

Distr.  
GENERAL

Working Paper 3 Add. 1  
5 November 2011

**ECONOMIC COMMISSION FOR  
EUROPE and  
CONFERENCE OF EUROPEAN  
STATISTICIANS**

**UNITED NATIONS STATISTICAL DIVISION  
EUROPEAN FREE TRADE ASSOCIATION**

**Workshop on the Implementation of the 2008 System of National Accounts**  
Kiev, 29 November-2 December 2011

Item 5 of the provisional agenda

**CURRENT STATUS WITH IMPLEMENTATION OF THE SNA<sup>1</sup> -  
COUNTRY PROFILES**

Prepared by UNECE Statistical Division

Addendum

Country Profiles<sup>2</sup>

**I. ALBANIA**

Main users and uses of the national accounts

1. *Main users are:* National Government, Bank of Albania, Academic and research sphere representatives, Business sphere, Non-profit institutions and International organisations.
2. *Most demanded data are:* **GDP and value added** by different details and breakdown (volume measures, breakdown by production and expenditure, GDP per capita, GDP structure by regions, size, juridical status and ownership of enterprises).

---

<sup>1</sup> In 19 countries from Eastern Europe, Caucasus and Central Asia (including Mongolia) and South East Europe (SEE) surveyed by UNECE.

<sup>2</sup> Sources: UNECE Survey on Implementation of 2008 SNA, countries' NSO websites and publications, responses to National Accounts questionnaires for UN, IMF SDDS and GDSS metadata. Profiles were last reviewed by countries in November 2011.

### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Change in inventories and statistical discrepancy is a balancing item. Classification used for economic activities is NACE revision 1 (defined 25 activities). Time series are available since 1996.
4. *Quarterly GDP compilation:* GDP is compiled by **output** approach in **current** and constant prices (*to be confirmed*). Seasonally adjusted and not adjusted series are available. Classification used for economic activities is NACE revision 1 (defined 7 main activities). Time series are available since 2001.
5. *Integrated accounts and tables:* Not available.
6. *Institutional sector accounts:* Not available
7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Technical assistance is provided by EU through the Instrument for Pre-Accession Assistance (IPA) (*to be updated*).
  - IPA 2007 (started February 2010-), has also project component for **Capacity building in national accounts**;
  - IPA 2008 Multi-Beneficiary programme on statistical cooperation (-) with core activity in NA project component as improvement of estimates of **gross fixed capital formation, inventories, consumption of fixed capital** and **value added in the service sectors**.

### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to items in **GDP and value added** (GDP at constant prices, Gross fixed capital formation, Regional accounts). 11 items are mentioned in general (include also items from **Integrated accounts, Institutional sector accounts** and **Financial accounts**).
10. *Basic statistics areas.* Improvements in domains of **Business statistics** and **Business registers** (including statistical units) are mentioned as most urgent.

### Modes of technical assistance requested

11. Training workshops for NSO staff (learning-by-doing), regional and international seminars/meetings and study visits are considered to be *most effective technical assistance*. Technical assistance is also needed in planning, communication with government, other providers of official statistics, respondents and users.

### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* There is a need for a long term plan for NA improvement, including tasks related to the statistical infrastructure required to meet NA needs. The plan needs to be practical, sequential and incorporate steps to satisfy the needs for achieving at least the minimum international (Eurostat) requirements.

13. *Existence of specific implementation plan for 2008 SNA.* **Not yet.**

## II. ARMENIA

### Main users and uses of the national accounts

1. *Main users are:* National Government, Central Bank of Armenia, International organisations, Academic and research sphere representatives and Business sphere.

2. *Most demanded data are:* **GDP and value added** by different details and breakdown (volume measures, breakdown by production and expenditure, GDP per capita).

### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is NACE revision 1.1 (A17 level). Time series are available since 1990 (since 2000 by NACE).

4. *Quarterly GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Seasonally adjusted and not adjusted series are available. Classification used for economic activities is NACE revision 1.1 (A17 level). Time series are available since 1992 (since 2000 by NACE).

5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1990. Cross-classification of value added by industries and sectors is available. Experimental compilation of Supply and Use tables took place in 2008 based on the results of pilot sample survey (not published yet).

6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1990.

7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Ongoing work includes continuous improvement of **GDP at constant prices** and **data sources**. Currently, technical assistance is provided by EU through TWINNING project.

- Current TWINNING project (from January 2011 – to January 2013) with Statistics Denmark as the core partner includes also project component for **Exhaustiveness of GDP** with aim to introduce Eurostat tabular approach for exhaustiveness into practice in national accounts.

#### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to items in **GDP and value added** (improvement of GDP at constant prices, Quarterly accounts, FISIM). 7 items are mentioned in general (include also items from **Financial accounts** and **Balance sheets**).

10. *Basic statistics areas.* Improvements in domains of **Business statistics** and **Business registers** (including administrative registers) are mentioned as most urgent.

#### Modes of technical assistance requested

11. Training workshops, regional and international seminars/meetings and special practical guidelines are considered to be *most effective technical assistance*. Guidelines on implementation strategy for SNA 2008 and global priorities as well as some practical issues of implementation in other countries are also considered to be very useful.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* The Law "On State statistical three year work plan for 2011-2013 mentions work to be done in national accounts. Particularly, it includes work on further development of national accounts statistics, like consumption of fixed capital, FISIM measurement, non-observed economy, input-output tables and implementation of NACE rev. 2 into national accounts.

13. *Existence of specific implementation plan for 2008 SNA.* **Not yet.** General declaration on implementation in the Law "On State statistical three year work plan for 2010-2012".

### **III. AZERBAIJAN**

#### Main users and uses of the national accounts

1. *Main users are:* National Government, National Bank, Academic and research sphere representatives, Non-profit institutions, Business sphere and Media.

2. *Most demanded data are:* **GDP and value added** by different details and breakdown (volume measures, breakdown by production, expenditure and income side), main aggregates from **Integrated accounts** (Gross national income and Gross national disposable income), as well as **Household sector accounts** (income, expenditure, gross capital formation).

### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Double deflation is not yet fully implemented, since there is a lack of some indices in services. Classification used for economic activities is NACE revision 1.1 (in output approach by 2 digit level and in income approach by section or sub-section level). Time series are available since 1991.
4. *Quarterly GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Classification used for economic activities is NACE revision 1.1 (section level). Time series are available since 1998.
5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1991. **Input-Output tables** are compiled and published every 5 year since 2001. **GDP by regions** is compiled since 2007. Experimental compilation of Tourism account and ICT account took place in 2008 (not published).
6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1991.
7. *Financial Accounts, balance sheets and other changes in asset accounts:* Annually, **financial accounts for all institutional sectors** are compiled since 2007 (not published yet).

### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Currently, technical assistance is provided by EU through TWINNING project.
  - Current TWINNING project (from 2009 – to 2011) is concentrated into items in national accounts. Particularly, improvement of **price indices** for use in national accounts, **Institutional sector accounts, Input-Output tables, financial account, consumption of gross fixed capital formation** and estimates of **non-observed economy**.

### Priority areas for future improvement

9. *National accounts areas.* Highest priority is given to **Balance sheets**. Other priorities are items in **GDP and value added** (improvement of calculations of holding gains/losses, FISIM and R&D). 4 items are mentioned in general. The compilation of Employee stock option is also mentioned as an additional priority.
10. *Basic statistics areas.* Improvements in domain of **Financial statistics** are mentioned as most urgent.

### Modes of technical assistance requested

11. Training workshops within the country, international training workshops, on the job trainings and special practical guidelines are considered to be *most effective technical assistance*.

### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* Development of statistics on national accounts are included in the State Program on "The improvement of official statistics in the Republic of Azerbaijan in 2008-2012" and "Action Plan for the improvement of statistical data on national accounts in 2009-2011".

13. *Existence of specific implementation plan for 2008 SNA.* **Yes.** In April 2009, the State Statistical Committee of Azerbaijan approved an Action Plan for improvement of statistics in national accounts for 2009-2011. In particular the following activities were planned:

- Improvement of methods for measuring the output of the informal sector and illegal activities (2010-2011);
- FISIM improvements (2011);
- Improvement of GDP calculation at constant prices (2010-2011);
- Improvement of calculation of consumption of fixed capital (2010-2011);
- Improvement of accounting in SNA of the data on expenditure for research and development (R&D) (2010-2012);
- Improvement of accounting in SNA of the data like military expenditures (2010-2011);
- Data for market and non-market activities of Central Bank (2011).

#### IV. BELARUS

##### Main users and uses of the national accounts

1. *Main users are:* National Government, Academic and research sphere representatives and Business sphere.
2. *Most demanded data are:* **GDP and value added** by different details and breakdown (breakdown by production and expenditure in current and constant prices, by income components, GDP per capita).

##### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is NACE Rev 1 (by **XX** level breakdown). Time series are available since 1990 (since **2010** by NACE). (*to be updated*)
4. *Quarterly GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Seasonally adjusted and not adjusted series are available. Classification used for economic activities is NACE Rev 1 (by **XX** level breakdown). Time series are available since 1992 (since **2010** by NACE). (*to be updated*).

5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1990. Supply and Use or **Input-Output tables** are compiled annually since 2003.
6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1990.
7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Currently there are no technical assistance programs in national accounts.

#### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to items in **GDP and value added** (GDP at constant prices, FISIM allocation and Regional accounts). 3 items are mentioned in general. Also several areas were mentioned as priorities related to SNA 2008 implementation, which are:
  - Research and development (R&D),
  - Informal sector,
  - Allocation of the output of central banks,
  - Financial services,
  - Goods for Processing,
  - Merchanting.
10. *Basic statistics areas.* Improvements in domain of **Classifications** (introduction of classification of types of economic activities) were mentioned as most urgent.

#### Modes of technical assistance requested

11. Training workshops for Belstat staff, learning-by-doing and special region-oriented practical guidelines are considered to be *most effective technical assistance*. Translation of SNA 2008 into Russian is also essential.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* The main areas for improving national accounts in "The Program of Development of State Statistics of the Republic of Belarus for 2006-2010" are: the development of methodology of national accounts using NACE, the development of a full set of accounts in accordance with the recommendations of SNA 93. (*to be updated*)
13. *Existence of specific implementation plan for 2008 SNA.* **Not yet.** Belstat will follow CISSTAT recommendations.

## V. BOSNIA AND HERZEGOVINA

### Main users and uses of the national accounts

1. *Main users are:* No reply.
2. *Most demanded data are:* No reply.

### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices since 2000 and by **income** approach in current prices since 2005. Classification used for economic activities is NACE revision 1.1 (A60). Compliance with SNA 1993 is partial. GDP by output approach is prepared by three statistical institutions. Compilation procedures are not transparent enough and it is very difficult to assess the quality and consistency.
4. *Quarterly GDP compilation:* Not available.
5. *Integrated accounts and tables:* Not available.
6. *Institutional sector accounts:* Not available.
7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Technical assistance is provided by **EU** through the Instrument for Pre-Accession Assistance (IPA).  
- IPA 2008 Multi-Beneficiary programme on statistical cooperation (December 2009 – July 2011) covers improvement of estimates of **gross fixed capital formation, inventories, consumption of fixed capital** and **value added in the service sectors**.

### Priority areas for future improvement

9. *National accounts areas.* Highest priority is given to **Institutional and capacity building** items to reach consensus in development of National accounts in the country. Other priorities mentioned refer to items in **Institutional sector accounts** (establishment of institutional sectors and production and income generation accounts for general government sector). 3 items are mentioned in general.  
Gross fixed capital formation and financial services are defined as priorities for SNA 2008 implementation.
10. *Basic statistics areas.* Improvements in domains of **Business statistics, Prices, Economic accounts** (economic accounts for agriculture) and **Labour costs** (labour force survey) are mentioned as most urgent.



### Modes of technical assistance requested

11. Training workshops in a country and special practical guidelines are considered to be *most effective technical assistance*.

### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics*. The development of annual and then quarterly national accounts is aimed as medium-term goal.

13. *Existence of specific implementation plan for 2008 SNA*. **Not yet**.

## **VI. CROATIA**

### Main users and uses of the national accounts

1. *Main users are*: National Government, Academic and research sphere representatives and Business sphere.

2. *Most demanded data are*: **GDP and value added** by different details and breakdown (breakdown by expenditure with more details on export and import (by main products and services) as well as structure of gross capital formation by economic activities (sections of NACE), regional GDP (by NUTS III)).

### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation*: GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is NACE revision 1.1 (A60 level). Time series are available since 1995.

