Guide to Economic Statistics System (ECOS)

THE BANK OF KOREA
Economic Statistics Department
Contents

1. ECOS history
2. ECOS System Map
3. Service
4. Effect
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
<table>
<thead>
<tr>
<th>Subsystems</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data transfer system</td>
<td>- Transfer data automatically between Intranet and the Internet</td>
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<tr>
<td></td>
<td>• Transfer date automatically from Intranet to the Internet or from the Internet to Intranet at the appointed time</td>
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<td></td>
<td>• Record and manage data transferring detail</td>
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<td>Data collecting system</td>
<td>- Make it automated to gather statistical raw data through the Internet</td>
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<td></td>
<td>• Register survey form and the information about institutes submitting raw data</td>
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<td></td>
<td>• Sending survey form through the Internet or inputting directly on the web page</td>
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<td></td>
<td>• Encoding data at the time of collecting for information protection</td>
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<td>Statistics service system</td>
<td>- Provide general public with principal statistics of BOK through the Internet</td>
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<td></td>
<td>• Transfer data of Intranet to the Internet automatically at the point of time when compiling staff set</td>
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<td></td>
<td>• Anybody can use ECOS through the Internet</td>
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<td>• Provide graph, period change, period change ratio with original statistics data</td>
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<td></td>
<td>• Providing statistics periodical as Microsoft Excel, PDF, and so on</td>
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<tr>
<td>Subsystems</td>
<td>Function</td>
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</table>
| Statistics compiling system      | - enable compiling staff to manage compiling processes  
                                 |   - 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        | - enable BOK staff to search and use statistics with various methods  
                                 |   - 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     | Make it to publish statistical periodicals  
                                 |   - 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           | - make it easy for management team to supervise ECOS  
                                 |   - 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)〉

- 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 (Cont')

<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>

- 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

Guide to Economic Statistics System (ECOS)
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