

KPFIS Response to COVID-19

Lessons from dBrain Operational Resiliency during Pandemic

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Lessons from dBrain Operational Resiliency during
Pandemic

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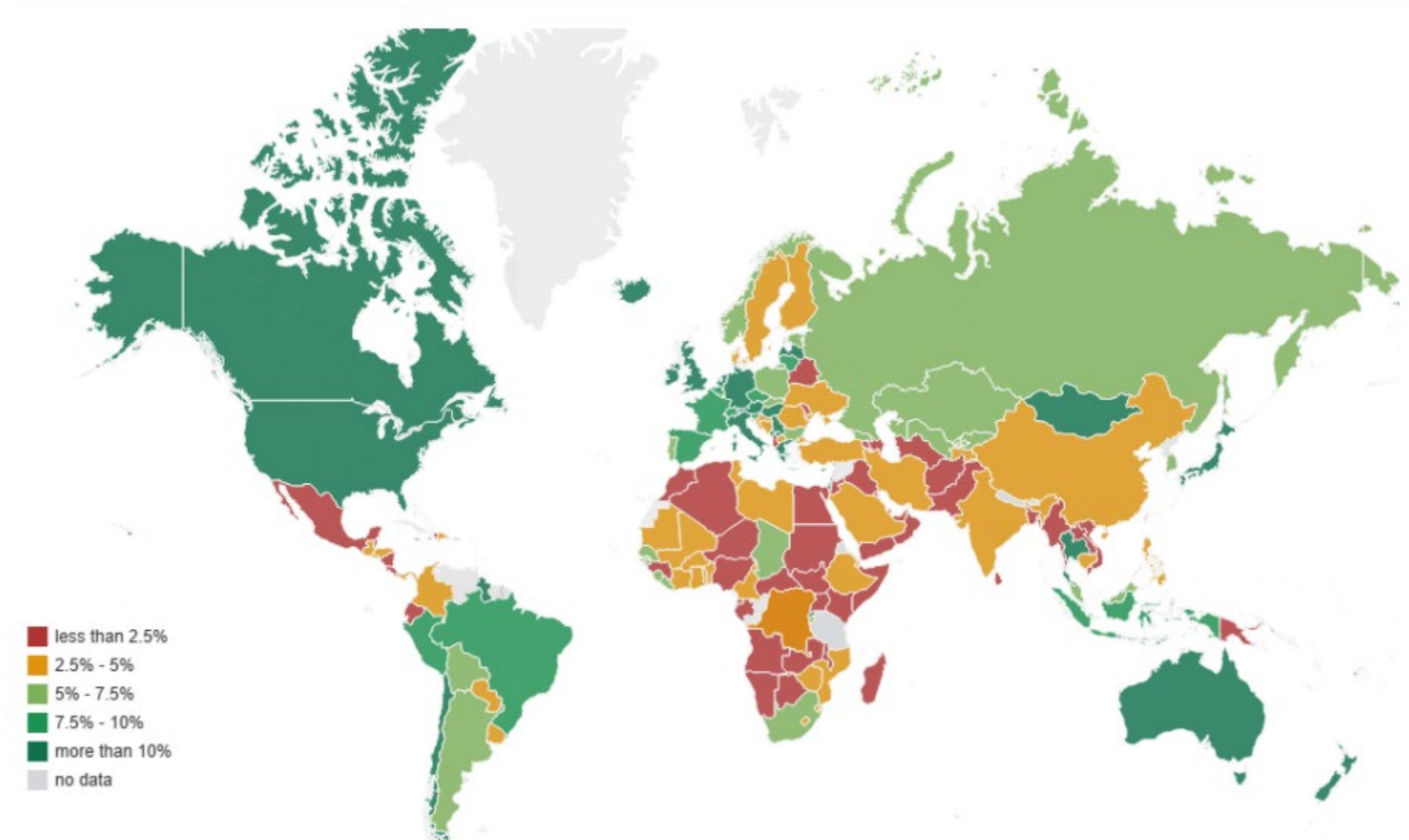
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I . Introduction