4. *Quarterly GDP compilation*: GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Classification used for economic activities is NACE revision 1.1 (A17 level). Time series are available since 2000.

5. *Integrated accounts and tables*: Annually, **all accounts (until net lending) for total economy** are available for 2002-2007. **Regional** GDP as well as gross fixed capital formation and employment are compiled since 2000. The first supply and use table for 2004 in current prices were balanced during 2011.

6. *Institutional sector accounts*: Annually, **all accounts (until net lending) for all institutional sectors** are available since 1991. In 2011 annual non-financial sector accounts have been revised for the period 2002 – 2007.

7. *Financial Accounts, balance sheets and other changes in asset accounts*: Central Bank compiled annual **financial accounts** compliant with SNA 93 and ESA95.

### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* A small statistical revision (mainly methodological in nature) was done in 2010. Seven topics were the subject to this revision mostly referring to items in **GDP and value added** (output issues, taxes and subsidies, etc.) and to an issue with cross-border flows of compensation of employees. Implementation of NACE rev. 2 into National accounts should be mentioned as ongoing work. The revision will cover period from 1995 onwards for annual data and period from 2000 onwards for quarterly data. Currently, technical assistance is provided by **EU** through the Instrument for Pre-Accession Assistance (IPA).

- IPA 2007 Multi-Beneficiary programme for statistics (12/2009 – 07/2011) covers improvements of estimates of **gross fixed capital formation, inventories, consumption of fixed capital and value added in the service sectors.**

- IPA 2009 Multi-Beneficiary programme on statistics (**01 /2011 –09/2012**) covers improvements of **constant price estimates** in annual and quarterly GDP by production and expenditure approach.

#### Priority areas for future improvement

9. *National accounts areas.* Priorities are given to annually and quarterly **Institutional sector accounts**, regularly compilation of **supply and use tables** as well as Input/Output tables, developing National Accounts database.

10. *Basic statistics areas.* Improvements in domains of **Business statistics and Business registers** are mentioned as most urgent.

#### Modes of technical assistance requested

11. Training workshops in a country are considered to be *most effective technical assistance.*

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* Main goal is to develop national accounts in accordance with SNA 1993 and ESA 95 and to continue the implementation towards the SNA 2008.

13. *Existence of specific implementation plan for 2008 SNA.* **Yes.** Priorities are given to: military expenditure, improvements of NOE measures, harmonisation of the SNA with other areas of macroeconomic statistics.

## **VII. GEORGIA**

#### Main users and uses of the national accounts

1. *Main users are:* National Government, National Bank, International organisations, Academic and research sphere representatives and Media.

2. *Most demanded data are: **GDP and value added** by different details and breakdown (volume measures, breakdown by production and expenditure, Labour productivity in current and constant prices) and Gross national income as well as Supply and Use tables from **Integrated accounts and tables**.*

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation: GDP is compiled by **output** approach in current and constant prices and by **income** and **expenditure** approaches in current prices. Classification used for economic activities is NACE revision 1.1 (A45 level). Time series are available since 1990.*

4. *Quarterly GDP compilation: GDP is compiled by **output** approach in current and constant prices and by **income** and **expenditure** approaches in current prices. Seasonally adjusted and not adjusted series are available. Classification used for economic activities is NACE revision 1.1 (A17 level). Time series are available since 1996.*

5. *Integrated accounts and tables: Annually, **all accounts (until net lending) for total economy** are available since 1996. **Regional GDP** is compiled since 1998. Supply and use tables are compiled since 2001. Tourism accounts were compiled quarterly for a period of 2006-2008, but have been stopped due to discontinuation of surveys made by Tourism Department.*

6. *Institutional sector accounts: Not any accounts for institutional sectors are available at this stage. However, there are plans to compile accounts for all institutional sectors step by step in the next 3 years. For 2012 these plans include compilation of capital accounts for institutional sectors.*

7. *Financial Accounts, balance sheets and other changes in asset accounts: Not available.*

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance. Recently finished projects with UNDP and by World Bank IDF grant allowed to have improved NOE estimations and the Supply and Use Tables by 45 activities and 67 Products in current prices. Work on **Institutional sector accounts** and **GDP by expenditure in constant prices** is ongoing:*

- Long term cooperation is established with Statistics Sweden (3 year cooperation financed by SIDA). The cooperation covers all statistical issues where National Accounts are one of the general fields. In the next 3 years there are plans to compile GDP by expenditure in constant prices and Institutional sector accounts.

#### Priority areas for future improvement

9. *National accounts areas. Higher priorities are given to items in **GDP and value added** (Non-observed economy issues in education, retail trade, food industry, etc. and unit value indices for export and import) and in **Institutional sector accounts** (sector accounts). 3 items are mentioned in general.*

During SNA 2008 implementation, FISIM estimation and compilation of financial and capital accounts are foreseen as main areas, where *technical assistance is most needed*.

10. *Basic statistics areas*. Improvements in domains of **Prices** and **Business registers** (issues with exhaustiveness in some sectors) are mentioned as most urgent.

#### Modes of technical assistance requested

11. Training workshops and study visits for staff, seminars for other producers of national accounts statistics in a country and for users are considered to be *most effective technical assistance*. Special guidelines for some areas would be also very useful.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics*. Main goals in the improvement of national accounts include development of capital account, sector accounts, export and import unit value indices input-output tables, social accounting matrix.

13. *Existence of specific implementation plan for 2008 SNA*. **Not yet**.

## **VII. KAZAKHSTAN**

#### Main users and uses of the national accounts

1. *Main users are*: National Government, Academic and research sphere, Business sphere, Media and Non-profit institutions.

2. *Most demanded data are*: **GDP and value added** by different details and breakdown (nominal and volume measures, breakdown by expenditure and income components, GDP per capita, regional GDP (in current and constant prices as well as per capita)) and main aggregates from **Integrated accounts** (Gross national income, Gross national disposable income and Gross saving).

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation*: GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities was NACE revision 1 (section level) up to 2009 data and since 2010 data is NACE revision 2 (section level). Time series are available since 1990 (since 1998 by NACE rev. 1 and since 2010 by NACE rev. 2).

4. *Quarterly GDP compilation*: GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities was NACE revision 1 (section level) up to 2009 data and since 2010 data is NACE revision 2 (section level). Time series for output and expenditure approaches are

available since 1994 (since 1998 by NACE rev.1 and since 2010 by NACE rev.2) and for income approach – since 2008.

