

### NATIONAL STATISTICS AND INTERNATIONAL STANDARDS

*Egorenko S. Integrated features of implementation of integrated economic statistics in practices of the Russian statistical system*

**Keywords:** integrated economic statistics, data integration, national accounts, integrated systems, data coherence, administrative sources, statistical register, classifications, profiling of enterprise groups.

JEL: C18, O19, P41.

Economic statistics holds the defining role in development of society and strategic decision-making, whereas it predetermines and motivates further development of economy of any country. Integration of economic statistics indicators allows performing economic calculations and forecasting of particular situation development in the economy of the country. That is why more attention has been paid recently to development of economic statistics, in particular, to application of integrated statistical indicators. This paper contains issues of statistical information coherence and its integration during official statistical information production.

*Veliev A. Consistency between the national official statistics data of the Republic of Azerbaijan and similar data from international institutions*

**Keywords:** international statistical cooperation, statistical questionnaire of international institutions, international statistical standards, difference between statistical databases of national services and international institutions, mechanism for coordinating statistical databases of national services and international structures.

JEL: F53, O19, P41.

This article presents several questions of cooperation of national services (case study: the Republic of Azerbaijan) and international statistical institutions. More specifically, the author grounds the improvement mechanism of cooperation of data presentation on a national level, on one hand, along with their presentation in databases of international institutions and in international statistical publications, on the other.

### POPULATION CENSUSES IN RUSSIA AND THE CIS COUNTRIES: EXPERIENCE AND PROSPECTS

*Sokolin V. Population censuses in countries of the Commonwealth of Independent States - an indispensable element in social and economic processes management*

**Keywords:** population census, population mobility and population census, migration and population census, traditional model of population census, register-based census method, rolling census, quality control for population census.

JEL: C81, C82, J61.

The author argues in favor of the importance of population censuses (case study: countries of the Commonwealth of Independent States) to obtain information characterizing social-and-demographic and ethnic-and-linguistic structure of the society. The accent is made on the research of labour market and labour market migration - as one of the most important topics discussed within the Commonwealth. The objective necessity for closing the gap between timing of population censuses in the CIS countries for more objective analysis of migration processes between the countries is emphasized.

*Malyutin V. Specific features of carrying out population census in a metro-region*

**Keywords:** population census, metro-regions, census of labour migrants, administrative sources, combined method population census, program-and-organizational issues of carrying out population census.

JEL: C81, C82, C83.

Specific features of carrying out population census in a metro-region (case study: Moscow) foremost concerning data on population, selection and training census staff, outreach work. Suggestion on population census program and suggestions of legal and regulation framework of population census.

*Taranova O. Improving methodology of data collection on various categories of population and implementing new methods of data collection on population amidst the development of Internet-technologies*

**Keywords:** population census, population census methods, alternate census, register-based census method, combined approach, administrative sources, electronic questionnaires, Internet-census.

JEL: C81, C82, L86.

The author emphasizes the necessity of implementation of Internet-census data collection in present day Russia. This paper argues that the outreach work among the population for successful implementation of the census method under review and usage of its full potential. Covered are some legal aspects of population census organization.

### INNOVATIONS AND SOCIAL-AND-ECONOMIC DEVELOPMENT

*Kuznetsova I., Gracheva G., Fridlyanova S. Statistical estimation of innovation processes in the sphere of small business: development, application and transfer of scientific and technical results*

**Keywords:** small business, technology transfers, innovation activities, science research and development, results of scientific and technical activities, statistical observation tools.

JEL: O32, O33, O34.

The article is devoted to the research of information resources, created within the federal statistical observations of small enterprises. National methodology and key stages of development of the program of statistical observation on innovations are considered; analysis of innovation activities of small enterprises is given. Suggestions to update acting survey tools and develop the new methods of scientific research and development results estimation, their implementation in production and transfer to the real economy, small business activities related to technology transfer are made.

*Gorodnikova N., Ratay T., Rosovetskaya L. Integration of science and education in national statistics: problems and development prospects of the new methodological approaches*

**Keywords:** science and education integration, science in the high education sector.

JEL: C18, I23.