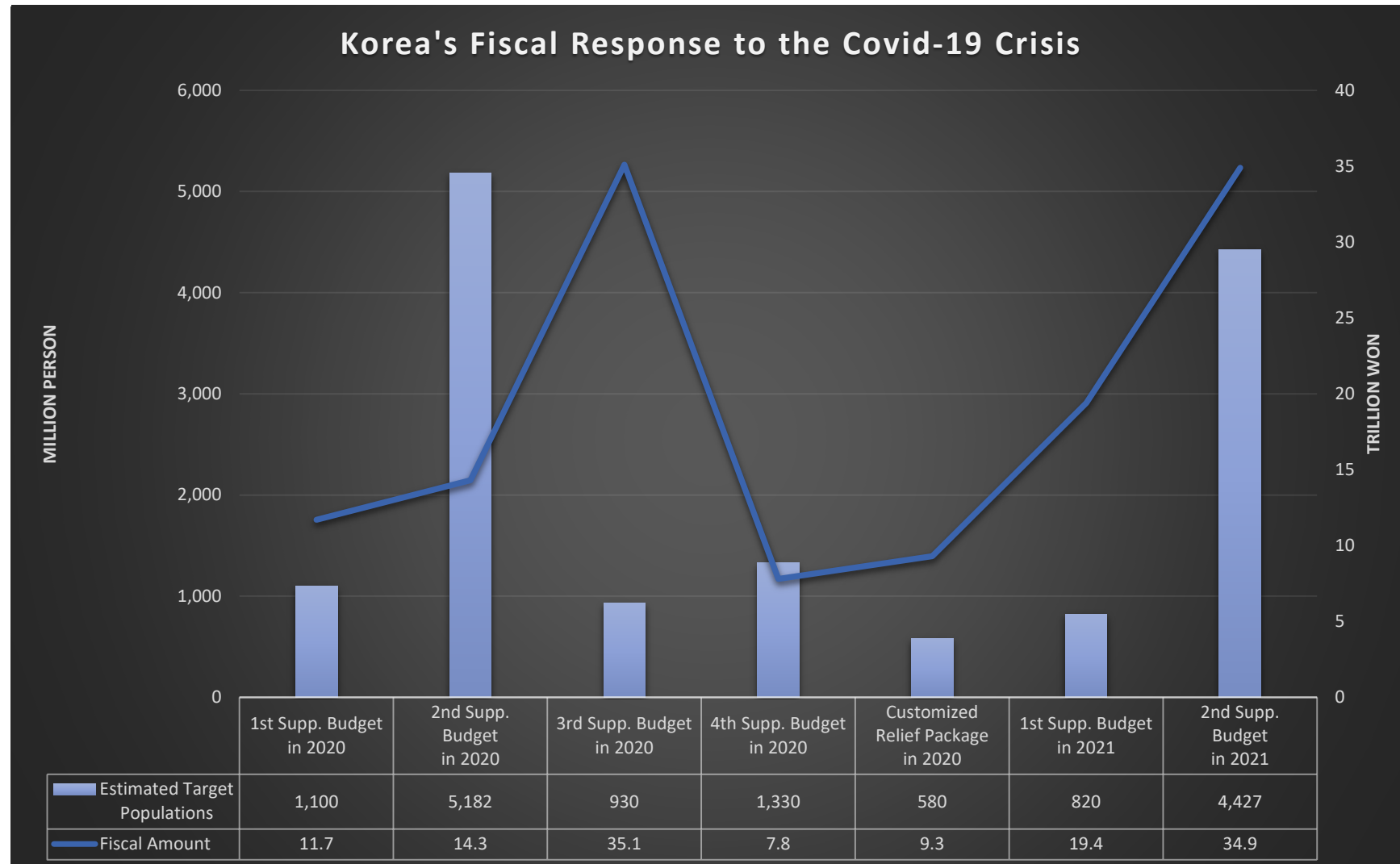
Response to Covid-19 Crisis : Public Finance is a Critical Component .



Sources: Database of Country Fiscal Measures in Response to the COVID-19 Pandemic; and IMF staff estimates.

I. Introduction

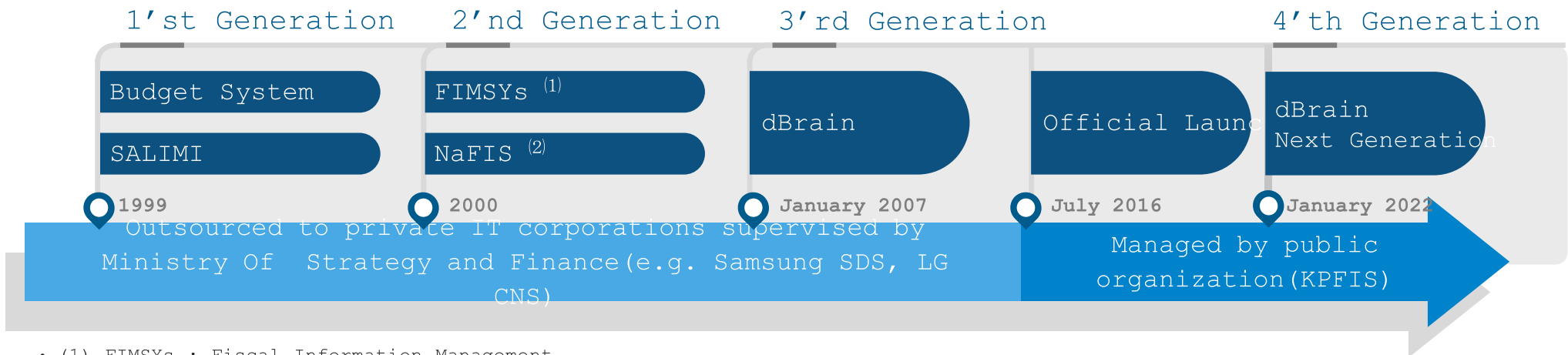
Response to Covid-19 Crisis : Public Finance is a Critical Component .







