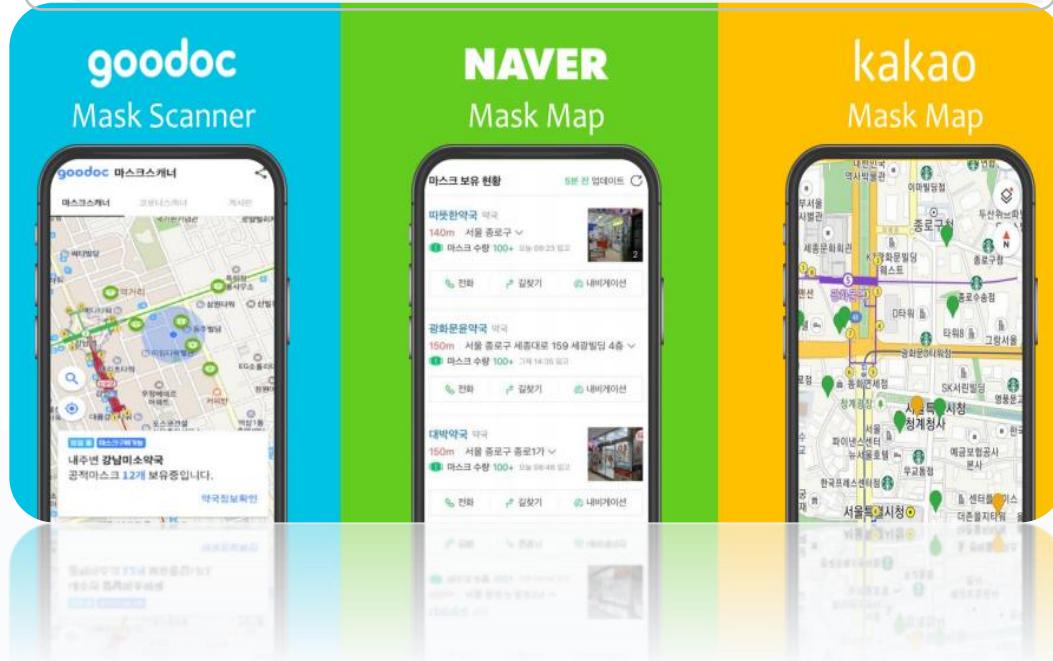
2021년 오픈데이터포럼 첫 세미나를

01 Governance Framework : Public-Private Partnership

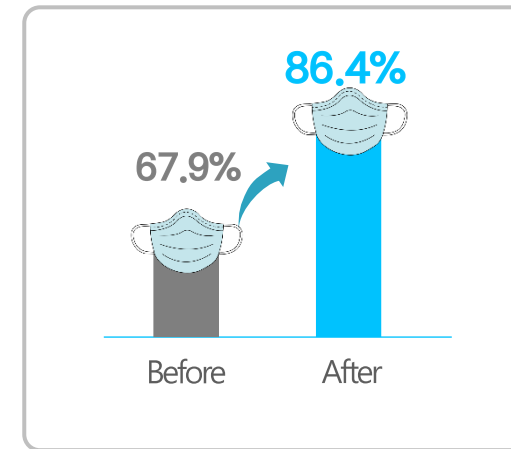


Mask Apps/webs

- 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

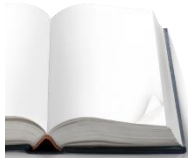


01 Purpose and instruments of Open Government Data Law

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

03 Goals of 4th Open Data Mater Plan

Expansion of releasing and utilization of OGD to realize the digital platform government

- Releasing all open government data produced by administrative and public bodies in a **negative manner**(allow everything unless prohibited in the law)
- Releasing datasets with high demand such as disaster, environment, science and tech by diversifying the method

Solving social issues with OGD and strengthening support for public-private partnerships

- To prepare for the future for ESG and to contribute to solving social issues
- Expanding business opportunities using OGD through customized support for startups and SMEs at each growth stage

Revision of Open Data act

- In the 10th year of the law's implementation, open data law would be revised to revitalize the open data ecosystem from creation to utilization

Beyond the efforts and achievements of the past 10 years, focus on pan-government and ministries' policy capabilities to drive data policies for next 10 years

