



Background - Cost

- Increasing Survey costs
 - Cost of taking surveys has rapidly escalated with growing labor cost

Costs of "Population and Housing Census"

Year	1995	2000	2005	2010	2015	2020
Cost	46m\$	71m\$	110m\$	154m\$	228m\$*	ŚŚŚ

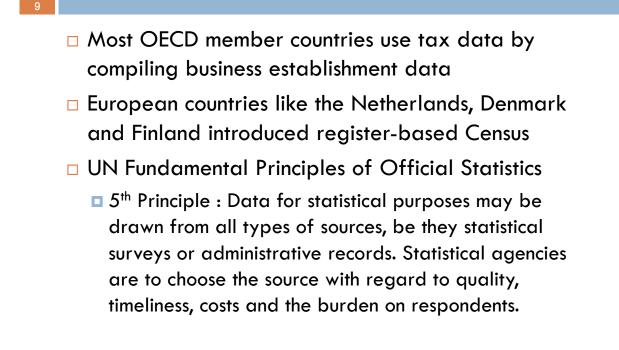
* Estimated cost produced by survey.

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Background - Response Burden □ Changing life-style 1-person households 1995 2000 2005 2010 Share 12.7% 15.5% 20.0% 23.9% 1 or 2-person households 2000 2010 1995 34.6% Share 29.6% 42.2% 48.2% Background - Response Burden □ Changing life-style Double-income households 2003 2007 2009 2011 Share 25.9% 33.2% 35.6% 43.6% Population rate of 65yrs old and over 1995 2000 2005 2010 5.9% 7.3% 9.3% 11.3% Share

 Non Response rate Economically Active Population Survey 								
Year	2007	2009	2011	2012				
Share	2.16%	3.91%	5.95%	6.84%				
House	old Income c	and Expendit	ure Survey					
Year	2007	2009	2011	2012				
Share	17.2%	19.1%	19.6%	20.1%				
Backar	ound -	Respons	e Burde	<u>•</u> n				
Increasir	ng Statistica	l surveys ar	se Burde	naires				
Increasir	ng Statistica	l surveys ar	nd questionr	naires				
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Background - Global Trend



Use administrative data to develop statistical

production base that is low cost but highly efficient

- Enhance statistical productivity
- Reduce response burden

Improve statistical quality

Maximize use of administrative data in new statistics

Frameworks

Legal Frameworks

April 2007

New clause added to **Statistics Act** on using administrative data

Statistics Act

24 (1) The central or local government may request the administrative data from public agencies if required in order to produce official statistics.

Legal Frameworks

February 2009

Basic Law on National Taxes amended to give KOSTAT authority to seek tax data

Basic Law on National Taxes
 82-13 (1) · · National Tax Office can provide tax

information $\cdot \cdot$ if any of the following conditions are met.