Sources: Ministry of Economy and Finance & Korea Public Finance Information Service, Republic of Korea.

Who KPFIS is

Bipartisan Agreement to Establish "Dedicated Public Finance Management Institution" (Law passed on Mar. 2016)

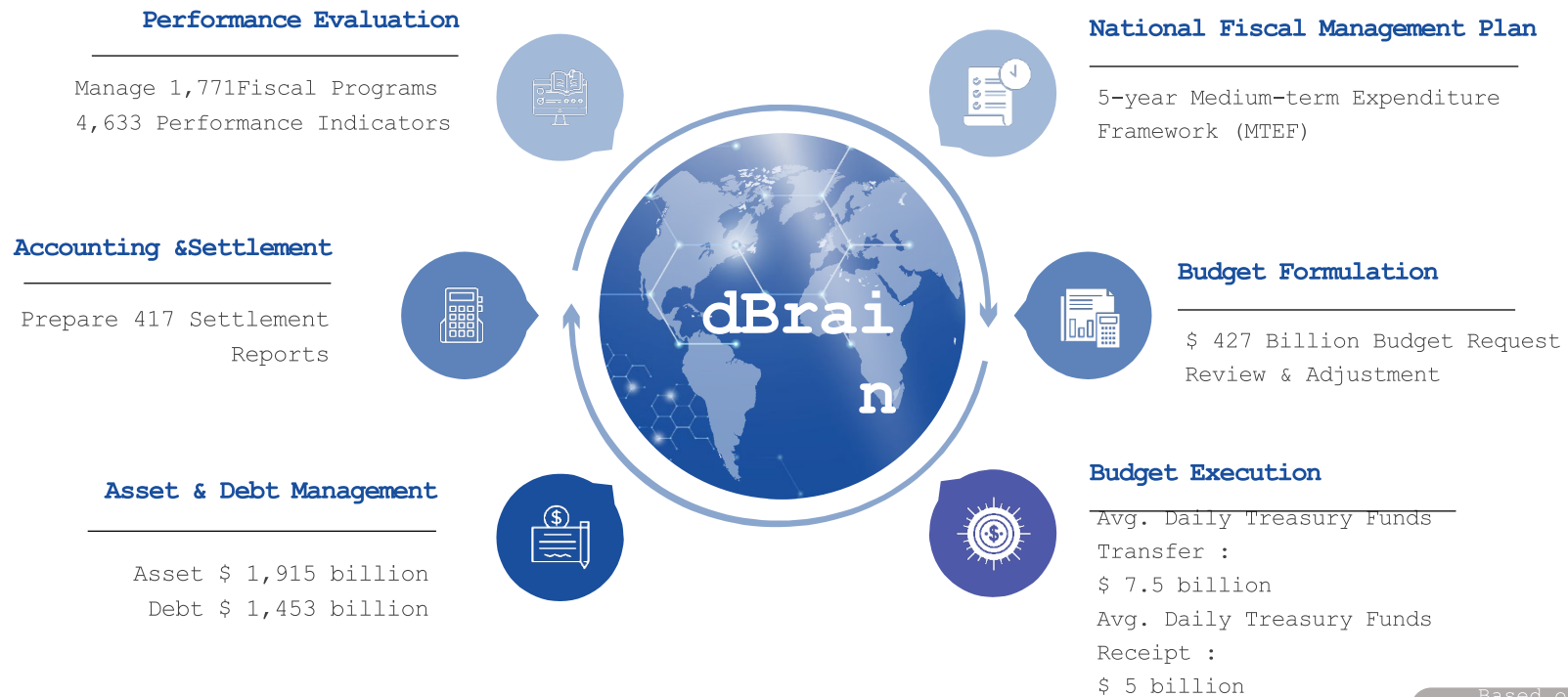


- (1) FIMSYs : Fiscal Information Management System
- (2) NaFIS : National Fiscal Information System

<p>Public Fiscal Management Agencies in Other Countries</p> 	<p>U. S. Department of Treasury (Bureau of Fiscal Service)</p> 	<p>State Financial Technology Agency, France (AIFE)</p> 	<p>Federal Ministry of Finance, Germany (ZIVIT)</p> 
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Korean Central Government's FMIS

Integrated Financial Management Information System (IFMIS)
managing the entire national fiscal management life cycle