5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1990. Cross-classification of value added by industries and sectors is available. **Regional GDP** is compiled since 1990 for annual data and since 2008 also for quarterly data. Input-Output tables are compiled since 2000 using **Supply and use** tables (251\*73). For 1994-1999 Inter-branch balance with short variant is available. Tourism accounts are compiled since 2005 and are available since 2003 annual data.

6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1990.

7. *Financial Accounts, balance sheets and other changes in asset accounts:* Annually, **financial accounts for all institutional sectors** are compiled since 2003. Since 2003, **other changes in asset accounts** are compiled experimentally for all institutional sectors (not published yet).

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Work on implementation of SNA 2008 has started according to plan. SNA 93 study course for NSO employees is organised by 3 levels: high level professionals, middle level professionals and professionals from regional offices. Currently, technical cooperation project between Kazakhstan statistics and statistics Norway **is in progress (to be updated)**:

- Technical cooperation between Kazakhstan statistics and statistics Norway (**from 2009 to -**) on course of SNA-NT software and methodology of compilation **Supply and Use tables** using SNA-NT software.

#### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to items in **GDP and value added** (improvement of GDP at constant prices or double deflation method, FISIM, R&D and military expenditure). 9 items are mentioned in general (include also items from **Institutional sector accounts**).

As SNA 2008 implementation plan is already developed, there are also detailed priorities from SNA 2008 recommendations, which are:

- Financial services,
- Research and development (R&D),
- Military expenditures,
- Allocation of the output of central banks,
- Ancillary units,
- Holding companies, special purpose entities, trusts,
- Treatment of multi-territory enterprises,
- Non-resident unincorporated units,
- Non-resident SPEs controlled by government,
- Informal sector,
- Illegal activities,

- Public/private/government sectors delineation.

10. *Basic statistics areas.* Improvements in domains of **Business statistics** and **Business registers** (including administrative registers) are foreseen as most urgent.

#### Modes of technical assistance requested

11. Training workshops for ASRK staff, regional offices staff and other producers of statistics, international seminars with ASRK staff participation as well as an expert assistance for 3-6 months in the country are considered to be *most effective technical assistance*. Guidelines and methods for issues mentioned in point 12 will be needed also during implementation of SNA 2008.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* Implementation of the 2008 SNA is defined as one of the strategic directions of development of national accounting for 2010-2014.

13. *Existence of specific implementation plan for 2008 SNA.* **Yes.** The plan for **2010** envisaged the study of methods for accounting the expenditure on research and development and methodological issues of FISIM (*to be updated*). Recommendations from SNA 2008 which directly affect GDP are planned to be implemented in next five years.

## **IX. KYRGYZSTAN**

#### Main users and uses of the national accounts

1. *Main users are:* National Government, National Bank, International organisations and Academic and research sphere.
2. *Most demanded data are:* **GDP and value added** by different details and breakdown (nominal and volume measures, deflators, breakdown by production, expenditure and income components, GDP per capita) and main aggregates from **Integrated accounts** (Gross operating surplus/mixed income, Gross national income, Gross national disposable income and Gross saving).

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is NACE revision 1 (A17 level). Time series are available since 1990 (since 2000 by NACE).
4. *Quarterly GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Classification used for economic activities is NACE revision 1 (A17 level). Time series are available: for output approach since 1993 (since 2000 by NACE) and for expenditure approach since 1995.

5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1990. Cross-classification of value added by industries and sectors is available. **Regional GDP** is compiled since 1995 for annual data. Since 1996, Input-Output tables are compiled using **Supply and use** tables (34\*34, while for 1998 it was broadened to 34\*91 and for 2003 – to 54\*91). Inter-branch balance is available since 1972. **Social Accounting matrix** was compiled for 2003, and **supplementary accounts for Non-profit institutions** were compiled in 2008 following Handbook on NPI in National accounts, UN 2006.
6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1990.
7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* In program for development of statistics for 2010-2014 there are several items related to national accounts which can be treated as ongoing work. These activities include development of methodologies and experimental calculations in financial accounts, balance sheets and continuation of work on non-observed economy and regional GDP calculations.

Also work on consumption of gross fixed capital formation and supply and use tables are mentioned in the program, which should be done with technical assistance of Statistics Finland. The project in frame of EU TACIS Statistics-11 program on development of quarterly GDP in average prices of the previous year and in constant 2005 prices including seasonal adjustments was finished in 2010.

#### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to items in **GDP and value added** (FISIM allocation, holding gains and changes in inventories) and in **Institutional sector accounts** (allocation of property incomes by institutional sectors). So far, 19 items are mentioned in general (include also items from **Integrated accounts and tables, Financial accounts** and **Balance sheets**).

Unless SNA 2008 implementation plan is not fully developed yet, but some detailed priorities from SNA 2008 recommendations are foreseen already:

- Financial services,
- Allocation of the output of central banks,
- Taxes on holding gains,
- Interest under high inflation,
- Research and development (R&D),
- Cost of capital services,
- Mineral exploration,
- Contracts, leases and license,
- Obsolescence and consumption of fixed capital,
- Ancillary units,
- Holding companies, special purpose entities, trusts,
- Treatment of multi-territory enterprises,

- Definition of economic assets,
- Assets, liabilities and personal effects of individuals changing residence (migrants transfers),
- Financial assets classification.

10. *Basic statistics areas.* Improvements in domain of **Classifications** (introduction of new classification compatible with NACE rev. 2) are foreseen as most urgent.

#### Modes of technical assistance requested

11. Regional and international seminars on SNA implementation, presentation of some practical issues on implementation from advanced countries and practical guidance on compilation from international and regional organisations (OECD, CISSTAT, etc.) are considered to be *most effective technical assistance*.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* The State Programme on the further development of the statistical information system in Kyrgyz Republic for 2010-2014 includes work on improvement of measures of non-observed economy, holding gains and losses, consumption of fixed capital and experimental calculations of financial account, balance sheets and other changes in assets.

13. *Existence of specific implementation plan for 2008 SNA. Not yet.* In the State program of further development of the statistical information system in the Kyrgyz Republic for 2010-2014 a general item "Study and implementation of SNA-1993 (Rev.1) definitions" is included.