03 Vision of 4th Open Data Mater Plan

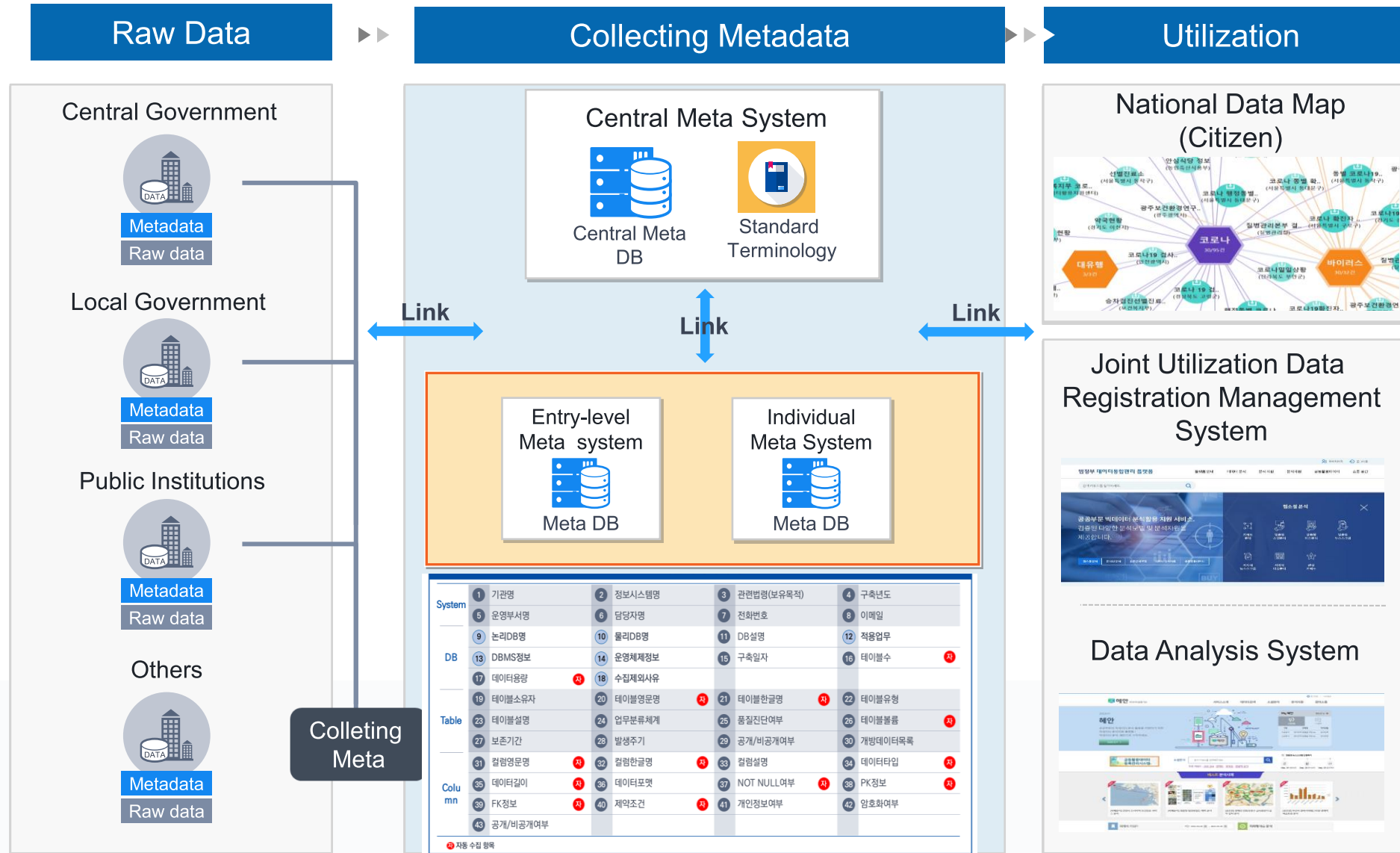
Vision	Releasing and connecting ALL DATA for the realization of digital platform		
Objective	[Citizen] Releasing integrated, preemptive, customized data	[Business] New opportunities through data	[Gov] Implementing data-driven scientific administration
Strategy	[Release] Fully releasing open government data that has not been released in a negative manner	[Quality] Strengthening quality control and standard application to enhance practical use of data	
	[Utilization] Facilitating the use of data through public-private cooperation	[Infra] Strengthening the foundation for revitalizing the ecosystem from production to utilization	
Main Task			
Re lease	<ul style="list-style-type: none"> ① Promote full release of unopened data in a negative manner ② Paradigm shift to user-centric data ③ Expanding datasets in a variety of area 		Qua lity
Util	<ul style="list-style-type: none"> ① Implementation of platform for data convergence and analysis ② Expanding customized support for companies ③ Strengthening partnerships with local, civil society and private sector to solve social issues 		Infra
			<ul style="list-style-type: none"> ① Introduction of a quality certification system and expansion of data standards ② Provides tools to support compliance with government-wide standard
			<ul style="list-style-type: none"> ① Revision of open data law ② Strengthening global cooperation ③ Promotion of public data literacy