Based on FY 2019
figures

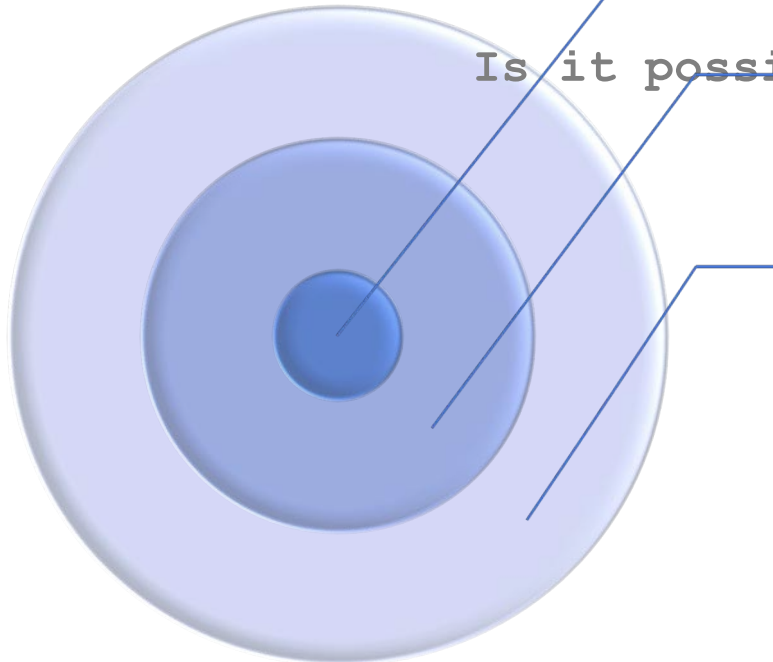
1) DBAS (Digital Budget & Accounting System)

2) dBrain: nickname for DBAS; combination of 'D' which stands for "digital and "brain"

III. KPFIS Responses to Covid-19

New Lens to Look at the Issues of FMIS Operation during Pandemic

If the FMIS' operation is out of service, how would we execute fiscal activities to the public?



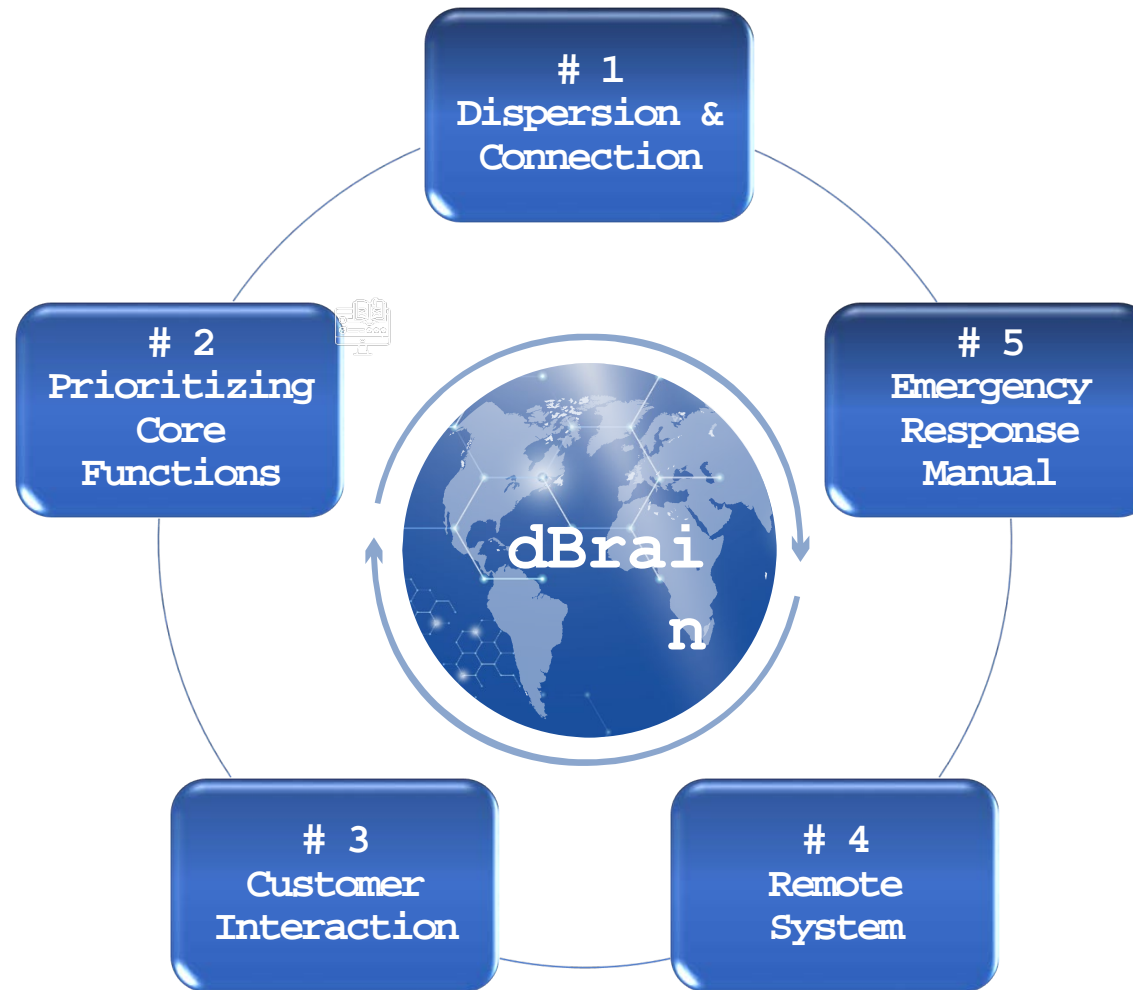
Is it possible for Corona Virus to shutdown the FMIS?

