

# Statistical Capacity Building for Agricultural and Rural Statistics in Korea

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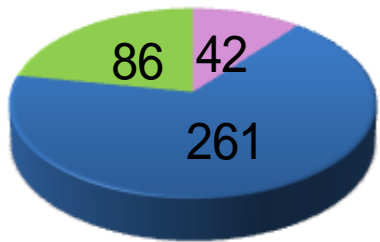
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# I-1. National Statistical System of Korea

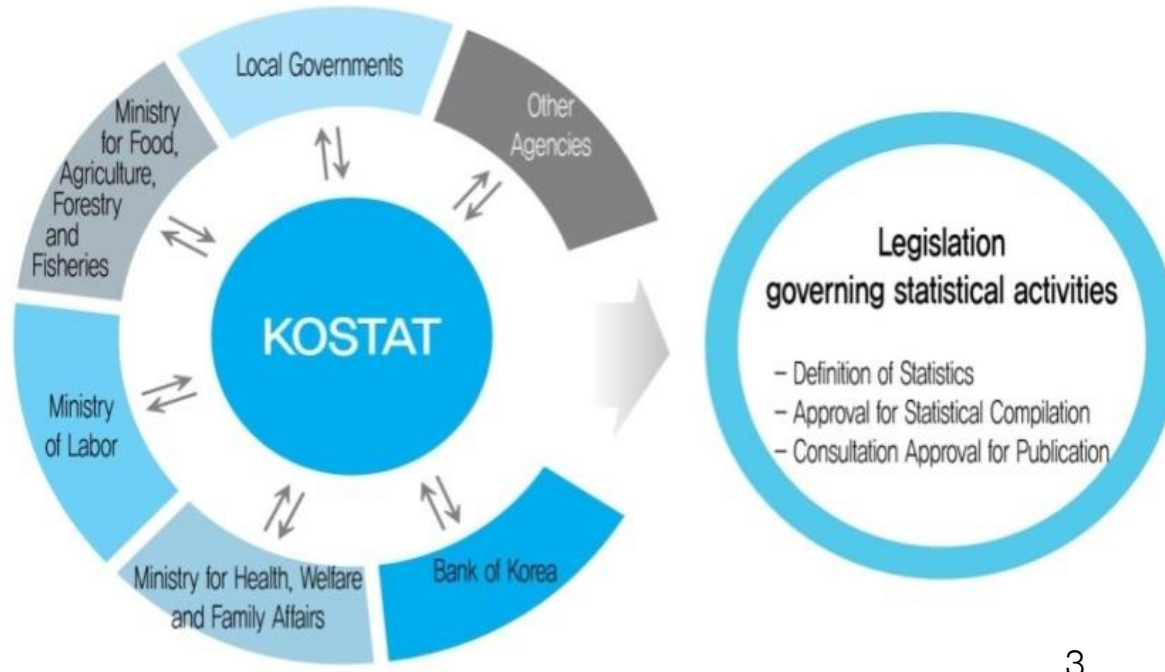
## Decentralized Statistical System

**389** statistical offices produces official statistics in **923** subjects  
- 303 Government agencies (central & local governments) and other public/private organizations compile official statistics.