Main Projects of 4th Open Data Master Plan

Part 1. Releasing Data



Integrated Data Platform



01 Releasing Data by 'OPEN BY DEFAULT'

▶ Fully releasing except as stipulated by law as non-openable(national security issue)

- ✓ Reason for non-disclosure : Corporate Secret(29.5%), Personal Information(11.8%), Secret(8.6%)
- ✓ Data classified non-disclosure as “personal information, management secret” are intensively reviewed
- ✓ Appropriateness of the reasons for non-disclosure will be reported to ODSC

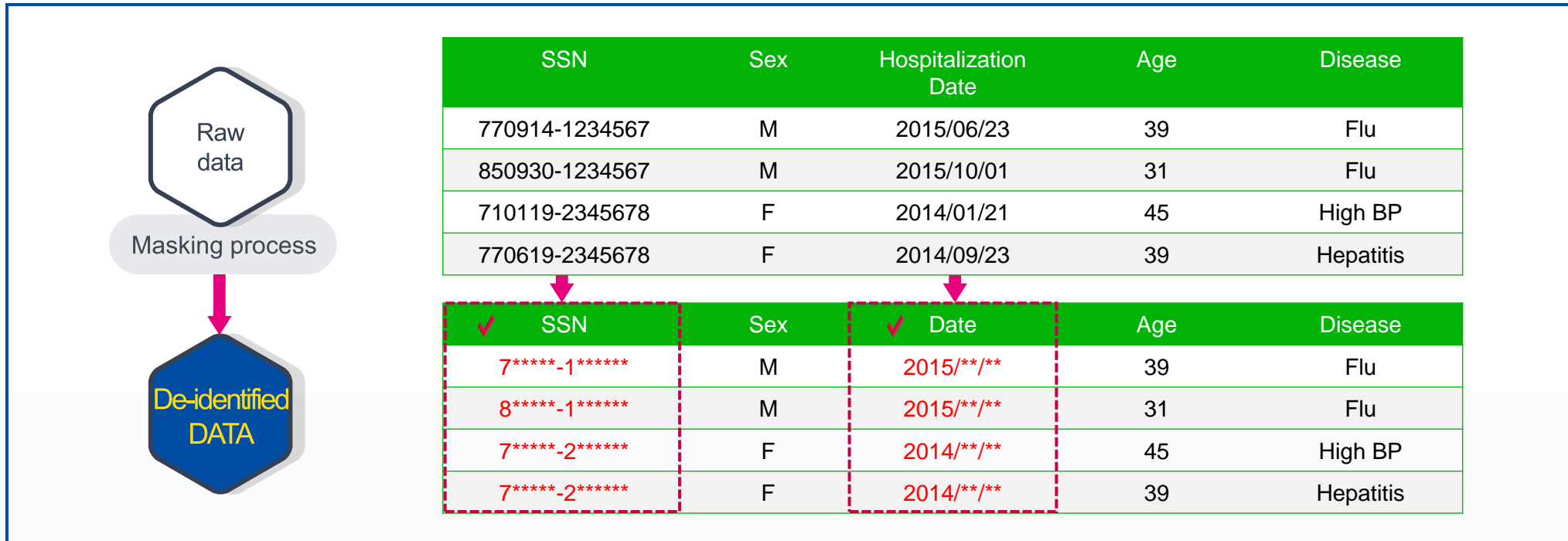
Key directions for non-disclosure

- Sensitive data including personal information should go public by de-identification or convert it into statistical data
- Data that contain confidential management and business information shall be released to the degree of infringement of legitimate interest

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 True or False API service

- BUSINESS REGISTRATION NUMBER
'Is it True or False ?



