



**Asia-Pacific
Economic Cooperation**

2025/SOM3/EPWG/SDMOF/010

Agenda Item: S4.1.1

Building a Governance Framework for Central and Local Disaster Safety Management

Purpose: Information

Submitted by: Korea



**18th Senior Disaster Management
Officials' Forum
Incheon, Korea
31 July 2025**

Building a governance framework for central and local disaster safety management

Introducing the Prior Consultation on Budget for Disaster and Safety
Management Projects of Local Government

Tai-Hoon Kim

- A. Current disaster status in Korea
- B. Problems in local level disaster management
- C. Overview of the Prior Consultation on Budget for Disaster and Safety Projects of Local Government (DSP Local)
- D. Results of the Prior Consultation on Budget for DSP Local in 2025
- E. Achievement and limitation

Current disaster status in Korea

Fact Sheets

- The average annual number of deaths from disaster-related accidents: **13,428** (2019 to 2023)
- In 2024, 14,500 people died by **SUICIDE**, making the KOREA **the highest** in suicide rates among OECD members (28.3 vs. 10.6 per 100,000 people)
- For **TRAFFIC ACCIDENTS**, it has been steadily decreasing, however, it remains still **high** compared to developed members (25th out of 38 OECD members, as of 2023)
- The number of deaths from **INDUSTRIAL ACCIDENTS** in 2023 was **812**, a **decrease** of 62 compared to year of 2022, but **still high** among OECD members (0.43 vs. 0.29 per 10,000 people)
- 28,591 people died by **INFECTIOUS DISEASES** in 2022, of which **26,397** were from **COVID19**

Current disaster status in Korea (cont'd)



Flooding Accident at Gungpyeong 2 underpass, Sejong (July, 2023, Casualty 14)



Traffic Accident at Jung-gu, Seoul (July, 2024, Casualty 9)



Fire Accident in apartment at Dobong-gu, Seoul (Dec., 2023, Casualty 2)



Landslides at Chungju-si, Chungbuk (Feb., 2024, Traffic congestion in several days)

Problems in local level disaster management

Problems in local level disaster management

- The **definition** and **scope** of disaster safety budget projects are **unclear**
- The status of disaster safety budget investments by local governments has **not** been **properly identified**
- **Shortage** of dedicated **personnel**

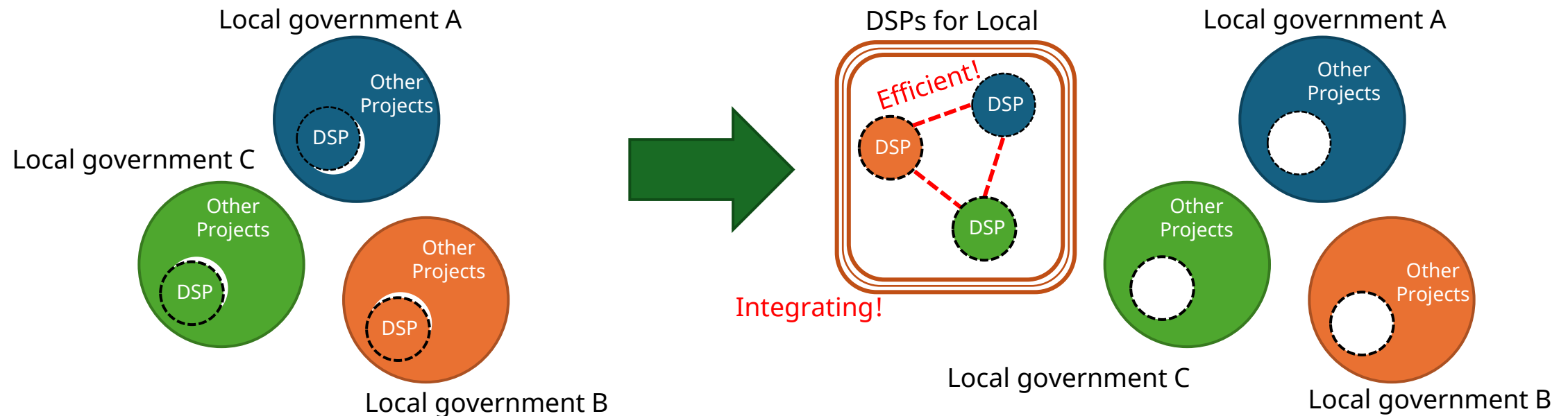


Local disaster safety capacity requires improved alignment between **central and local budget planning!!**