## **X. THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA**

#### Main users and uses of the national accounts

1. *Main users are:* National Government, National Bank, Academic and research sphere and Business sphere.
2. *Most demanded data are:* **GDP and value added** by different details and breakdown (breakdown by production, GDP per capita, GDP structure by size and ownership of enterprises, estimates of non-observed economy (exhaustiveness)). Recently some increasing interest is visible for **Integrated accounts and tables** like main aggregates from accounts (Gross national income) as well as Supply and Use tables.

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Classification used for economic activities is NACE revision 2 (A60 level). Time series are available since 1997 (2009-2010 by NACE revision 2).



4. *Quarterly GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Classification used for economic activities is NACE revision 1 (A60 level). Time series for GDP by output approach are available since 1997 and for GDP by expenditure approach since 2003.

5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1994. Cross-classification of value added by industries and sectors is available. **Regional** GDP is compiled by NUTS 3 level since 2000 (up to 2009 using NACE revision 1, since 2010 data NACE revision 2 will be used). Input-Output tables were compiled for 2000 and 2005 using **Supply and use** tables (60\*60). **Economic Accounts** for agriculture are compiled since 1998 at current prices and since 2006 also at constant prices.

6. *Institutional sector accounts:* Annually, **all accounts for all institutional sectors** are compiled only for one year 2008 (not published yet).

7. *Financial Accounts, balance sheets and other changes in asset accounts:* Financial Accounts, balance sheets and other changes in asset accounts, were compiled for 2008 (not published yet). The balancing process for non-financial and financial accounts is needed.

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* The SSO is working on improvements of producing **supply and use tables** at constant prices on an annual basis and **input-output tables**. The SSO put efforts on compilation of **Institutional sector accounts** and on **regional GDP** by NUTS. Some experimental calculations are made by **COFOG and COPNI classifications**. Work is in progress to integrate **Economic accounts for agriculture** into national accounts. Currently, technical assistance is provided by EU:

- IPA 2008 (12.2009 – 09.2011), has also project components on improving source data for **gross fixed capital formation** and **tourism data**.

- IPA 2007 Technical Assistance to the State statistical Office for further **harmonized national accounts** and other monetary and financial statistics (02.2010-01.2012).

- IPA 2009 Multi - beneficiary statistical cooperation programme - to continue the process of progressively integrated the SSOM into the European Statistical System (ESS) and continues to support sustainable capacity building with the aspect of **quarterly constant price estimates**.

#### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to items in **Integrated accounts** (non-financial assets, amortisation of non-produced assets) and **GDP and value added** (R&D expenditure). 11 items are mentioned in general.

During SNA 2008 implementation priorities are given to:

- Employers' pension schemes
- Amortization of non-produced assets
- Informal sector
- Illegal activities
- Goods for Processing.

10. *Basic statistics areas.* Improvements in domains of **Business Statistics** (market services) and **Price statistics** are most urgent. Satellite accounts are also important for exhaustiveness of national accounts data.

#### Modes of technical assistance requested

11. Training in the country, international seminars, study visits and on the job training are considered to be *most effective technical assistance*.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* Main goals are further harmonization of the national accounts and other economic statistics with ESA 95, development of government finance statistics and monetary statistics in line with ESA 95, harmonisation with basic statistics data.

13. *Existence of specific implementation plan for 2008 SNA. Not yet.*

## **XI. MOLDOVA**

#### Main users and uses of the national accounts

1. *Main users are:* National Government, Academic and research sphere, Business sphere, Non-profit institutions and Media.

2. *Most demanded data are:* **GDP and value added** by different details and breakdown (breakdown by production, expenditure and income components, estimates of non-observed economy (exhaustiveness), details on taxes and subsidies on production) and some items from **Integrated accounts** like property income, current and capital transfers.

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is NACE revision 1.1 (**A45 level**) (*to be confirmed*). Time series are available since 1995 (for 1995-2000 by ISIC rev. 3 and since 2001 - by NACE rev. 1.1). There are experimental calculations for 1993-1994.

4. *Quarterly GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Classification used for economic activities is NACE revision 1.1 (**A45 level**) (*to be confirmed*). Time series are available since 1995.

5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1995 (experimental calculations exist for 1989-1994). Cross-classification of value added by industries and sectors is available. **Regional GDP** was compiled for 2000-2001. There are plans to compile Regional GDP by economic regions in the future.

**Supply and use** tables are compiled since 1995 (for 1995-2001 by 25 economic activities, 2002-2006 – by 47 and since 2007 – by 54 economic activities). Input-Output tables were experimentally compiled for 1998 using breakdown by 91 economic activities.

6. *Institutional sector accounts*: Annually, **all accounts (until net lending) for all institutional sectors** are available since 1995.

7. *Financial Accounts, balance sheets and other changes in asset accounts*: Not available.

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance*. Ongoing work includes continuous improvement of national accounts. Currently, technical assistance is provided by Statistics Norway (*to be updated*).

- Technical assistance project by Statistics Norway (-) on improvement of quarterly GDP at constant prices.

#### Priority areas for future improvement

9. *National accounts areas*. Higher priorities are given to items in **GDP and value added** (FISIM allocation, Regional accounts). 4 items are mentioned in general (include also items from **Financial accounts** and **Balance sheets**).

10. *Basic statistics areas*. Improvements in domains of **Business statistics** (short term statistics) and **Price statistics** (producer price index) are most urgent.

#### Modes of technical assistance requested

11. Methodological guidelines in Russian (including SNA 2008 translation), permanent consultations by expert in national accounts and training for national accountants are considered to be *most effective technical assistance*.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics*. Main areas of national accounts mentioned in the strategy are regional GDP, financial accounts, improved NOE, use of sophisticated price indexes for market and nonmarket production.

13. *Existence of specific implementation plan for 2008 SNA*. **Not yet**.

## **XII. MONGOLIA**

#### Main users and uses of the national accounts

1. *Main users are*: National Government, Central Bank, International organisations, Academic and research sphere and Individuals.