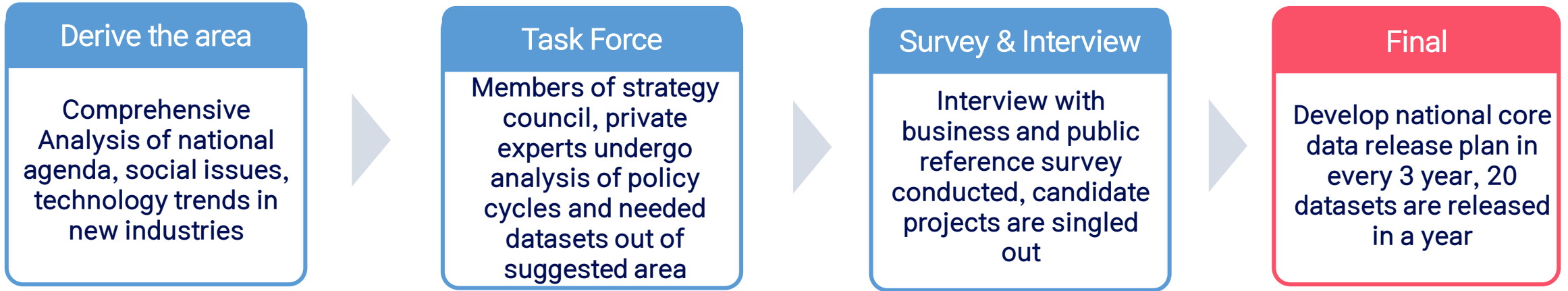
- Train Ticket NUMBER
'Is it True or False ?



New Paradigm for Releasing Datasets which raw data can't be released

03 National Core Data Project

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



Analysis of global report and frequency of keywords on issues

① 주제영역 후보 키워드

주제영역	후보 키워드	신산업 기술 트렌드	주요 사회현안
국정과제	사회복지, 일자리, 자용, 공공	신산업 기술 트렌드	주요 사회현안
중장기 전략	스마트, 디지털, 헬스, 케어, 안전, 환경	신산업 기술 트렌드	주요 사회현안
중기 전략	신재생 에너지, 스마트, 산업	신산업 기술 트렌드	주요 사회현안
중단기 전략	신재생 에너지, 스마트, 산업	신산업 기술 트렌드	주요 사회현안
중단기 전략	신재생 에너지, 스마트, 산업	신산업 기술 트렌드	주요 사회현안

② 신산업 기술 영역

신산업 기술 영역	신산업 기술 트렌드	주요 사회현안
신산업 기술	신산업 기술 트렌드	주요 사회현안
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신산업 기술	신산업 기술 트렌드	주요 사회현안

③ 사회 현안-주요 영역

사회 현안-주요 영역	주요 사회현안
사회 현안-주요 영역	주요 사회현안
사회 현안-주요 영역	주요 사회현안
사회 현안-주요 영역	주요 사회현안
사회 현안-주요 영역	주요 사회현안
사회 현안-주요 영역	주요 사회현안

《 예시 : 생활환경분야 미세먼지 정책주기별 필요 데이터 》

단계	발생원인	측정	대응(예방, 예측 포함)
연관 데이터	발전소 배출현황 자동차 배출가스 비산먼지 사업장 골목 대기오염물질 냉매사용정보 ...	지역별 미세먼지 다중이용시설 실내공기질 도로변 미세먼지 국의 유입 대기 측정 ...	비상 저감조치 발령 현황 스마트클린서비스센터 미세먼지 저감 숲 국민행동요령 ...

※ 식별된 데이터 중에서 미개방된 데이터는 국가 중점개방 데이터에 포함하여 개방 추진



제3차(20~22) 「국가 중점개방 데이터」 개방계획

2019. 12. 24.

관계부처 합동

03 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

Air Pollutant Emissions

- Air pollutant emission on workplaces that use national air emission management system, information on the number of emission facilities and prevention facilities



Air Pollutant Emissions ...