No way. But what if system operators and customer counsellors were tested positive for Covid-19 and quarantined? Then, all the fiscal activities stop.

New measures for fiscal business continuity plan need to be taken unlike conventional disaster recovery and hacking prevention training

III. KPFIS Responses to Covid-19

Fiscal Business Continuity Plan During Pandemic

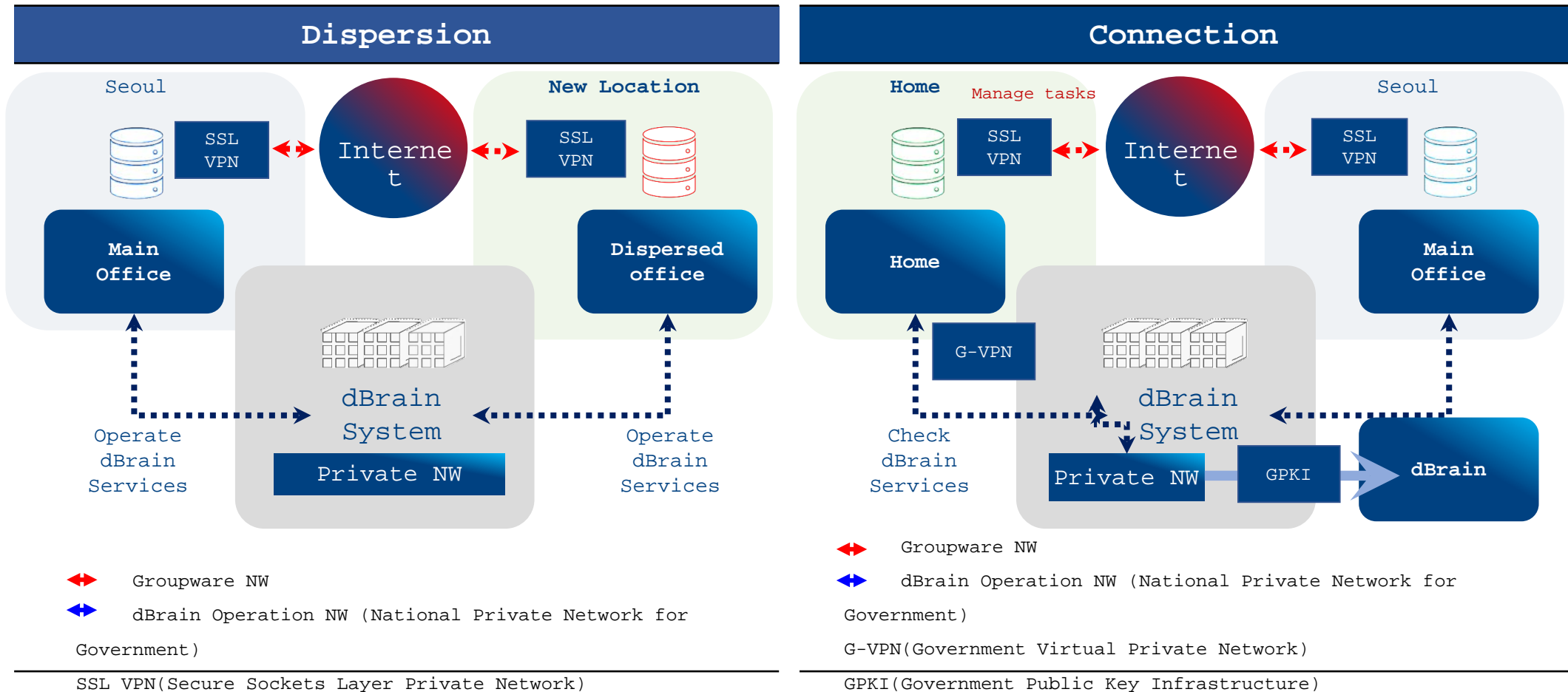


Fiscal Business Continuity Plan During Pandemic

# 1 Dispersion & Connection	<ul style="list-style-type: none">• Construct a dispersed office where dBrain operation service continues to be available outside the main office• Set-up of virtual network system(GVPN4) to make remote work environment be available at home
# 2 Prioritizing Core Functions	<ul style="list-style-type: none">• Prioritize core functions based on the importance of national fiscal tasks• Designation of prioritized core functions to mandatory operators in minimum numbers by the levels of the crisis situation
# 3 Customer Interaction	<ul style="list-style-type: none">• Lent out part of KPFIS' facility to allow the dispersed working of customer counsellors
# 4 Remote System	<ul style="list-style-type: none">• Make dBrain operators to have full access to the working environment for operation and user support
# 5 Emergency Response Manual	<ul style="list-style-type: none">• Make the emergency response manuals to let everyone know what to do in emergency• Add pandemics to the list of types of social and natural disasters including earthquakes, fires and hacking

