MONGOLIA:

IMPLEMENTATION OF THE 2008 SNA

CONTENT

I. Administrative information

II. Methodologies

III. Classifications

IV. Data collection, processing and dissemination

V. Estimation

- Financial services
- Imputed rent

VI. Challenges

VII. Future activities
I. ADMINISTRATIVE INFORMATION

National legal framework
- Law of Mongolia on statistics;
- Mid-term program for development of official statistics of Mongolia for 2016-2020

Responsible authority
- NSO is responsible for collecting, processing, monitoring, disseminating for all short and mid-term official statistics and conducting censuses and surveys;
- Statistical offices of aimags & capital city submitted data collected from enterprises;
- Other organizations (Central bank, Ministry of Finance, General Taxation office, General Custom office)

II. Methodologies

Adopted methodologies on 2008 SNA:

- “The methodology for estimation of GDP and GNI”, 2013 (compliance with SNA 2008);
- “The methodology for compilation of goods and services accounts”, 2013 (SNA 2008);
- “The methodology for compilation of sequence of accounts”, 2013 (SNA 2008);
II. Methodologies

Adopted methodologies on 2008 SNA:

- “The manual for compilation of SUT and IOT”, 2013 (Eurostat Manual of Supply, Use and Input-Output Tables);

III. Classifications

Classifications are adopted and applied:

- “Classification of all economic activities, rev.4”, 2011 (UN ISIC rev4);
- “Central product classification”, 2011 (UN Central Product Classification Version 2.0);
- “Classifications of the functions, revenue and expenditure of the Government”, 2009 (UN Classifications of the Functions of Governments)
- “Classifications of goods and services of individual consumption by purpose”, 2008 (UN Classifications of Individual Consumption by Purpose);
III. Classifications

**Classifications are adopted and applied:**

- “Classification of economic sector”, 2015 (SNA 2008);
- “Classification of the purposes of non-governmental organizations”, 2011 (UN Classification of the Purposes of Non-Profit Institutions Serving Households);
- “Classification of financial and non-financial assets”, 2013 (SNA 2008);

### Compilation of GDP

<table>
<thead>
<tr>
<th>ACCOUNTS</th>
<th>NATIONAL</th>
<th>REG’L</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP by Production approach</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>GDP by Expenditure approach</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>GDP by Income approach</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

**Consolidated Accounts:**

- I: Production Account
- II: Generation of Income Account
- III: Allocation of Primary Income Account
- IV: Secondary Distribution of Income Account
- V: Use of Disposable Income Account
- VI: Capital Account
- VII: Rest of World Account
IV. Data collection, processing and dissemination

DATA SOURCES USED FOR GROSS DOMESTIC PRODUCT

- Household Socio-Economic Survey
- Labour Force Survey
- Establishment Census
- Financial Statistics of Government (Central bank, Financial auxiliaries, Insurance corporations and pension funds)
- NOE survey
- Agriculture census
- Population and housing census

DATA SOURCES USED FOR SUPPLY AND USE TABLES

- Consumer Price Statistics
- Producer Price Statistics
- Input-Output Survey
- Taxation data
- Business Register
- Establishment Census
- Business Statistics
- Household Socio-Economic Survey
- Financial Statistics of Government
- Monetary Statistics
- Labor Force Statistics
- Balance of Payment
- Foreign Trade Statistics
- Agriculture Census
- Population and Housing Census

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IV. Data collection, processing and dissemination

Dynamics and releases of NA:

1. GDP, annual estimates, by production approach, at current and 2010 constant prices

   **Timeseries:**
   - GDP at current prices, 1980-2015
   - GDP at 2005 constant prices, 1990-2013*
   - GDP at 2010 constant prices, 1990-2015

   **Releases:**
   - Current year expected results of GDP – *in May, August, November, February*
   - Preliminary estimates – *February of following year*
   - Actual estimates – *July of following year*

Dynamics and releases of NA – cont.:

2. GDP, annual estimates, by expenditure approach, at current and 2010 constant prices

   **Timeseries:**
   - GDP at current prices, 2000-2015
   - GDP at 2005 constant prices, 2005-2013*
   - GDP at 2010 constant prices, 2005-2015

   **Releases:**
   - Current year expected GDP – *in May, August, November, February*
   - Preliminary estimates – *February of following year*
   - Final estimates – *July of following year*

3. GDP, annual estimates, by income approach, at current prices

   **Timeseries:**
   - GDP at current prices, 1995-2015

   **Releases:**
   - Preliminary estimates – *May of following year*
   - Final estimates – *July of following year*
IV. Data collection, processing and dissemination

Dynamics and releases of NA – cont.:

5. GNI, annual, at current and constant prices

Timeseries:
- GNI at current prices, \(1980-2015\)
- GNI at 2005 constant prices, \(1990-2009\)
- GNI at 2000 constant prices, \(1980-1990\)
- GDP at 2010 constant prices, \(1990-2015\)

6. Regional GDP, annual, at current prices

Timeseries: GDP at current prices, by aimags, \(2000-2015\)

7. GDP and GNI per capita, tog; and by USD (WB Atlas method)

Timeseries: GDP per capita, tog, \(1990-2015\)