The article considers topical issues of integration development processes in the sphere of science and education and forms of their government support. Sources of information of the integration process and presented statistical analysis of this phenomenon are being studied, taking into account the necessary OECD data. Statistical data analysis demonstrates their incompleteness and absence of the demanding statistical calculation of the integration process in the sphere of science and education. In the framework of the article the new approaches to forming statistics of integration science and education were suggested: the first one is based on the refinement of the acting statistical accounts; the second one – is oriented to the structure development of the selected survey on integration activity between R&D organizations and organizations of higher education.

*Zaichenko S., Martynova S. Tools for statistical analysis of research and innovation activities of Russian Universities*

**Keywords:** university, research and innovation, statistical tools, statistical indicators.

JEL: I22, I23.

This article describes the features of the new statistical tools, provides comprehensive analysis of indicators of scientific and innovation activity of Russian universities to coordinate targeted public policies in the areas of science, technology and innovation. A review of currently available tools of statistical monitoring of the activities of universities for assessing the novelty of the intervention and its role in the development of official statistics in this area is presented. Specialized survey tool of research and innovation activities of universities is proposed; its logical structure and a brief explanation of the methodological basis are given. The main part of the paper provides an overview of the results of the pilot testing of statistical tools at the level of descriptive statistics. In conclusion, the authors present the main findings of the testing, including criticisms of the feasibility of tools, incl. for use in the framework of the measures of the state scientific-technical and innovation policy.

*Gershman M. Russian engineering organizations: approaches to identification and performance evaluation*

**Keywords:** engineering organization, innovation, performance indicators.

JEL: L89, O14, O32.

Over the last years engineering organizations have been seen as specific agents of innovation capable of implementing scientific results in the production processes and contributing to the modernization of the domestic industry. However, the notions of ‘engineering’ and ‘engineering organization’ have not yet been defined in the Russian laws. In foreign countries these definitions vary significantly and so does the content of engineering services. This paper examines the nature and functions of engineering organizations, determines the ‘innovative component’ of engineering services, and suggests some performance and development indicators for organizations of this type.

## QUESTIONS OF METHODOLOGY

*Koloskova I. Methodological and organizational principles of accounting victims of crimes*

**Keywords:** judicial statistics, crime, victims of crimes, international surveys.

JEL: C19, C83, K14.

The article examines questions of accounting victims of crimes in foreign countries and CIS countries. Study of international experience of carrying out surveys on crime victims was performed using Manual on Victimization Surveys developed by United Nations Office on Drugs and Crime (UNODC) and United Nations Economic Commission for Europe (UNECE), which is the first attempt to develop methodological guidelines at the international level for carrying out national victimization surveys. The article presents statistical data on the number of crime victims in some foreign countries.

*Ovcharov A. Statistics of interactions: quality aspects of analysis*

**Keywords:** interaction, formalizing the economy, independent and dependent variables, correlation, regression.

JEL: C15, C18.

The article shows issues related to formalizing economic and statistical science. Statistical study of interactions is presented as an example of key directions of quality analysis. A brief theoretical training material on «statistics without mathematics» is analyzed – essence and forms of interactions, requirements for the signs, the advantages of multifactor models are examined.

## STATISTICAL STUDY OF SOCIAL AND ECONOMIC PROCESSES

*Zherebin V. Indices, factors and estimations of social and economic inequality*

**Keywords:** social and economic inequality, inequality indicators, coefficient of funds, international comparisons, distribution system, progressive tax scale, social policy.

JEL: D10, D33, Z13.

The article considers indicators, indices and factors determining estimations of social and economic inequality between various income groups of the population. International comparisons by coefficient of funds for different nations are made. Arguments for the need to improve the existing distribution system are presented. Strengths and weaknesses of the progressive tax scale are analyzed.

*Karmanov M. Statistics and corruption in modern-day Russia*

**Keywords:** statistics, corruption, corruption statistics, judicial statistics, corruption counteraction, statistics in fight against corruption, issues of statistical estimation of corruption.

JEL: D73, K42.

Fight against corruption undermining the basics of modern Russian government, has for a long time been manifestly obvious for both high-ranking officials and ordinary citizens. For this reason awareness of statistics’ role in rationalizing key directions and improvement of effectiveness of anti-corruption activities, targeted to overcome serious obstacles on the way of social and economic development of our country, starts playing an important role.