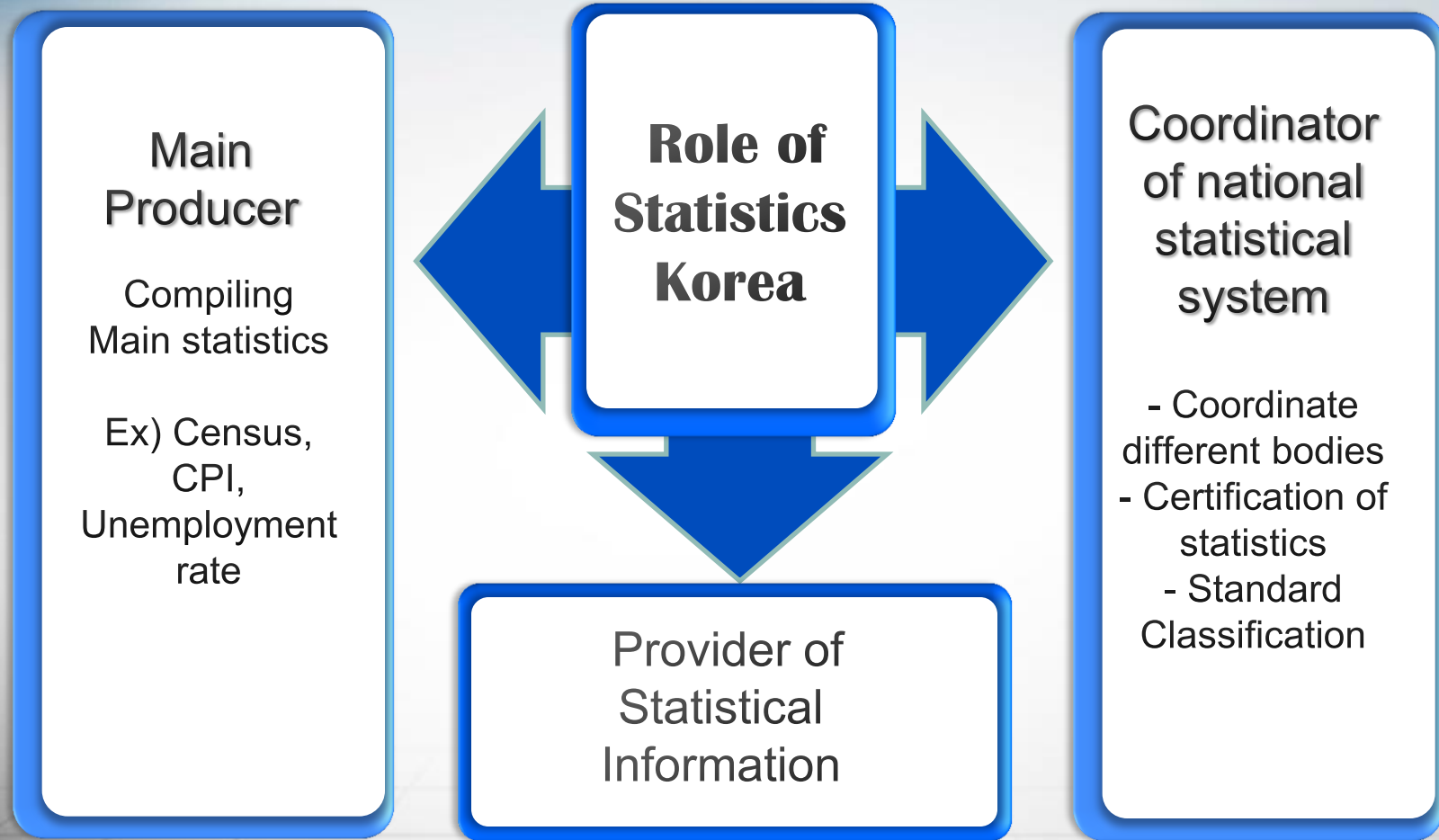
### Official Statistics Producers



- Central Government Bodies
- Local Governments
- Other designate agencies



# I-2. Role of KOSTAT in KNSS



# I-3. Agriculture Statistics Producers

Agency	Statistical Products	Data Collection Method	Publication Periodicity
STATISTICS KOREA	Census on Agriculture, Forestry and Fisheries, Crop Production Survey, etc. (14)	Survey statistics (14)	Quinquennial (1) Yearly (4) Semi-Annual (1) Quarterly (1) Monthly (7)
Ministry of Agriculture, Food and Rural Affairs	Facilities Vegetable Greenhouse and Production, Female Farmer Survey, etc. (13)	Survey statistics (2), Derived Statistics (1), Administrative Statistics (10)	Quinquennial (2) Yearly (6) Semi-Annual (1) Monthly (4)
Ministry of Oceans and Fisheries	Deep Sea Fishery Survey, Marine Product Derived Statistics, etc. (15)	Survey statistics (1), Administrative statistics (14)	Yearly (14) Semi Annual (1)
Rural Development Administration	Agricultural Product Income Survey, Survey on the Actual Condition of Welfare, Education & Regional Development (4)	Survey statistics (3), Administrative statistics (1)	Quinquennial (1), Yearly (3)
Korea Forest Service	National Forest Asset Survey, Forest Production Cost, etc. (8)	Survey statistics (5), Administrative statistics (3)	Quinquennial (1), Yearly (7)
Korea Rural Economic Institute	Food Consumption Behavior Survey	Survey Statistics (1)	Yearly (1)
Local Governments	Basic Survey of Agriculture of 9 Si/Gun including Uljin Gun (9)	Survey Statistics (9)	Yearly (9)
Fishery Cooperation	Fishery Business Survey, Surplus Funds and Expenses Survey (2)	Survey Statistics (2)	Yearly (2)

# II-1. Four divisions of KOSTAT Produce Statistics

- **Bureau of Social Statistics: Agriculture and Fisheries Statistics**  
Division : Agricultural Area Survey, Crop Production Survey, etc.(8)