5. National Statistical Office requires tax information for the purpose of producing official statistics.

Legal Frameworks

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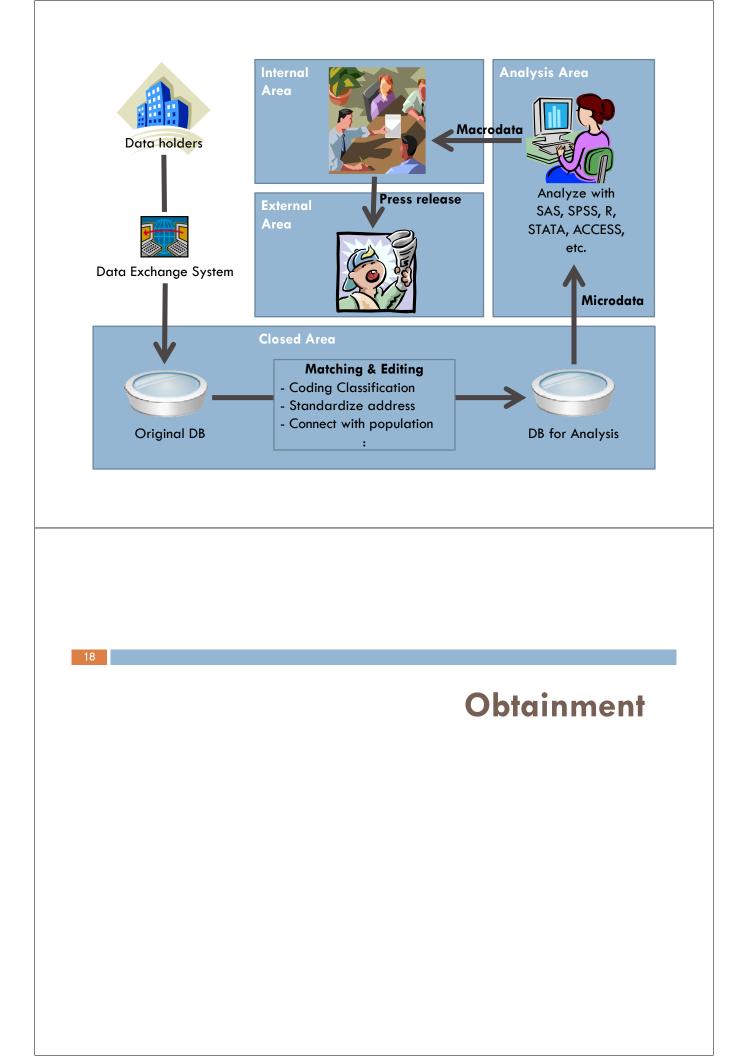
- Personal Information Protection Act
- Resident Registration Act
- □ Act on the Registration, etc. of Family Relationship
- Basic Law on Local Taxes
- Enforcement Decree of the Statistics Act
- Rules for Security on Administrative data

Organizational Frameworks

- Survey Management Bureau
 - Survey Planning Division
 - Population Census Division
 - Economic Census Division
 - Sponsored Survey Division
 - Administrative Data Policy Division
 - Administrative Data Management Division
 - Register-based Census Division
 - 💥 June 2011

Technical Frameworks

- Separated (internal/external) networks block access from outsiders
- Administrative data stacked on closed server
- Encrypt of personal identification numbers
- User control : only approved user can access
- Login with Certificate based authentication
- Users can only access on 'server for analysis' (not PCs)
- Security S/W manages the history of users' command
- Only approved Security USBs can used in PCs



State of Obtainment

□ Total : 27 agencies*, 85 sets (2009~2014)

	2009	2010	2011	2012	2013	2014
Agency	5	9	15	3	4	4
Data sets	7	13	49	4	6	6

* Overlapped number is eliminated when counting total

Administrative Data - Business

Agency	Data	Since
	Business registration	2009
National Tax Service	Value added tax	2009
	Corporate tax	2009
National Court Administration	Registration of a juristic person	2009
National Pension Service	National pension	2010
National Health Insurance Service	Health insurance	2010
Korea Employment Information Service	Employment insurance	2010
Korea Workers' Compensation & Welfare Service	Industrial disaster insurance	2010
Ministry of Trade, Industry and Energy	Factory registration	2011