2. *Most demanded data are: **GDP and value added** data (GDP breakdown by 3 approaches, by regions, ownership and GDP per capita) and Supply and Use tables from **Integrated accounts and tables**.*

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation: GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is ISIC revision 4 (published by 19 divisions). Time series for output approach are available since 1980 (by ISIC since 1990), for income approach since 1995 and for expenditure approach since 2000 (by constant prices since 2005).*

4. *Quarterly GDP compilation: GDP is compiled by **output** approach in current and constant prices. Classification used for economic activities is ISIC revision 4 (published by 3 main activities: agriculture, industry and construction, services). Time series are available since 2000.*

5. *Integrated accounts and tables: Annually, **all accounts (until net lending) for total economy** are available since 2005. **Regional** GDP is compiled since 2000. **Supply and use** tables are compiled for 2000 and 2005 (2010 is ongoing).*

6. *Institutional sector accounts: Annually, **all accounts (until net lending) for all institutional sectors** are available since 2005.*

7. *Financial Accounts, balance sheets and other changes in asset accounts: Not available.*

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance. Ongoing work includes improvements in **annual** and **quarterly national accounts** and **Institutional sectors** and **NOE**. Currently technical assistance is provided by **World Bank**.*

*- **Government loan from World Bank “MONSTAT” project** (2010-2014) on improvement of business register and administrative register, compilation of SUT, improvements in compiling annual and quarterly national accounts, introduce standard classifications, improvements in institutional accounts, estimation of non-observed economy, environmental accounts and improving price statistics.*

#### Priority areas for future improvement

9. *National accounts areas. Highest priority is given to items in **GDP and value added** (annual and quarterly GDP). Also, items from **Institutional sector accounts** and **Integrated accounts and tables** are mentioned.*

10. *Basic statistics areas. Improvements in domain of **Business statistics** and **Price statistics** (producer price index, wholesale and retail prices, etc.) are mentioned as most urgent.*

#### Modes of technical assistance requested

11. Training workshops, international and regional seminars, study visits and on the job training are considered to be *most effective technical assistance*. Also translation and integration of guidelines is needed.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics*. National Strategy for Development of Statistics (NSDS) for 2011-2015 includes implementation of System of National accounts and improvement of business statistics.

13. *Existence of specific implementation plan for 2008 SNA*. **Not yet**. Draft implementation plan for NSDS, includes also implementation of the 2008 SNA.

### **XIII. MONTENEGRO**

#### Main users and uses of the national accounts

1. *Main users are*: National Government, Central Bank, Academic and research sphere and Business sphere.

2. *Most demanded data are*: **GDP and value added** by different details and breakdown (nominal and volume measures, breakdown by production and expenditure categories).

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation*: GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Change in inventories is a residual and balancing item. Classification used for economic activities is NACE revision 1 (A17 level). Time series are available since 2000 (for constant prices by expenditure approach since 2008).

4. *Quarterly GDP compilation*: Not available currently. IPA 2007 national project (completed in June 2011) has introduced compilation of quarterly GDP by output and expenditure approaches is on the way. First results are expected in 2012.

5. *Integrated accounts and tables*: **Only Production account for total economy** is estimated.

6. *Institutional sector accounts*: Not available.

7. *Financial Accounts, balance sheets and other changes in asset accounts*: Not available.

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Technical assistance is provided by **EU** through the Instrument for Pre-Accession Assistance (IPA). Also **IMF** provides technical support.
- IPA 2007 multi-beneficiary project (October 2008 – March 2010): documents “Detail description of sources and methods used for compiling **non-financial national accounts**” and Self-assessment questionnaire;
  - IPA 2007 national project (August 2009 – June 2011): **Quarterly GDP estimation, exhaustiveness, annual GDP at constant price;**
  - IPA 2008 multi-beneficiary project (December 2009 – June 2011): selection of topics (for improving annual compilation of **GDP by output** and **expenditure** approach at current prices);
  - IMF technical support project for **Improving the quality of the national accounts** statistics.

#### Priority areas for future improvement

9. *National accounts areas.* Defined priorities from SNA 2008 recommendations are:
- Public/private/government sectors delineation,
  - Mineral exploration,
  - Military expenditures,
  - Cultivated assets,
  - Allocation of the output of central banks,
  - Financial services.
10. *Basic statistics areas.* Improvements in domain of **Business statistics** are most urgent.

#### Modes of technical assistance requested

11. Study visits and participation on regional international seminars are considered to be *most effective technical assistance*.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* Future plans in National accounts include the following.

##### Short term:

- further harmonization of national accounts with ESA 95 methodology,
- improving estimation of non-exhaustiveness of annual GDP,
- introduction of estimation of GDP by institutional sectors for 2009 and 2010,
- update Detail description in publications,
- quarterly GDP estimation based on the indirect method,
- GNI estimation,

##### Medium -term:

- revision of annual GDP for the period of 2005-2011 in 2013,
- improving estimation method for changes in inventories,
- improving estimation of GDP by expenditure at constant prices,
- introduction of estimation of GDP at quarterly level,

- introduction of estimation of Government Finance Statistics data following ESA 95 concept;
13. *Existence of specific implementation plan for 2008 SNA. Not yet.*

#### **XIV. RUSSIAN FEDERATION**

##### Main users and uses of the national accounts

1. *Main users are:* National Government, Academic and research sphere, Business sphere, Non-profit institutions and Individuals.
2. *Most demanded data are:* **GDP and value added** by different details and breakdown (GDP in current and constant prices, by expenditure and income components) and some main aggregates from **Integrated accounts** like saving and disposable income.

##### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is NACE revision 1 (A17 level). Time series are available since 1995 (since 2002 by NACE).
4. *Quarterly GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is NACE revision 1 (A17 level). Time series are available since 1995 (since 2003 by NACE).
5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1995. Cross-classification of value added by industries and sectors is available. **Regional GDP** is compiled also since 1995. Input-Output tables and **Supply and use** tables are available since 1995 (short tables using All-Union classification of branches of the National Economy for 1995-2003 and experimental short tables since 2004 by 17 sections of NACE rev. 1).
6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1995.
7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

##### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Ongoing work includes continuous improvement of national accounts, aimed to implement full set of accounts.

##### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to imputed rent issue from **GDP and value added**, compilation of Input-Output tables (**Integrated accounts and tables**) and allocation of property incomes between sectors (**Institutional sector accounts**). 10 items are mentioned in general (include also items from **Institutional sector accounts, Financial accounts** and **Balance sheets and other changes in asset accounts**).

10. *Basic statistics areas.* Improvements in many domains are foreseen as urgent and work is in progress in some of them. These domains are **Business statistics, Financial statistics, Classifications** and **Consumption** or household budget statistics.

#### Modes of technical assistance requested

11. Workshops for Rosstat staff and other producers of official statistics, region-oriented methodological guidelines and methods and study of practical examples of other countries are considered to be *most effective technical assistance*.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* The main directions of improvement of national accounts include following areas: input-output tables, quarterly accounts, regional accounts, further harmonization of sectoral statistics, harmonization of the SNA with other areas of macroeconomic statistics, financial accounts, balance sheets.