- **Bureau of Social Statistics: Welfare Statistics Division: Farm Household Economy, Fishery Household Economy, Food Grain Consumption Survey (4)**
- **Survey Management Bureau: Population and Census Division :**  
Census on Agriculture, Forestry and Fishery, Survey of Agriculture, Survey of Fishery (3)
- **Bureau of Economic Statistics: Industry Statistics Division : Farm and Fishery Corporation Survey (1)**

## II-2. Agriculture and Fishery Statistics Produced by KOSTAT 1

	Survey			Topics Covered
	Period	Frequency	Coverage	
Agricultural Area Survey	Nov	Yearly	* 26,000 EDs	Increase/Decrease in land area (rice paddy field), Reason for change
- Cultivated Land Area	Mar-Nov	5 times / year <sup>1)</sup>	* 26,000 EDs	All crop cultivated in the sample ED (100+)
Crop Production Survey	Harvest Season	Year-round	* Sample lot selected for each crop from 26,000 EDs	15 products (i.e. rice paddy, pepper, garlic, onion) * Admin data on 32 products
Livestock Statistics Survey	Every quarter	4 times / year	* 3,068 Eds + Households breeding animals at complete enumeration scale	Number of households breeding (Korean beef, dairy beef, milk cows, pork, chicken), Number of animals Scope of complete enumeration differs across livestock breed and city/province
Agricultural & Livestock Production Cost Survey	Jan-Dec	Monthly	* Agricultural Products (2,800 households) Livestock (1,400 households)	Agricultural products: 17 items including cultivated land, arable land Livestock products: household members, livestock composition, feed cost
Price Index of Commodities Received and Paid by Farmers	Every month	2 times / month <sup>2)</sup>	* 131 Si/Gun throughout nation	Price on commodities purchased and sold by farmers * 398 commodities - 91 on price received (i.e. grain) - 307 on price paid (i.e. household goods)

