

Guide to Economic Statistics System(ECOS)



THE BANK OF KOREA
Economic Statistics Department



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1. ECOS history

- 1993. 12 Established long-term plan to create the economic statistics DB system
- 1995. 2 Completed developing Monetary & Financial statistics part of economic statistics DB system
- 1996. 2 Completed developing domestic real economy and overseas economy part of economic statistics DB system
 - ▶ Operated economic statistics DB system
- 2002. 11 Drove rebuilding economic statistics DB system

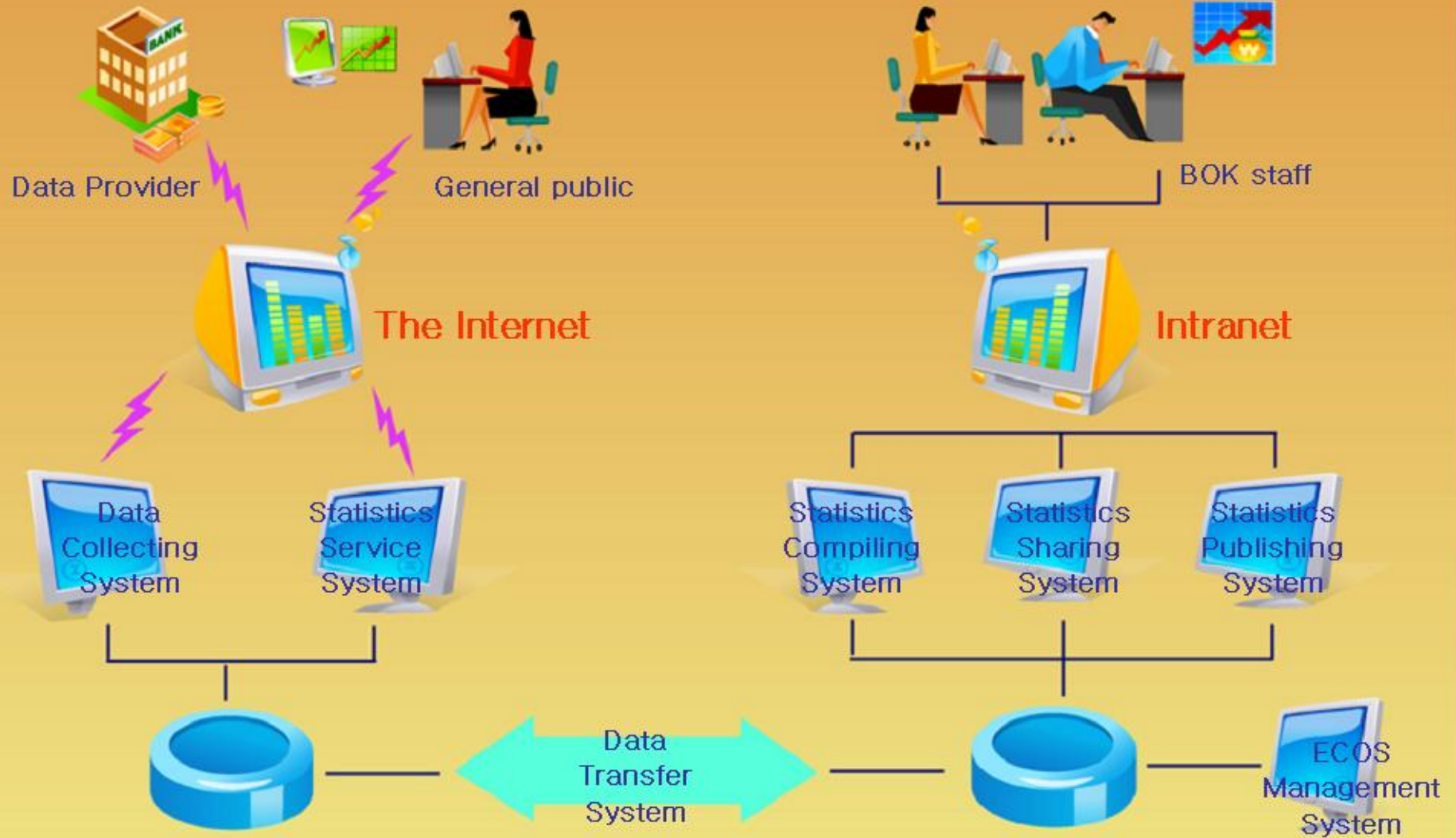


ECOS history (Con't)

- 2004. 1 Completed constructing ECOS
 - ▶ Available to anybody through the Internet
- 2005.10 Improved ECOS
 - ▶ Created Korean STAT 100 and enhanced the search function
- 2007. 2 Improved ECOS again
 - ▶ Increased the speed of transaction and communication and adding more services