Fiscal Business Continuity Plan During Pandemic

1 Dispersion & Connection

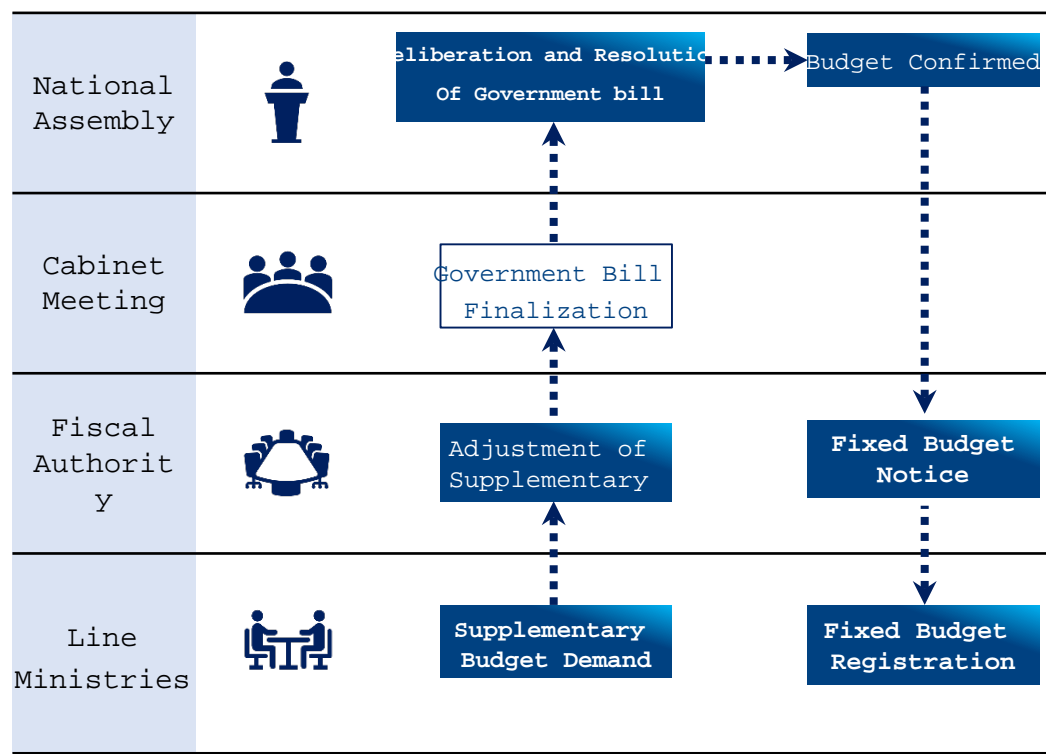


III. KPFIS Responses to Covid-19

Fiscal Business Continuity Plan During Pandemic

2 Prioritizing Core Functions

Supplementary Budget Procedure



Supplementary Budget Support

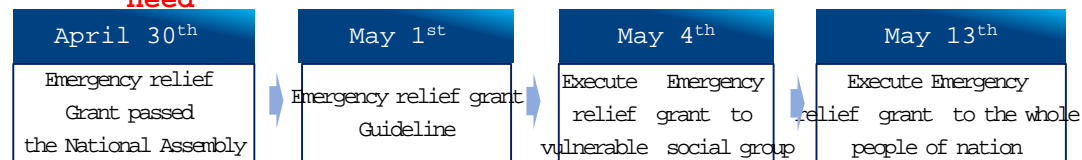
❖ Supplementary Budget Status

Supplementary Budget	Amount
1st	11.7 trillion won
2nd	14.3 trillion won

❖ Emergency relief grant

- Providing economic support to the people who have been damaged by the economic slowdown due to the spread of COVID-19