Overview of the Prior Consultation on Budget for Disaster and Safety Projects of Local Government (DSP Local)

Overview of the Prior Consultation on Budget for DSP Local

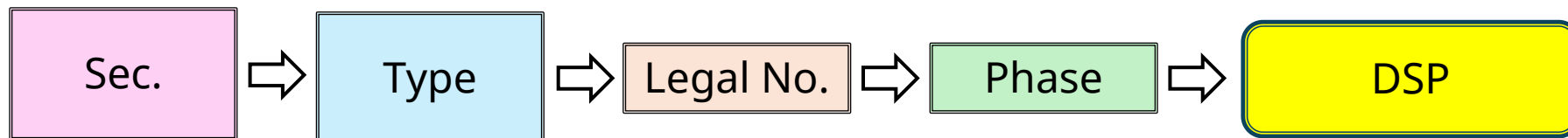
- Why is this system necessary?
 - To ensure the **integration** and **effectiveness** of DSP, which were previously distributed and executed individually
 - DSP should be managed **separately** from the general government budgets



Overview of the Prior Consultation on Budget for DSP

Local (cont'd)

- Objective
 - To conduct a **systematic review and analysis** of disaster and safety management budgets at the local government level, with the aim of **improving investment efficiency and effectiveness**, and ultimately **strengthening regional safety initiatives**
- Legal basis
 - **Framework Act on the Management of Disasters and Safety, Article 10-4**
- Target projects
 - **All** disaster and safety management **projects** under the jurisdiction of local governments
- Classification system
 - Comprised of **4 sectors, 41 types, 6 legal numbers**, and **3 disaster management phases**



Overview of the Prior Consultation on Budget for DSP Local (cont'd)

- Classification system (cont'd)

Sec.	Type
Natural hazards	Typhoon, storm, and flood damage
	Slope failure (including landslides)
	Drought
	Earthquake
	Sandy dust
	Heavy snowfall and cold wave
	Algae
	Heat wave
	Lightning

Sec.	Type
Common sectors	Disaster safety management system
	Rescue, first-aid, and emergency medical care
	Disaster relief and recovery
	Support for safety vulnerable people
	Overseas disaster management

Overview of the Prior Consultation on Budget for DSP Local (cont'd)

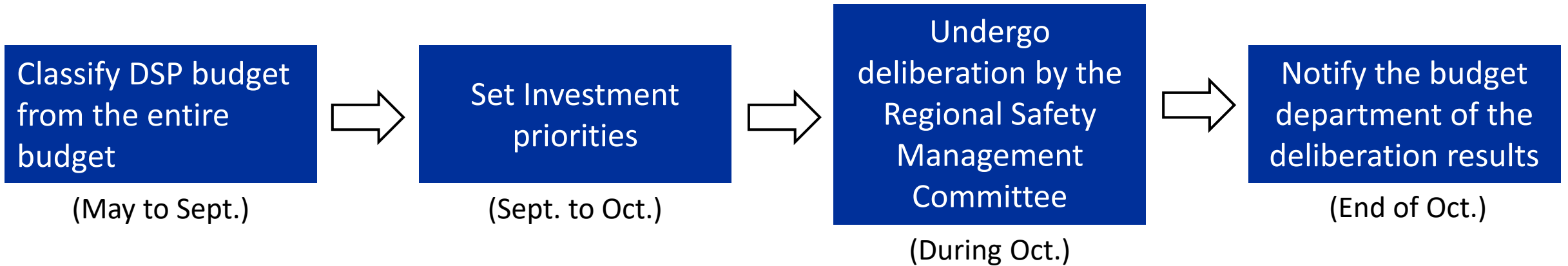
■ Classification system (cont'd)