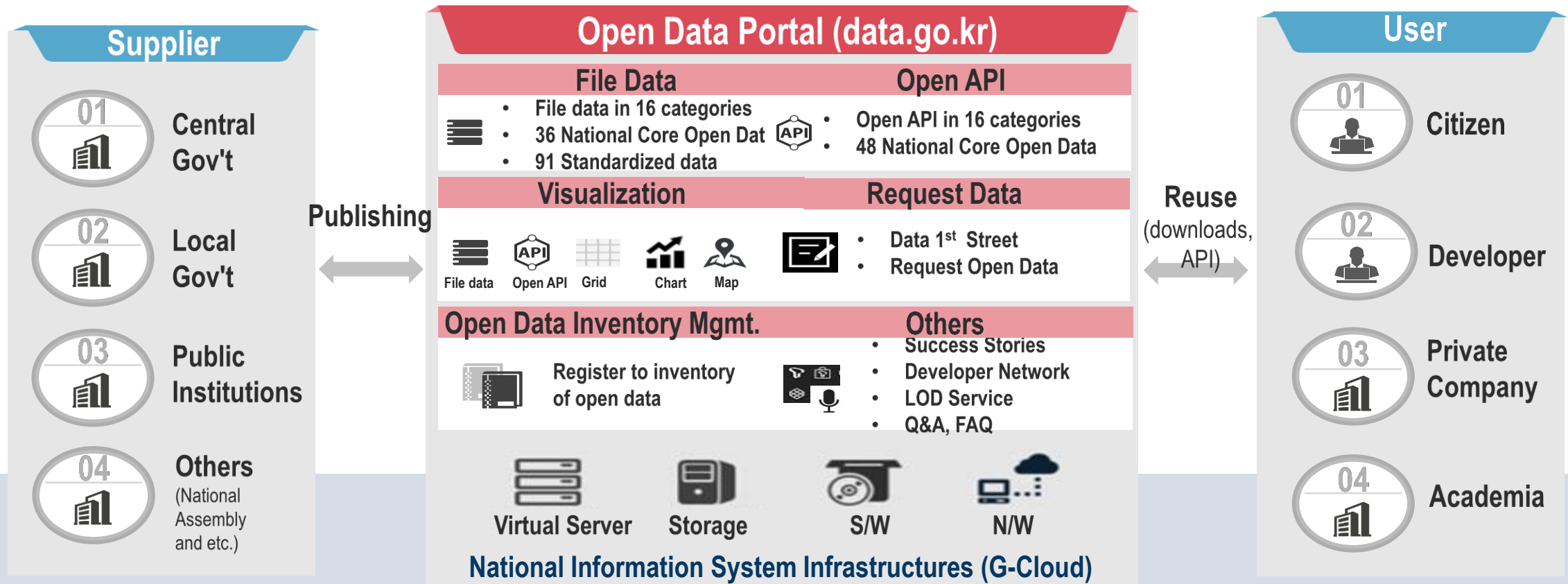
creating new business models like production of eco-friendly products / respiratory products

Other instruments of Open Government Data(law)



01 National Data Portal

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



02 Evaluation of Open data operation and management

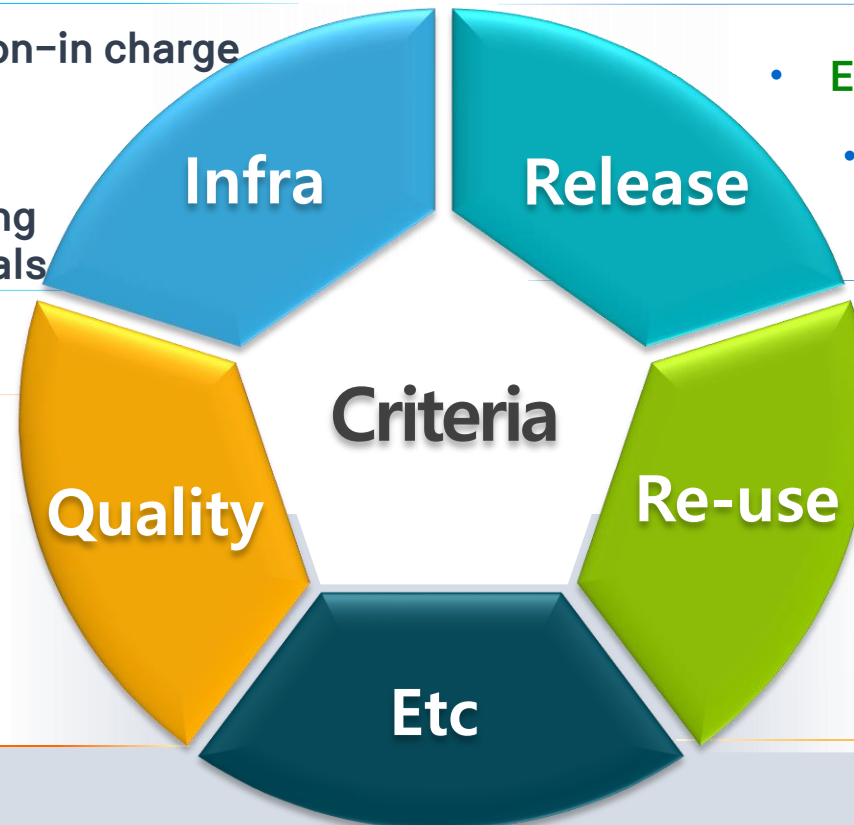
Purpose

To improve Open Government Data policy by identifying the overall status of open data provision and operation and feedback to policy improvement