- **Taking 1 - 2 weeks to deliver grant to the people in need**



3 Customer Interaction

- ## Counselling Operation Procedure



Fiscal Business Continuity Plan During Pandemic

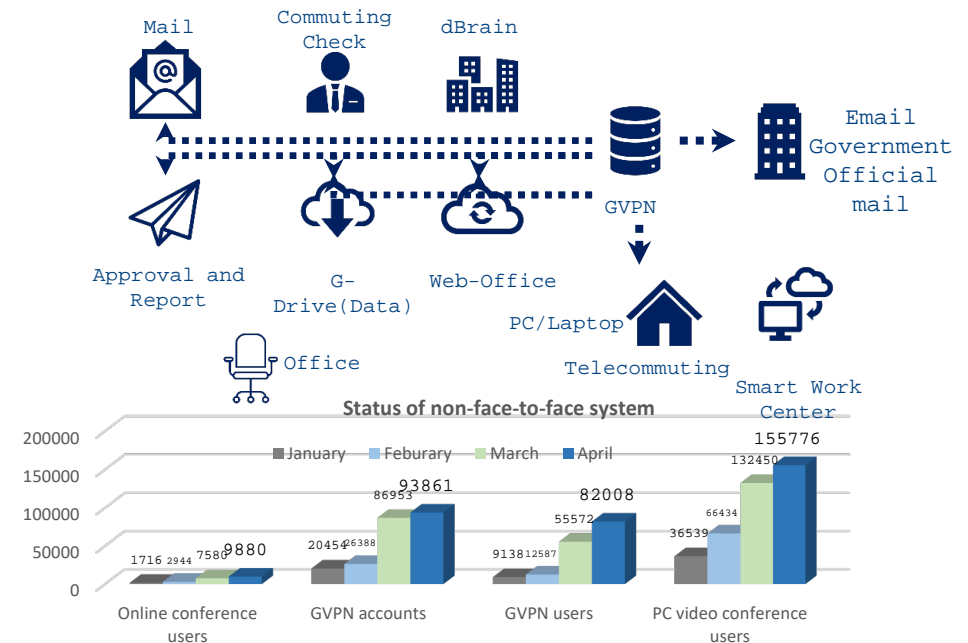
4 Remote System

Remote System

Category	Area of Support
Government Remote Work System	<p>Have full access to the work processes through GVPN(Government Virtual Private Network)</p> <ul style="list-style-type: none"> -Perform remote inquiries from dBrain users -Provide technical support for a user's PC in case of a technical error
Cloud-based Work Data Storage	Untact business sharing using cloud based documents
Video Conferencing System	Online training for for dBrain users

- Minimize administrative gaps and support field-oriented administration in the event of national crises

Remote System Utilization Status



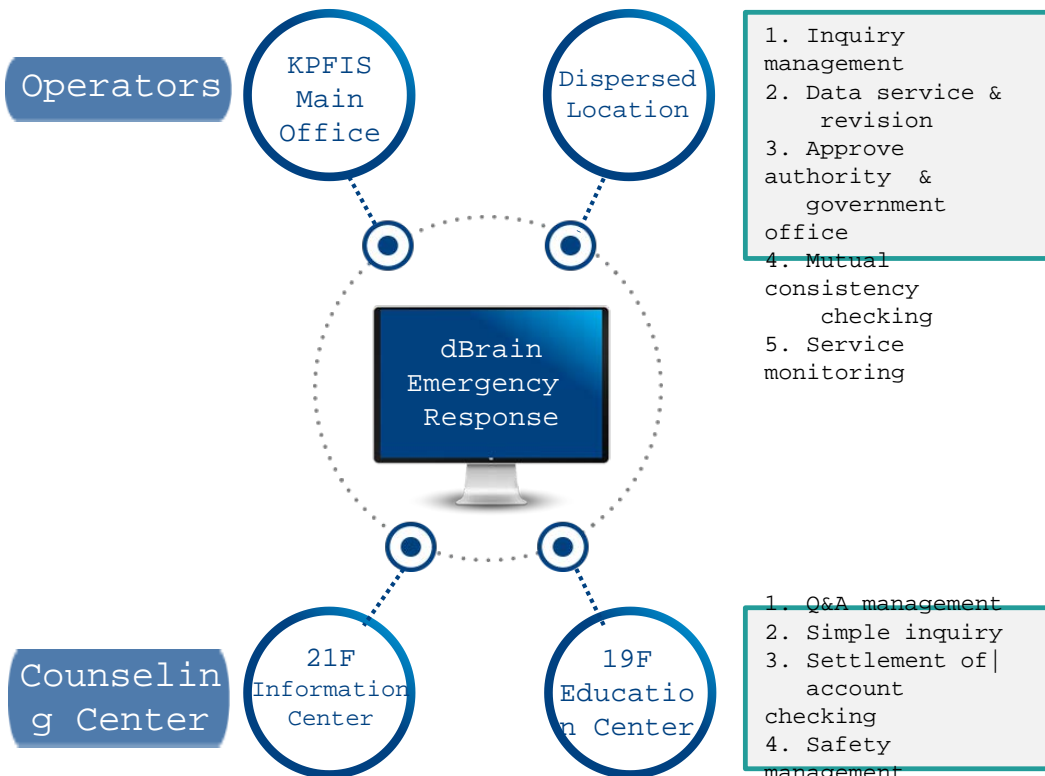
- GVPN user increases (▲ 797%)
- Video conference user increases (▲ 326%)