## II-3 Agriculture and Fishery Statistics Produced by KOSTAT 2

	Survey			Topics Covered
	Period	Frequency	Coverage	
Fishery Production Survey	Jan-Dec	Year-round	*2,660 sample fishery households + 170 consigned markets + 12,000 complete enumeration (fish culture sample) fishery households	Production and value for inland water and seawater *160+ species
Survey on the Status of Fish Culture (complete enumeration)	"	Monthly	*3000 fish culture households	Fish farm facilities status, farming status, food intake amount
Rice Price at Production Site	Every month	3 times/year	*104 Si/Gun 406 rice grain business	Milled grain (20kg) shipped price Unhulled grain(40kg) purchased price
Farm Household Economy Survey	Every month <sup>1)</sup>	Yearly	2,800 farm households (5 per ED) in 560 Eds nationwide	Daily log: income expenditure, farm labor input (8) Ledger: intangible asset, debt (11)
Fishery Household Economy Survey	Every month <sup>1)</sup>	Yearly	1,144 fishery households (4 per ED) in 286 Eds nationwide	Daily log: ship, income, expenditure (10) ledger: Intangible asset, debt (13)



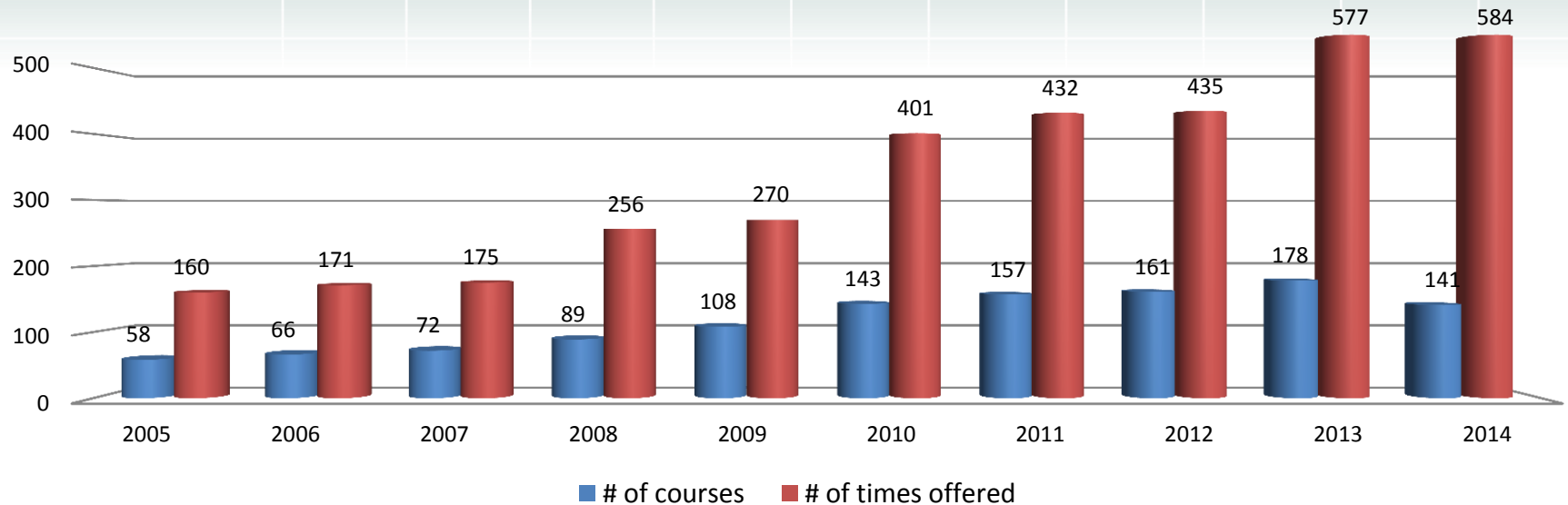
## II-4. Agriculture and Fishery Statistics Produced by KOSTAT 3