Sec.	Type
Social disasters	Fire and explosion
	Wild fire
	Facility accidents
	Traffic accidents (including road, railway, airway, and maritime)
	Nuclear accidents
	Hazardous chemical accidents
	Fine dust accidents
	Pollution (including water, seawater)
	Infectious diseases (including human, livestock, and aquatic life)

Sec.	Type
Safety accidents	Life and leisure accidents (including elevator, electricity and gas, mountaineering, water play, and life product)
	Industrial accidents (including workplace, and farming and fishing)
	Food accidents
	Medical product accidents
	Crime
	Suicide
	Wartime and terror

Overview of the Prior Consultation on Budget for DSP Local (cont'd)

■ General Procedure



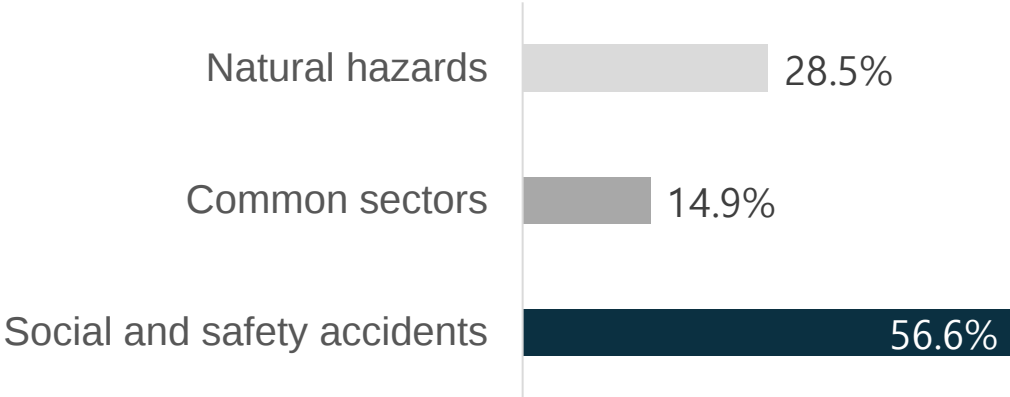
Results of the Prior Consultation on Budget for DSP Local in 2025

Results of the Prior Consultation on Budget for DSP Local in 2025

- Summary of results
 - The target local governments: 17 cities and provinces

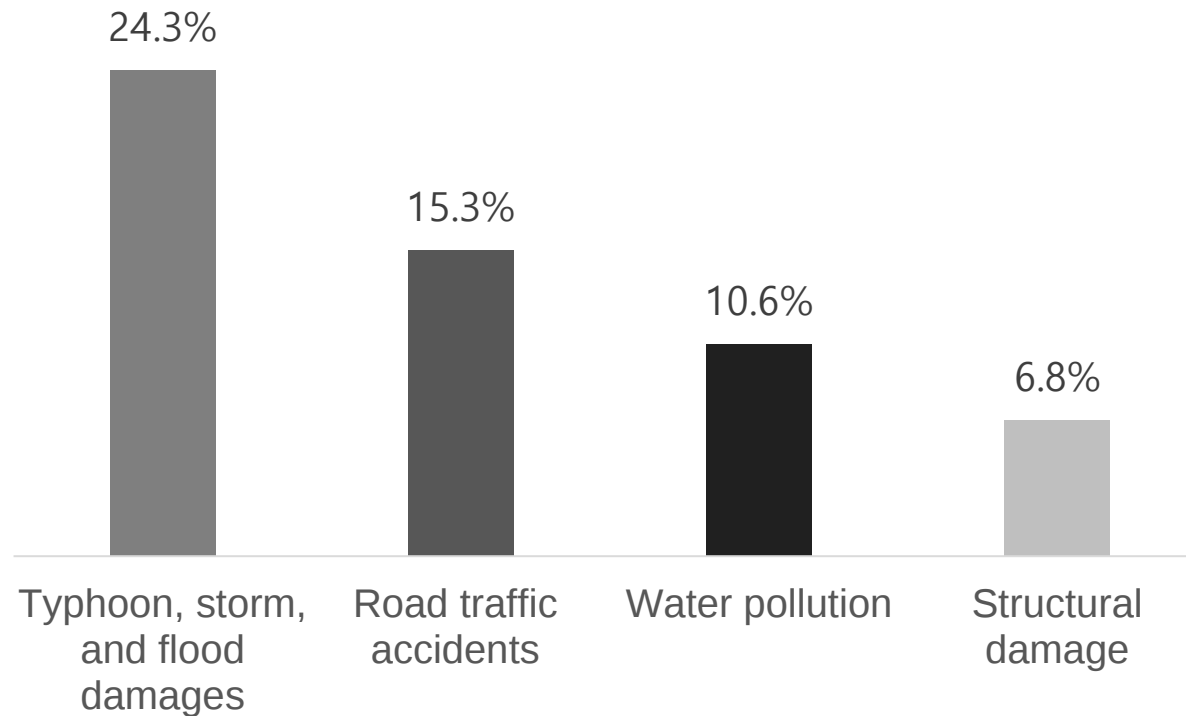
Sec.	Name
Special and Metropolitan City (7)	Seoul, Busan, Daegu, Incheon, Gwangju, Daejeon, Ulsan
Special Self-Governing City (1)	Sejong
Special Self-Governing Province (3)	Gangwon-do, Jeollabuk-do, Jeju-do
Province (6)	Gyeonggi-do, Chungcheongbuk -do, Chungcheongnam-do, Jeollanam-do, Gyeongsangbuk-do, Gyeongsangnam-do