III. KPFIS Responses to Covid-19

Fiscal Business Continuity Plan During Pandemic

5 Emergency Response Manual

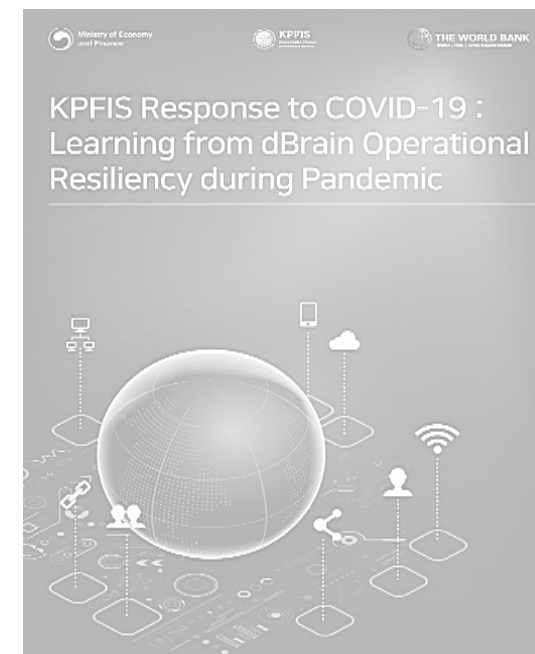
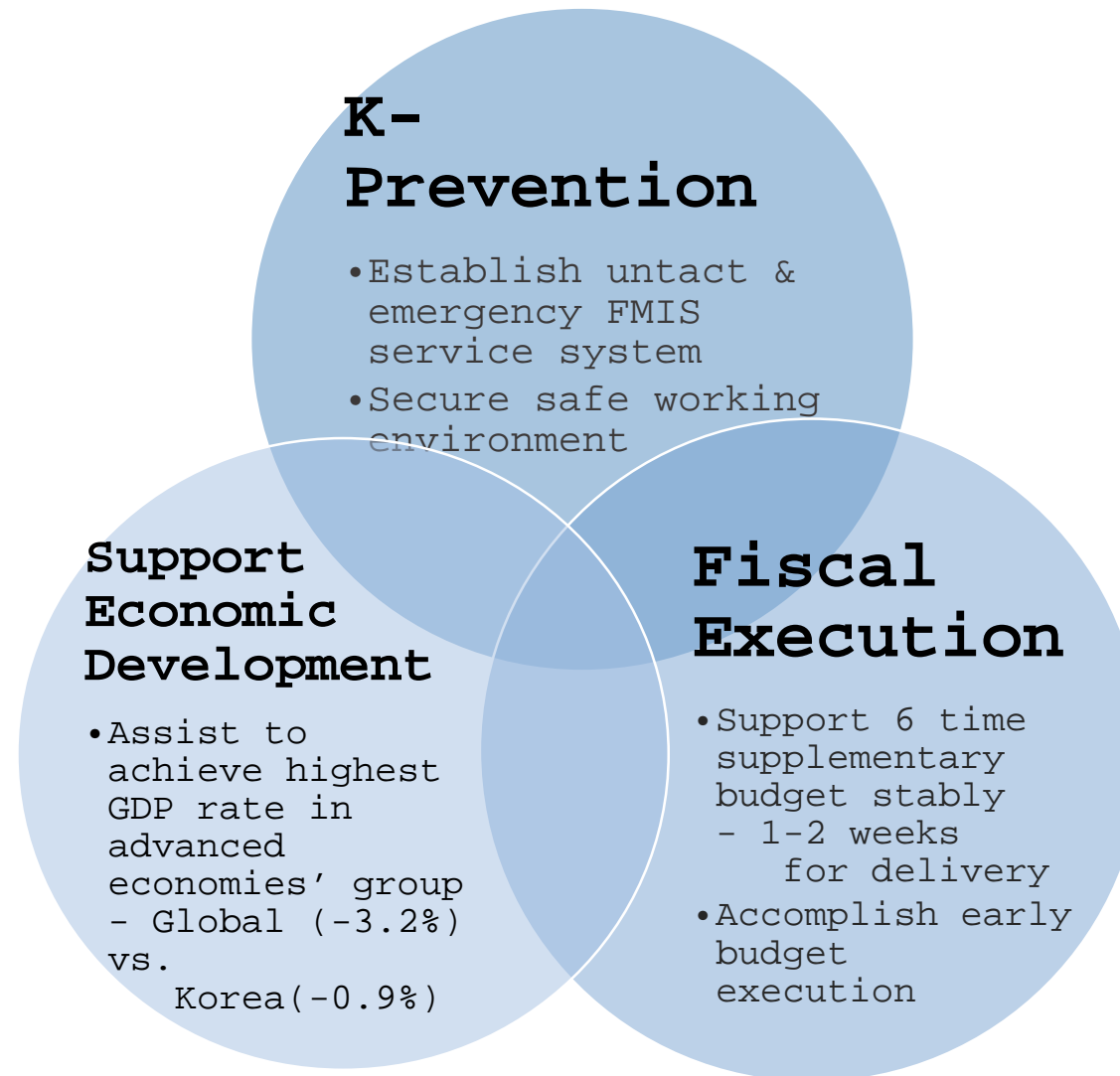
Emergency Response Organizations



Emergency Response Procedure

CHARGE	STAGE
Director of dBrain Operation in Main Office	Declare Emergency
dBrain department Heads & Head of Infra Operation center	Internal/External Situation Notice
Deputy Head of Emergency Department In Dispersed Location & Head of dBrain Business Administration Department	Operate Emergency Response System
dBrain	Emergency Operation

Outcomes from Fiscal Business Continuity Plan During Pandemic



Fiscal Business Continuity Plan for Post COVID-19 Pandemic



FMIS business continuity plan redefinition



**Untact-based public service system
establishment**



**Data-based policy decision
supporting
functions for Next Generation
dBrain
system**

Q&A



KPFIS
Korea Public Finance
Information Service

Thank You

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