Eligibility

Public institutions (except for the National Assembly, courts, the Constitutional Court and the National Election Commission)

- Designation of person-in charge
- Data Budget
- Educating and training of government officials



- Efforts of releasing New data
- Linking metadata
- Open format / update

- Data and DB quality

- Re-use of data
- Support data startup
- Hackathon/events for utilization

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

Start a Business

Office space for entrepreneurs, open spaces for ideas exchange and development, and testing their services

Comprehensive start-up support center (which is called Open Square-D) in Seoul, Busan, Gangwon, Daegue.

Education, Consulting & Investment

Program to foster entrepreneurship, customized business consulting with private and public sector collaboration

Growing Up Business

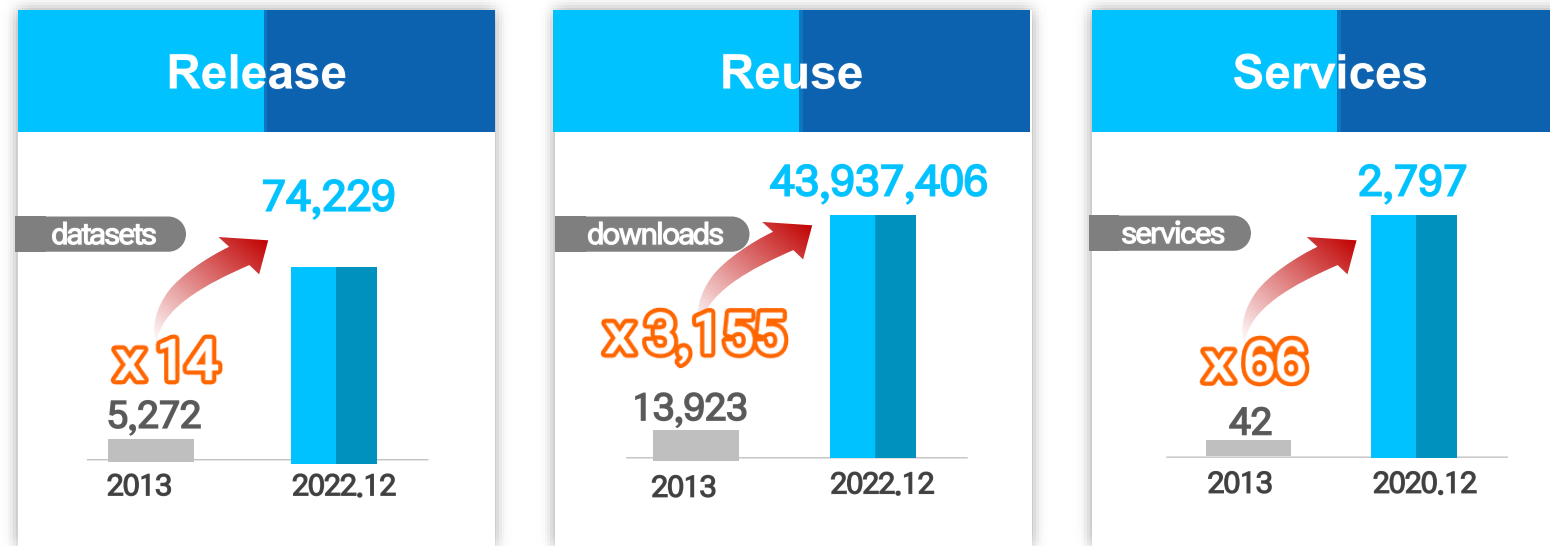
Incubate ideas and services


Incubation of ideas, services and products

Open data challenge competitions, hackathons etc.



05 Achievement of Open Data



 **The 1st in the OECD OURdata Index 2019** measuring government efforts on aspects of Data availability, Data accessibility and Government support for data re-use for 3 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