- By disaster field, the requested budget is as follows: \$9.9 billion USD for Social and safety accidents, \$5.5 billion USD for Natural hazards, and \$2.6 billion USD for Common sectors



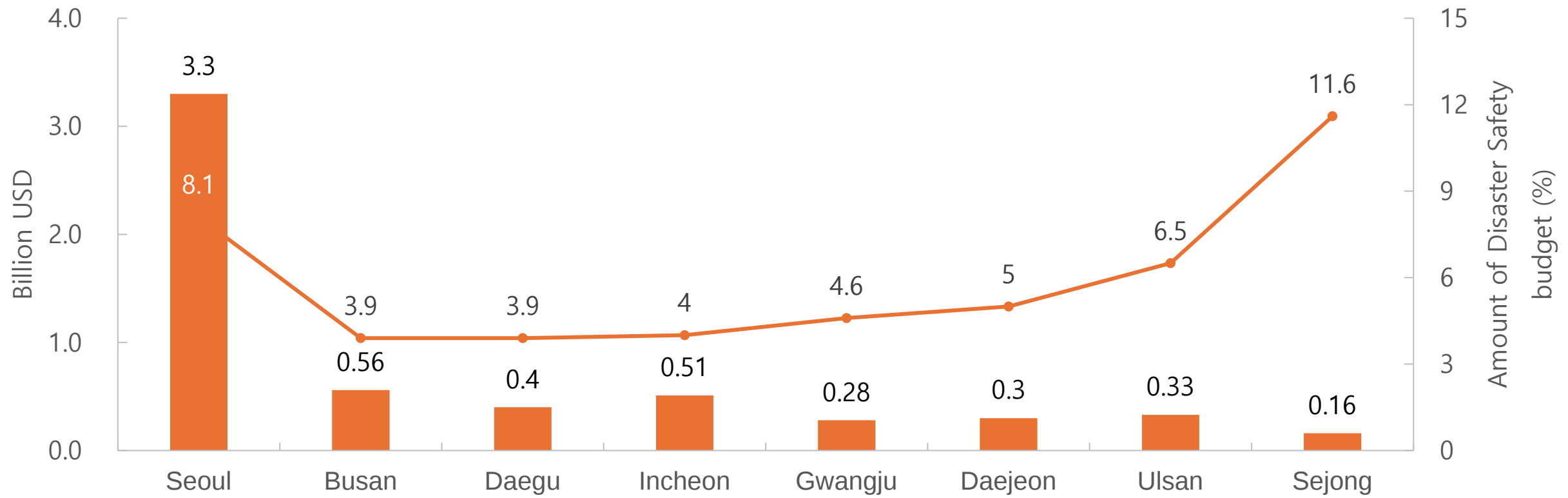
Results of the Prior Consultation on Budget for DSP Local in 2025 (Cont'd)

