

Session 1 Introduction to Data Integration:

Republic of Korea

Country Presentation

REGIONAL WORKSHOP ON DATA INTEGRATION IN ASIA AND THE PACIFIC

INSANG RYU, KOSTAT

About your country – Population size



Total	51,838,016				
Seoul	9,689,159	18.69%	Sejong-si	351,007	0.68%
Busan	3,397,598	6.55%	Gyeonggi-do	13,400,615	25.85%
Daegu	2,424,171	4.68%	Gangwon-do	1,541,836	2.97%
Incheon	2,942,233	5.68%	Chungcheongbuk-do	1,599,102	3.08%
Gwangju	1,452,994	2.80%	Chungcheongnam-do	2,120,347	4.09%
Daejeon	1,467,556	2.83%	Jeollabuk-do	1,805,937	3.48%
Ulsan	1,138,581	2.20%	Jeoollanam-do	1,850,680	3.57%
Source : Resident Registration, October 2020			Gyeongsangbuk-do	2,639,763	5.09%
			Gyeongsangnam-do	3,342,831	6.45%
			Jeju-do	673,606	1.30%

About your country – Size of KOSTAT

Statistics Korea

Headquarter : 686

- Planning & Coordination Bureau : 46
- Statistics Policy Bureau : 69
- Statistical Data Hub Bureau : 81
- Statistical Service Bureau : 84
- Economic Statistics Bureau : 84
- Short-term Economic Statistics Bureau : 60
- Social Statistics Bureau : 117
- Survey Management Bureau : 74

Statistics Training Institute : 32

Statistics Research Institute : 52

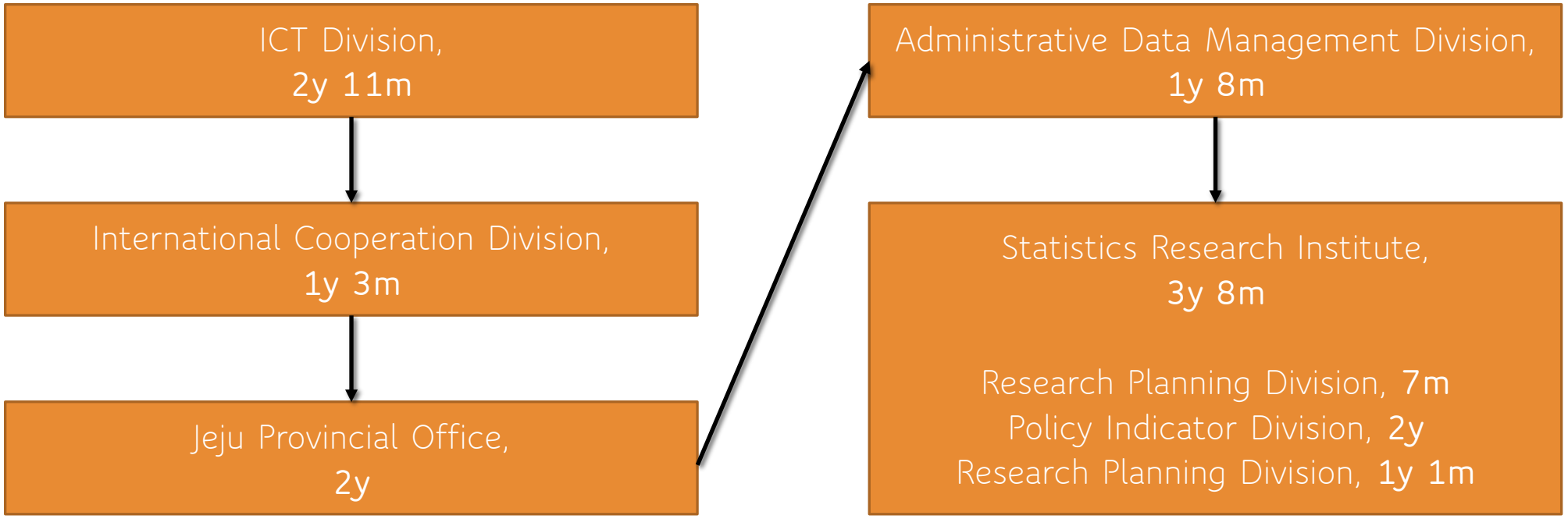
TOTAL
2,229
Staffs

Regional Offices : 1,459

- Gyeongin regional office : 349
  - 7 District offices
- Dongbuk regional office : 299
  - 7 District offices
- Honam regional office : 337
  - 8 District offices
- Dongnam regional office : 226
  - 5 District offices
- Chungcheong regional office : 248
  - 7 District offices

About your country – Fun fact

Rotational transfer system in Human Resources



Are you integrating data? - Yes

Background

- Changing society : Small family, Double-income, Ageing …
- Increasing costs for conducting a survey with growing interviewer costs
- Increasing non-response rates
- Increasing the number of surveys and questionnaires

Are you integrating data? - Yes

When?

- April **2007** : New clause added to **Statistics Act** on using administrative data

- February **2009** : **Basic Law on National Taxes** amended to give KOSTAT authority to seek tax data

- June **2011** : 3 Divisions were established

  · Administrative Statistics Division

  · Administrative Data Management Division

  · Register-based Census Division

Examples of national data integration

Survey of Household Finances and Living Conditions

Sensitive questionnaires (income, expenditure, assets, debt, etc.) ⟶ Low response rate ⟶ Low quality of data ⟶ Using administrative data since 2017

- National Tax Service : Income Tax, Withholding Tax, Earned Income Tax, etc.
- Ministry of Health and Welfare : Basic Pension, Child Endowment and other subsidies
- National Pension, Public Officials Pension, etc.

NOTICE : Statistics ‘before 2016’ and ‘since 2017’ are separately provided on our website;

they cannot be directly compared because of different methodologies

Challenges and solutions

What are the biggest challenges you face in integrating data?

- Collaboration with data producers
- Knowledge on different data sources

What solutions have you developed or are considering?

- Strong : Legal framework, Data Integration Committee, MOU, etc.
- Soft : Meet more, Contact more, Read more, Study more …

Final word

Different but Similar, Similar but Different

Need to exchange our experiences

Thank you