GDP per capita, USD, \(1999-2015\)

Releases:
- Preliminary estimates – May of following year
- Final estimates – July of following year

IV. Data collection, processing and dissemination

Dissemination

- Quarterly and annual GDP: bulletin, website;
- Preliminary RGDP, GNI: yearbook, website;
- Final annual GDP, GNI, RGDP: bulletin, yearbook, website;
- SUT, IOT: yearbook, website;
- Data are prepared and disseminated by request of users and international organizations: UNSD, WB, IMF, ADB, APO;
- NSO published “Main indicators of System of National Economy Balance and System of National Accounts”.
V. 1. Financial services

Subsectors of Financial corporations

<table>
<thead>
<tr>
<th>1993 SNA Financial corporation subsectors</th>
<th>2008 SNA Financial corporation subsectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Bank</td>
<td>S.121 Central Bank</td>
</tr>
<tr>
<td>Other Monetary and Financial Institutions - commercial banks, savings and credit cooperations</td>
<td>S.122 Other Monetary and Financial Institutions</td>
</tr>
<tr>
<td>Other financial intermediaries - non-banking financial organizations, foreign exchange bureau, money lenders</td>
<td>S.123 Money market funds</td>
</tr>
<tr>
<td>Financial auxiliaries - Mongolian stock exchange, securities brokers, agricultural commodity brokers</td>
<td>S.124 Non-Money-Market Investment Funds</td>
</tr>
<tr>
<td>Insurance corporations and pension funds – life and non-life insurance companies</td>
<td>S.125 Other financial intermediaries</td>
</tr>
<tr>
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<td>S.126 Financial auxiliaries</td>
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<tr>
<td></td>
<td>S.127 Captive financial institutions</td>
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<td></td>
<td>S.128 Insurance corporations</td>
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<td></td>
<td>S.129 Pension Funds</td>
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</tbody>
</table>

V. 1. Financial services

Current estimation method calculation of output of financial corporations

<table>
<thead>
<tr>
<th>Financial activities</th>
<th>Calculation methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central bank (S121)</td>
<td>Non-market output: cost approach (IC + COE + CFC + net taxes on production)</td>
</tr>
<tr>
<td>Deposit-taking corporations, except the central bank (S122)</td>
<td>Output = explicit charges + FISIM (L,D)+ acquisition and disposal of financial assets and liabilities in financial markets + revenue from non-principal activities</td>
</tr>
<tr>
<td>Other financial intermediaries, except insurance corp. (S123)</td>
<td>Output = explicit charges + FISIM (L)+ revenue from non-principal activities</td>
</tr>
<tr>
<td>Financial auxiliaries (S124)</td>
<td>Output = explicit charges + revenue from non-principal activities</td>
</tr>
<tr>
<td>Insurance corporations (S125)</td>
<td>Non-life insurance: accounting approach</td>
</tr>
<tr>
<td></td>
<td>Output = actual premiums earned + premium supplements - adjusted claims incurred</td>
</tr>
<tr>
<td></td>
<td>Life insurance output = actual premiums earned + premium supplements - benefits due - increases (plus decreases) in actuarial reserves and reserves for with-profits insurance and explicit fees</td>
</tr>
</tbody>
</table>
V. 2. Imputed rent for owner-occupied dwellings

**Current estimation**
- Imputed rent estimation was made for total number of HHs
- For the GDP estimation by production and expenditure approach estimation should include both actual and imputed rent

**Data source of estimation**
- Rentals by tenants - HIES
- Imputed value of housing services
  - Benchmark year – *Population and Housing Census (every 10 year)*, NSO
  - Cost estimation – *Consumer prices on housing services*, NSO

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V. 2. Imputed rent for owner-occupied dwellings

**Method of estimation of actual rent**

Actual rent value
- Rental value by tenants from HIES
  - Houses
  - Apartments
  - Traditional ger
- Distributed Rental value by tenants to total HHs by type of living conditions
V. 2. Imputed rent for owner-occupied dwellings

Method of estimation of Imputed rent

Coverage: Houses, Apartments, Single family house, Traditional ger

Estimation of imputed rent:

I step
No. of HHs living in own houses
- No. of HHs rented out the houses from HIES
  = Total No. of HHs living in the owner occupied houses

II step
Total No. of HHs living in the owner occupied houses
* Value of the Rent (ICP-2010) * CPI
  = Total imputed rent, mln. tog

III step
Maintenance (small repairs -from HIES)
* purchases of construction materials ( bedroom apartments cons-n service)
  = Intermediate consumption, mln. tog

VI. Challenges

1. FISIM estimated only for domestic economy, not included rest of world. Question is how to estimate FISIM on import and export.
VII. FUTURE ACTIVITIES

- Calculation of FISIM on imports and exports
- Revise backward estimation of GDP;
- Ensure implementation of 2008 SNA;
- Compile annual SUT at constant prices;
- Improve Government Finance Statistics;
- To transfer/use Chain index;
- Compile financial and other changes of volume accounts and balance sheets

THANK YOU FOR YOUR ATTENTION

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Good Luck!