- Summary of results (cont'd)
 - on their types, the Top 3 requested budget are as follows: **\$4.2 billion USD for Typhoon, storm, and flood damages**, **\$2.7 billion USD for Road traffic accidents**, **\$1.6 billion USD for Water pollution**, and **\$1.2 billion USD for Structural damage**



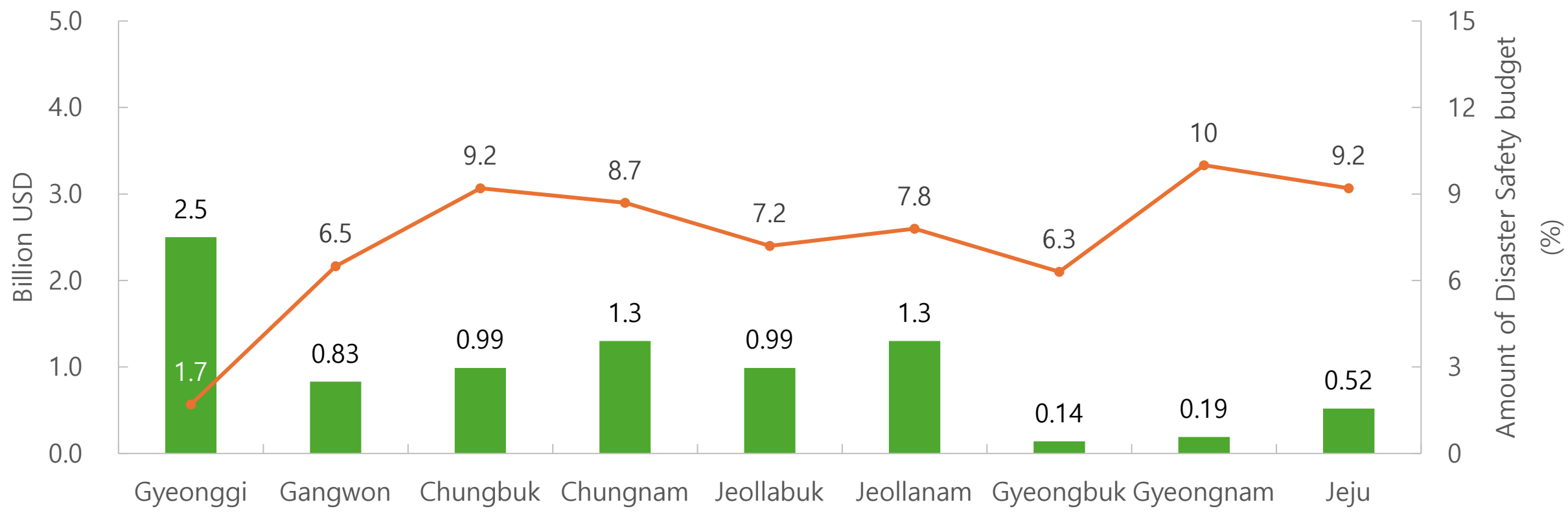
Results of the Prior Consultation on Budget for DSP Local in 2025 (Cont'd)

- Summary of results (cont'd)
 - For special, metropolitan, special self-governing cities



Results of the Prior Consultation on Budget for DSP Local in 2025 (Cont'd)

- Summary of results (cont'd)
 - For province and special self-governing province



Achievement and limitation

■ Achievement

- **Efficient management** of the disaster and safety budget
- Understanding of the overall budget scale, and providing direction for **future investments**

■ Limitation

- It does not fully reflect the **characteristics*** of the disaster safety budget

* Distinctive features of the disaster safety budget

- a. The absence of tangible results in relation to the financial input has resulted in a sustained disinterest from those in positions of policymaking
- c. Because disasters occur irregularly and unpredictably, it is challenging to accurately predict the benefits in proportion to the ongoing investment and costs

■ Future research

- **Establishing the investment direction** based on the characteristics of the damage
- **Ensuring clarity** in the disaster classification system
- **Refining the criteria and evaluation methods** for reviewing the Investment priorities

Thank you for your attention!

If you have any question, do not hesitate to reach out to me at
taihoon@ualberta.ca