Population & Housing

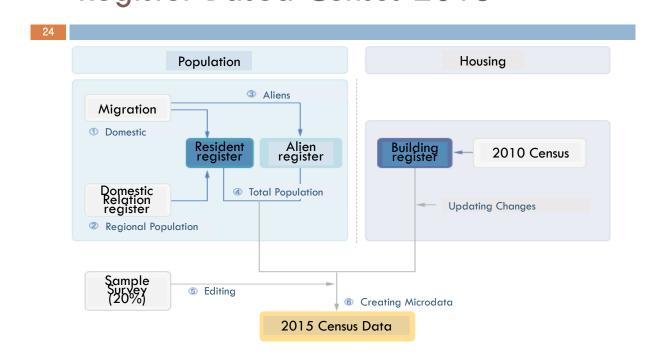
Agency	Data	Since
Attriates, of Land Infrastructure, and Transport	Building register	2009
Ministry of Land, Infrastructure, and Transport	Declared value on houses	2011
Ministry of Security and Public Administration	Resident registration	2010
internet function	Alien Registration	2010
Ministry of Justice	Immigration	2011
Supreme Court of Korea	Domestic relations registration	2010
Ministry of Health & Welfare	List of Social welfare facilities	2013
Korean Council for University Education	List of University dormitory	2011
Korea Electric Power Corporation	List of electricity consumers	2011
Universities	University students' register	2013

Agriculture, forestry & fishing

Agency	Data	Since
Adminter of Americality Food and Dural Affairs	Agricultural Company register	2010
Ministry of Agriculture, Food and Rural Affairs	Livestock industry registration	2011
	Fishing boat register	2011
Ministry of Oceans and Fisheries	License on Fishery	2011
Korea Rural Community Corporation	Farmland register	2011
National Federation of Fisheries Cooperatives	Members' list	2011
	Members' list	2011
Korea Forest Service	Forestry Corporation	2011



Use



Register based Statistics in KOSTAT

2012

- Wage and Salary Employment Position Statistics
- Statistics on Returned Farmers and Migrators to Rural Regions
- Business Demography Statistics

2013

- Profit Corporation Statistics
- Statistics on Possession of Private Houses

Use of Administrative Data

Replacement, Verification, Editing

	2011	2012	2012	2014
TOTAL	35	36	36	37
Replace all items	2	6	6	7
Replace partial items	15	14	19	19
Verify / Edit	18	16	11	11

KOSTAT produces 58 Statistics

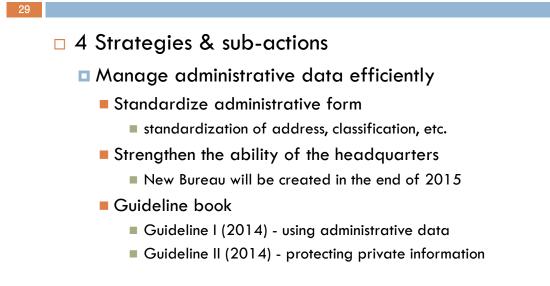
Total	5yrs	2yrs	1 yrs	1/2yrs	1/4yrs	Monthly
58	7	1	30	2	3	15

Mid-term Plan

1st Mid-term Plan

- □ Period : 2011~2015
- □ Vision : Advancing official statistics
 - by expanding the use of administrative data
- □ 4 Strategies & sub-actions
 - Meet the demand of users & Reduce response burden of respondents
 - Develop new statistics from administrative data
 - 5 statistics are developed
 - Replace survey with administrative data based statistics
 - 26 surveys replace, 11 surveys use it for editing

1st Mid-term Plan



1st Mid-term Plan

4 Strategies & sub-actions

- Strengthen infrastructure
 - Enact the law regarding use of administrative data
 - Statistics Act, Basic Law on National Taxes, etc. are amended
 - Systematic obtainment
 - Periodically obtained by 'Data Exchange System'
 - Build statistical registers
 - Creation of Information Strategy Planning*(ISP) in 2014
 * Period : 2015~2017

1st Mid-term Plan

4 Strategies & sub-actions

- Enhancing private protection
 - security for producing statistics
 - Technical frameworks for security enhancement
 - security for local statistical office users'
 - Same as headquarters

2nd Mid-term Plan

- □ Period : 2016~2020
- Preparing Steps
 - Review 1st Mid-term Plan
 - Task Force Team for planning
 - Team1 : Develop new statistics
 - Team 2 : Use in Survey statistics
 - Team 3 : Strengthen infrastructure
 - Make detailed action plans
 - Submit plans to National Statistics Committee

Thank you

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