13. *Existence of specific implementation plan for 2008 SNA. Not yet.* Currently work is in progress to prepare a plan for SNA development, which will include development of different areas of statistics that affect the national accounts, the introduction of accounts and balance sheet tables and priorities for further SNA 2008 implementation.

## **XV. SERBIA**

#### Main users and uses of the national accounts

1. *Main users are:* National Government, National Bank, Academic and research sphere, Business sphere, Media and Individuals.

2. *Most demanded data are:* **GDP and value added** by different details and breakdown (volume measures, breakdown by production and expenditure categories, GDP per capita).

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** approach in current and constant prices and by **expenditure** approach in current prices. Classification used for economic activities is NACE revision 1 (A60 level). Time series for output approach are available since 1997 and for expenditure approach - since 2002.



4. *Quarterly GDP compilation:* GDP is compiled by **output** approach in constant prices. Classification used for economic activities is NACE revision 1 (A60 level). Time series are available since 1997.

5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1997.

6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1997.

7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Ongoing work continues to introduce **Supply and Use tables, regional GDP and economic accounts for agriculture**. Technical assistance is provided by EU through the Instrument for Pre-Accession Assistance (IPA), IMF and SIDA (Swedish International Development Cooperation Agency):

- IPA 2007 national (January 2005 - November 2007) included issues of Supply and Use tables in national accounts;

- IPA 2008 regional (December 2009 - September 2011) with activities in NA project component as improvement of estimates of **gross fixed capital formation, inventories, consumption of fixed capital, value added in the service sectors and economic accounts for agriculture** including prices;

- IPA 2009 regional (December 2010 – November 2012) concentrates on issues of **constant prices and NOE** in national accounts;

- SIDA national project (June 2009 - March 2012) concentrates on **regional accounts, agro-monetary statistics, environmental expenditure and accounts;**

- IMF technical assistance (February 2011) on compilation of GDP.

#### Priority areas for future improvement

9. *National accounts areas.* No reply.

10. *Basic statistics areas.* Improvements in domain of **Business registers** (including administrative registers), **Business statistics** and **Government finance statistics** are mentioned as most urgent.

#### Modes of technical assistance requested

11. Training workshops are considered to be *most effective technical assistance*. Technical assistance will be needed also for the revision data backwards while implementing SNA 2008.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* No reply.

13. *Existence of specific implementation plan for 2008 SNA. Not yet.*

## **XVI. TAJIKISTAN**

### Main users and uses of the national accounts

1. *Main users are:* National Government, National Bank and Academic and research sphere.
2. *Most demanded data are:* **GDP and value added** by different details and breakdown (volume measures, deflators, breakdown by production and expenditure components, GDP per capita,) and Gross national income (including per capita) from **Integrated accounts**.

### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Classification used for economic activities is All-Union classification of branches of national economy. There are plans to use NACE classifications soon. Time series for output approach are available since 1991 and for expenditure approach – since 1992-1993.
4. *Quarterly GDP compilation:* GDP is compiled by **output** approach in current and constant prices. Classification used for economic activities is All-Union classification of branches of national economy. Time series for discrete quarters are available since 2002.
5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1991.
6. *Institutional sector accounts:* Not available.
7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

### Ongoing projects and technical assistance

9. *Current projects and technical assistance.* Ongoing work includes continuous work in quarterly GDP compilation by expenditure approach. Recent technical assistance was provided by group of donors (World bank, SIDA, DFID) through the project “Strengthening national system of Tajikistan statistics”:

- “Strengthening national system of Tajikistan statistics” (from July 2006 – to May 2011) concentrated on the issues of non-observed economy, quarterly national accounts and Supply and use tables.

### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to issues with consumption of fixed capital (from **GDP and value added**), Supply and Use tables (from **Integrated accounts and tables**) and accounts for sectors (**Institutional sector accounts**).

10. *Basic statistics areas.* Improvements in domains of **Business statistics** and **Classifications** (introduction of classification of types of economic activities) are most urgent.

#### Modes of technical assistance requested

11. Training workshops in the country and regional seminars are considered to be *most effective technical assistance*. Any technical assistance to implement SNA 2008 is welcomed, since there is a need in all areas.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* Main goals, included in the National Strategy of development of statistics for 2012-2016, are improvement of the methodology for assessing the current accounts of the SNA-93, compilation of quarterly national accounts by the two methods at current and constant prices, improvement of NOE measures, development of Input-Output tables and implementation of the 2008 SNA.

13. *Existence of specific implementation plan for 2008 SNA.* **Not yet.**

## **XVII. TURKMENISTAN**

#### Main users and uses of the national accounts

1. *Main users are:* National Government and Business sphere.

2. *Most demanded data are:* **GDP and value added** by different details and breakdown (output data, GDP volume measures, breakdown by production and expenditure components).

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** approach in current and constant prices and by **income** and **expenditure** approaches in current prices. Classification used for economic activities is All-Union classification of branches of national economy. Time series are available since 1994.

4. *Quarterly GDP compilation:* GDP is compiled by **output** approach in current prices. Classification used for economic activities is All-Union classification of branches of national economy. Time series are available since 1998.

5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1994. **Regional GDP** is compiled since 1998.

6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1994 (*to be confirmed*).

7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Ongoing work includes preparation for transition to classification of types of economic activities. Currently, technical assistance is provided by **IMF** and **World Bank** (*to be updated*):

- IMF consultations (–) on estimation of GDP at constant prices and quarterly GDP;
- World bank project (–) on issues of non-observed economy.

#### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to general items more or less related to **GDP and value added** like recalculation of data from All-Union Classification of branches of national economy to classification of types of economic activities and data sources transition from functional statistics to institutional one. Practical guidances for quarterly estimates of GDP and Supply and use tables (from **Integrated accounts and tables**) are also mentioned. Only these 4 items are mentioned in general.

10. *Basic statistics areas.* Improvements in domains of **Price statistics** (producer price index and index in construction) and **Classifications** (introduction of classification of types of economic activities) are most urgent.

#### Modes of technical assistance requested

11. Training workshops, international and regional seminars are considered to be *most effective technical assistance*. Also guidelines should be translated into Russian.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* In relation to transition to the ISIC to recalculate GDP by production and NOE measures. Compilation of Input-Output tables.