2. ECOS System Map





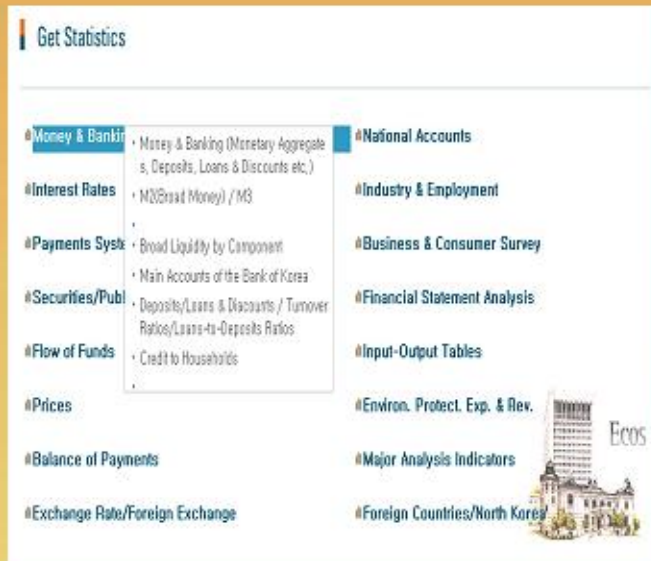
Subsystems	Function
Data transfer system	<ul style="list-style-type: none">- Transfer data automatically between Intranet and the Internet<ul style="list-style-type: none">• Transfer date automatically from Intranet to the Internet or from the Internet to Intranet at the appointed time• Record and manage data transferring detail
Data collecting system	<ul style="list-style-type: none">- Make it automated to gather statistical raw data through the Internet<ul style="list-style-type: none">• register survey form and the information about institutes submitting raw data• sending survey form through the Internet or inputting directly on the web page• encoding data at the time of collecting for information protection
Statistics service system	<ul style="list-style-type: none">- provide general public with principal statistics of BOK through the Internet<ul style="list-style-type: none">• transfer data of Intranet to the Internet automatically at the point of time when compiling staff set• anybody can use ECOS through the Internet• provide graph, period change, period change ratio with original statistics data• providing statistics periodical as Microsoft Excel, PDF, and so on



Subsystems	Function
Statistics compiling system	<ul style="list-style-type: none">- enable compiling staff to manage compiling processes<ul style="list-style-type: none">• standardize compiling processes using SAS and EXCEL• compile statistics and print out reports using Excel linked with ECOS DB• must get admission of responsible person to close compilation to prevent from modifying data after closing compilation
Statistics sharing system	<ul style="list-style-type: none">- enable BOK staff to search and use statistics with various methods<ul style="list-style-type: none">• conversion original data into period change and period change ratio and draw graph• rapid search using my statistics and popular statistics• search the statistical periodical linked with Statistics publishing system• retrieve data from ECOS DB using Microsoft Excel
Statistics publishing system	<ul style="list-style-type: none">- Make it to publish statistical periodicals<ul style="list-style-type: none">• Register and manage contents and form of periodical• Organize the statistics form using Microsoft Excel• Upload periodical files on Statistics sharing system and Statistics service system
ECOS management system	<ul style="list-style-type: none">- make it easy for management team to supervise ECOS<ul style="list-style-type: none">• manage user information and authorization• monitor statistics in ECOS• manage metadata such as tables and codes



3. Service



<Get statistics>

- Easy to retrieve statistics with the fewest mouse clicks
 - Statistical classifications are displayed when the mouse pointer is located on one of statistics titles
 - Related webpage is available when users choose the item which they want
 - A user can download the extracted result as Excel file and graph and period change are also available



Service (Con't)



<STAT100 (prompt)>

o Korean STAT100 with graph

- One hundred of most popular statistics is provided with the latest time series and graph
- Press release, detail data, and other related data menus are also supported
- The statistical value is available when the points of the graphs are pointed with mouse pointer
- Possible to print and save the graph on the screen

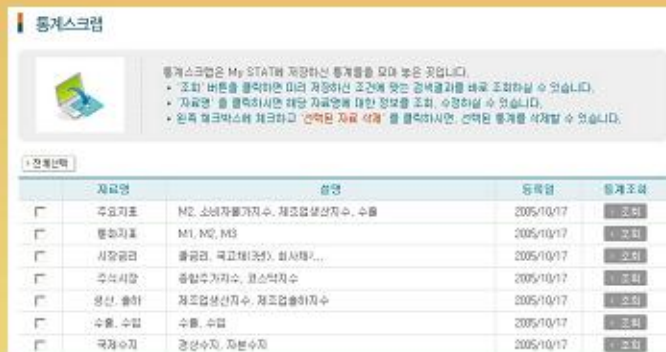


Service (Con't)



<Research paper/Periodical>

- Provide research papers and periodicals of BOK as PDF, Excel file



<My STAT : only for domestic>

- Enable users to save statistics items they referred to and use the saved statistics easily next time
- Users can get automatically updated statistics according to the condition which they made earlier



Service (Con't)

Press Release				
NO.	Title	Date	Hits	Attach
96	Gross National Income: The 3rd quarter of 2006 (preliminary)		23	
95	Trade Index & Terms of Trade in 3Q 06		23	
54	Real Gross Domestic Product: The 3rd Quarter of 2006 (advance)		168	
53	Gross National Income: The 2nd quarter of 2006 (preliminary)		152	
52	Trade Index & Terms of Trade in 2Q 06		67	
51	Real Gross Domestic Product: The 2nd Quarter of 2006 (advance)		249	
50	Loans to Industry by Commercial & Specialized banks(2006 1Q)		88	
49	Loans to Industry by Commercial & Specialized Banks(2005)		21	
48	Household Credit Trends		76	
47	Household Credit Trends		30	

<Press Release>

- Simultaneously posting press with detailed explanation
 - Enable the public to find the latest press easily in the main page of ECOS
 - Enable the public to search press with keyword or subject



4. Effect

- Increase the efficiency of statistics compilation and the productivity of Economic researches
 - Integrated processes from raw data collection through statistics distribution
- Enhanced data retrieval functions based on Web technologies
- A dedicated Web site for statistics service to the public
- Central data repositories to improve statistics management capability