

## ABSTRACTS

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### QUESTIONS OF METHODOLOGY

*Yu. Ivanov «On the treatment of financial activity in SNA 2008»*

**Keywords:** treatment of financial activity in SNA 2008, financial services, financial instruments, financial intermediation services output, central bank output.

*JEL:* E01, G20, G21.

Treatment of financial activity in SNA 2008, which is considered in the article, relates to major aspects of activity of financial corporations: types of financial services and financial instruments used in the process of their production, users of their output. Special attention is paid to treatment of financial intermediation services, their role in transformation of savings into investments in various assets; in this context methodology of computation of financial intermediation services output and assessment methodology for indicators of their use on intermediate consumption of enterprises and final consumption of households is presented. The article also presents the new treatment of activities of the central bank, alternative methods of measuring its output are explained as well as their impact on GDP.

*I. Mamii «Methodological features of forming fuel and power balances of municipal entities»*

**Keywords:** energy resources, forms of Federal statistical observation, fuel and power balance, municipal entity, fuel and power balance at municipal level, energy saving, energy efficiency.

*JEL:* E01, O13.

The methodological issues of fuel and power balance compilation for the level of a basic unit of the administrative-territorial structure of Russia - the municipal entity are discussed. Institutional contradictions between energy demand by social sector organizations, including households and the energy supply by the business structures are considered. Fuel and power balance at municipal level can be (due to the abovementioned issues) an information and statistical decision-making tool constructed with using the recommendations of international statistical organizations.

### QUALITY OF STATISTICAL INFORMATION

*E. Shorina, S. Yurkevich «Harmonizing data of statistics and accounting records on micro level»*

**Keywords:** vertical harmonization of statistical information, intangible assets, intellectual property products, research and development, expenditures on production and sale of goods, works and services.

*JEL:* M41, O32, O34.

The article addresses the issue of need for harmonization of the statistical information system with data from accounting reports as a condition for creating a high-quality information resource for National accounts compilation. A group of statistical indicators is defined upon which there is a risk of data corruption. Arguments introducing monitoring indicators featuring availability and movement of products of intellectual activity reflecting the expenditures on production and sale of goods, works and services are presented.

*E. Mironova, G. Domaradskaya «Problems of providing completeness and credibility of statistical information on housing and public utilities»*

**Keywords:** housing and public utilities, accounting, reporting, reliability of statistical information, methodology of statistical observation, interaction of statistical offices with executive authorities.

*JEL:* E60, H0, L97.

The article lights up the issues of collection and processing of statistical information in the sphere of housing and public utilities, describes the negative phenomena specific to this field of activity in modern conditions and hampering the collection of reliable and complete information in this sector of economy. Reasons for the problems and possible methods of their removal are considered separately. The mentioned facts demonstrate that in the conditions of reformation of housing and public utilities the reliability of statistical information can be achieved only by improving the methodology of data collection, their timely analysis and information interaction with the executive authorities.

## MATHEMATICAL AND STATISTICAL METHODS IN ANALYSIS

*L. Kitrar, G. Ostapkovich «Integrated approach to the construction of compositional indicators with built-in algorithm for cycle evaluation in time series of the market monitoring results»*

**Keywords:** business cycles, growth cycles, turning points, compositional indicators of cyclic pattern, market monitoring, leading indicators, decomposition of dynamics, short-term cyclical components, reference indicator, behavior of economic entities.

*JEL:* E32, C81, C82.

Authors of this article analyze the usability of compositional indicators of market monitoring for expanding the frame of the traditional cyclicity of economic activity, review of use of compositional indicators through the example of various countries and international organizations is presented. Key selection criteria for market monitoring indicators, that are used along with quantitative statistics for joined inclusion into the system of cyclic indicators are adducing. Iteration procedure of testing the dynamics of market monitoring indicators by means of their joint assessment with the key components the reference statistics' dynamics, in order to maximize the coverage of primary aggregate information from subsequent identification of turning points, as well as deducing the possible «average» cycle chronology is substantiated.

*K. Polyakov, M. Polyakova «The specifics of assessing the sustainability of commercial banks in the Russian conditions»*

**Keywords:** commercial bank, bank stability, possibility of default, license revocation, panel data, logit-model, proactive indicators of bank failure.

*JEL:* G21, G24, G32.

This article is devoted to analyzing possibilities for forecasting bank's failure on a sole basis of its transparent (open) reporting sent to the Bank of Russia. To estimate the license revocation probability are used traditional as well as new, earlier not considered, indicators, calculated on the basis of data from open reporting. For the purpose of checking the importance and direction of indicators influence inspection it has been used two logit-model specification. Outliers are deleted from the data file in order to assess models. Results of model estimation conform to the initial hypothesis about influence of indicators on commercial bank license revocation probability. It has also been ascertained that influence of some indicators contradict Bank of Russia methodology of commerce bank stability estimation that can be explained by open reporting falsification.

## STATISTICS OF SCIENCE

*V. Belousova, E. Martyusheva «Research activity scorecard for higher education institutions: issues of development and appraisal questions»*

**Keywords:** research performance of higher education institutions, performance indicators, research public funding in OECD countries.

*JEL:* I23, O30.

The paper presents a comprehensive analysis and discloses development and utilization features of performance indicators for science and technological activities of higher education institutions. Advanced foreign practices of use of indicators, which lately are the basis for the allocation of public funding of universities is summarized. This compilation is based on the experience of domestic development in this area.

*N. Pashintseva, A. Maslyanenko «Capability of the official statistics to assesses contribution of science to the economy of the country»*

**Keywords:** research and development (R&D), SNA 2008, satellite accounts of the SNA, contribution of R&D to GDP.

*JEL:* I23, O30.

This article includes characteristics of official statistics sources which can be used as a basis for assessment of R&D contribution to the economy of the country: specialized and general statistics forms of federal statistical observation are analyzed, as well as other sources of statistical information featuring activities of science sector organizations. The authors comment on foreign experience of satellite R&D account compilation (case study: USA), that allows to estimate the impact on the value, structure and growth rated of the GDP.

## REGIONAL STATISTICS

*O. Oleinik, T. Antonova «Improving monitoring of the agricultural development (case study: Volgograd region)»*

**Keywords:** agriculture in the region, monitoring, forecasting, development trend, integral rating estimate, spatial cluster, regression.

*JEL:* R11, R12, C38, C53.

In the article analyses the economic monitoring mechanism, focused on achievement of program objectives for the development of agriculture in the region. The integral rating estimate of municipal districts of the Volgograd region by level of agricultural development is presented; spatial clusters of municipal districts are given. Forecast evaluations for the volume index of agriculture production of the Volgograd region by the development trend and identified factors are presented.

*V. Lapo «Key trends and regional features of forestry development investment projects»*

**Keywords:** priority investment projects, government stimulus methods, forest industry complex, spatial structure, macroeconomic efficiency.

*JEL:* O22, O38, K23, E65.

Despite the existence of a large, on a world-wide scale, forest resources, forest industry complex of the Russian Federation had been experiencing, until recently, a lack of investment resources.

From mid 2000th Russian Federation took measures to stimulate the projects in the field of forest development. Features of spatial allocation, key economic characteristics and macroeconomic indicators of efficiency of priority investment projects in the field of forest development are analyzed. The analysis proves the necessity and expediency to continue investments stimulation policy.

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