13. *Existence of specific implementation plan for 2008 SNA.* **Not yet.** Goskomstat of Turkmenistan is currently working on SNA part of Plan for transition of Turkmenistan statistics to international standards.

## **XVIII. UKRAINE**

#### Main users and uses of the national accounts

1. *Main users are:* National Government, National Bank, Academic and research sphere, Media and International organisations.

2. *Most demanded data are: **GDP and value added*** by different details and breakdown (for a country as for total and by regions), annual Input-Output tables from **Integrated accounts and tables** and data on income and expenditure for **Household sector**.

#### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is NACE revision 1 (A17 level, but without separate indication of sections P and Q). Time series for data in current prices are available since 1990 (since 2001 by NACE) and for data in constant prices – since 2001.

4. *Quarterly GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices and by **income** approach in current prices. Classification used for economic activities is NACE revision 1 (published by defined 10/13 main activities). Time series for data in current prices are available since 1995 (since 2001 by NACE) and for data in constant prices – since 2001. **Quarterly GNI** is compiled since 2007.

5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1990. Cross-classification of value added by industries and sectors is available. **Regional GDP** is compiled since 2004, but regional valued added – since 1996. Input-Output tables and **Supply and use** tables are available since 1994 (using All-Union classification of branches of the National Economy for 1994-1999 and since 2000 by 38 groups of NACE rev. 1).

6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1990.

7. *Financial Accounts, balance sheets and other changes in asset accounts:* Financial account is compiled since 2003 (the experimental sheets of nonfinancial and financial assets - since 2011).

#### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Currently work on development of the methodology for compiling accounts of **other changes in volume of assets** and experimental development of the **balance sheet assets and liabilities** in fixed assets and inventories is ongoing. Other works in national accounts include improvement of quarterly GDP and introduction of quarterly Input-Output tables. Current technical assistance projects are:  
- EU TWINNING light project (from November 2011 – to May 2013) contains components to study practical issues of **implementation of NACE rev. 2** into national accounts, to implement Eurostat tabular approach to **Exhaustiveness** into national accounts.

#### Priority areas for future improvement

9. *National accounts areas.* Highest priority is given to having complete system of national accounts up to estimation of national wealth (from **Balance sheets and other changes in asset accounts**). Other priorities are implementation of SNA 2008, items from **GDP and value added**

(European tabular approach for GDP exhaustiveness and new classification of NACE rev.2), **Integrated accounts and tables** (Input-Output tables) and **Institutional sector accounts** (introduction of quarterly accounts by sectors). 7 items are mentioned in general.

Related to SNA 2008 implementation, Priorities are given to areas that would affect GDP volume and structure. In particular:

- Research and development,
- Military expenditures,
- Output of National Bank,
- Financial services,
- Non-observed economy.

10. *Basic statistics areas.* Improvements in domains of **Business statistics, Monetary, Financial and External sector statistics** are mentioned as most urgent.

#### Modes of technical assistance requested

11. Training workshops and study visits to EU country are considered to be *most effective technical assistance*. Also guidelines for all areas with effect on GDP will be welcomed.

#### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* The strategy for the development of state statistics to 2012 includes also the following activities:

- Finalize the work related to the compilation of the basic elements of SNA 93;
- harmonization of estimated indicators for financial flows between institutional units in the economy for financial account;
- Improve calculation methods for macroeconomic indicators in the relation to the implementation of new methods for FISIM;
- Work on KLEMS methodology and estimation of productivity;
- Implement quality estimation of NA indicators.

13. *Existence of specific implementation plan for 2008 SNA. Not yet.* Strategy for development of State Statistics until 2012 includes also the preparation for implementation of SNA 2008. In particular, the project of activities for implementation of SNA 2008 should be developed.

## **XIX. UZBEKISTAN**

### Main users and uses of the national accounts

1. *Main users are:* National Government, Academic and research sphere, Business sphere, International organizations and Individuals.

2. *Most demanded data are:* **GDP and value added** by different details and breakdown (volume measures, breakdown by production and expenditure categories, GDP per capita).

### Availability of accounts and aggregates (SNA 93)

3. *Annual GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Classification used for economic activities is All-Union classification of branches of national economy. There are plans to use NACE revision 2 classifications soon. Time series are available since 1991.
4. *Quarterly GDP compilation:* GDP is compiled by **output** and **expenditure** approaches in current and constant prices. Classification used for economic activities is All-Union classification of branches of national economy. Time series for cumulative quarters are available since 2001.
5. *Integrated accounts and tables:* Annually, **all accounts (until net lending) for total economy** are available since 1995. Cross-classification of value added by branches and sectors of economy is available. **Regional** GDP is compiled also since 1995. **Input-Output tables** and Supply and use tables are available since 1997.
6. *Institutional sector accounts:* Annually, **all accounts (until net lending) for all institutional sectors** are available since 1995.
7. *Financial Accounts, balance sheets and other changes in asset accounts:* Not available.

### Ongoing projects and technical assistance

8. *Current projects and technical assistance.* Ongoing work includes continuous work in tourism satellite accounts (Technical assistance is provided by World Tourism Organization) and health satellite accounts (World Health Organization).

### Priority areas for future improvement

9. *National accounts areas.* Higher priorities are given to items in **GDP and value added** (discrete quarterly GDP by production and expenditure at current and constant prices, FISIM allocation, holding gains, illegal sector and consumption of fixed capital). Also are mentioned **Financial accounts**, Allocation of the output of central bank.
10. *Basic statistics areas.* Improvements in domains of **Business statistics, Classifications** (introduction of classification of types of economic activities (NACE 2)), **Prices, Finance statistics**, and **Household budget statistics** are most urgent.

### Modes of technical assistance requested

11. Workshops on quarterly (discrete) national accounts, financial accounts and the 2008 SNA implementation are considered to be *most effective technical assistance*.

### National strategies and plans for SNA 2008 implementation

12. *National accounts in national strategies in statistics.* National strategies in statistics include following items from national accounts: improvement of measures of informal sector of the economy, quarterly (discrete) national accounts, holding gains (losses), consumption of fixed capital and financial account, the 2008 SNA implementation and the implementation of NACE revision 2 into national accounts.

13. *Existence of specific implementation plan for 2008 SNA.* **Not yet.** Some work is foreseen for 2011 on data for market and non-market activities of Central Bank .

\* \* \* \* \*