	Survey			Topics Covered
	Period	Frequency	Coverage	
Food Grain Consumption Survey	Every month (households) Every Year (Establishments: rice consumption and inventory)	Yearly	Food grain consumption: 560 farm households Rice grain inventory 2,800 farm households 3,277 establishments (2,589 on consumption, 688 on inventory)	Food grain consumption by household, product, purpose (consumption: nonglutinous rice, sweet rice, Inventory: nonglutinous rice, sweet rice, nonglutinous rice plants, sweet rice plants)
Census of Agriculture, Forestry and Fisheries	5 year (Nov)	Yearly	Complete enumeration (approx. 1.38 million farm households)	Farm households, household members (109)
Survey on Agriculture, Forestry, and Fisheries	Every year (12.1~20)	Yearly	All households (60,000+) in 3,040 sample Eds nationwide Seawater fishery households in 431 sample Eds nationwide (6,000 households)	Household members, business management, sales, full-time or part-time (20)
Agriculture and Fishery Corporation Survey	Yearly (May)	Yearly	Complete enumeration (all corporation-equivalent establishments engaged in agricultural or fishery business)	General items (18) Agricultural (7) Fishery (5)

Note: 1) Daily log (monthly), Ledger (beginning and end of year, ad hoc)

# III-1. Training Activities of STI: Record of Courses and Trainees

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
# of courses	58	66	72	89	108	143	157	161	178	141
# of times offered	160	171	175	256	270	401	432	435	577	584
# of trainees	7,343	8,810	9,981	11,996	14,741	16,278	21,629	26,219	37,580	43,805



## III-2. Training Regular Courses for KOSTAT Staff

- **Classroom Courses for Staff of Agriculture Statistics**  
*Understanding agriculture statistics, Agricultural production survey  
Understanding fishery Statistics*
- **Classroom Courses for Interviewers of RSO**  
*Psychology for persuasion, Field survey practice,  
Healing for Interviewers*
- **E-learning for staff and Interviewers (10 Surveys Guidelines)**  
*Farm household economic survey, Farm household sales and purchase  
price survey, Cost of crop production survey, Cultivated area statistical  
survey, Crop production survey, Price of rice survey, Food grain  
consumption survey, Fishery household economic survey, Current fish  
farming survey, Current fishery production survey.*

\* Reference: Annual Training Programs of STI in 2014

## III-3. Training Courses for Statistics-related Organizations

- **Custom-tailored courses for external agencies**
  - *Statistical data analysis, SPSS, use of statistics, etc*
- **Special courses for local government officials**
  - *GRDP, Local Statistics*
- **Provision of textbooks, lecturers and consultation on training programs upon request of statistics compiling agencies**

## III-4. International statistical training

- **Management of courses and projects with KOICA**
  - *Training courses for Afghanistan, Ecuador, Iraq, Egypt, Multi-nations*
  - *Agricultural Census, Farm Household Economic Survey, Remote Sensing, Statistical GIS, Information Service.*
- **Organizing projects for statistical capacity enhancement (ODA)**
  - *For General Statistics Office of Vietnam(2012~2013)*
  - *Project for the Capacity Enhancement of Department of Census and Statistics of Sri Lanka(2015~2016)*
- **Multilateral Cooperation with UNSIAP**
  - *First RAP Workshop on Building Training Resources for Improving Agricultural and Rural Statistics*
- **Bilateral Cooperation**
  - *Netherlands, Germany, Iran, China, Japan, Russia .... (16)*

# IV. Plans of STI: Strategies and Major Tasks

## Key Strategies

Expand statistical training infrastructure

Improve statistical training system

Advance statistical training

Strengthen global statistical training

## 15 Major Tasks

- Update training facilities with latest technologies
- Develop general portal on statistical training
- Set grounds for expanding e-learning system
- Build internal capacity through organizational expansion and functional maintenance
- Streamline gateway to statistical training and develop cooperation mechanism
- Establish continuing education system for statistical training
- Improve training programs to accommodate changing training conditions
- Enhance evaluation & feedback system on training programs
- Improve professionalism among statistical personnel
- Foster cadre of specialists in official statistics
- Operate client-tailored training programs for statistical agencies
- Disseminate standard statistical training materials and provide lecturers
- Branding of statistical seminars
- Become hub nation of international statistical training
- Expand international statistical training programs and cooperation

Thank  
you!

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