

# ABSTRACTS

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## QUESTIONS OF METHODOLOGY

*V. Korobov «Ensuring comparability of groups of national product classifications»*

**Keywords:** statistical data comparability, production (output) of industrial products, harmonization and connection of national and international classifications, analysis of substantial compliance of classification groups of products, Russia classification of products, products classification of the Republic of Belarus, using conversion keys for products classifications.

*JEL: C38, D60.*

The author describes challenges of comparing data on industrial production, published in the statistical abstract «Belarus' and Russia». Considered are the harmonization practices of national and international classifications, features and principles of the Russian classification of products by economic activity (OKPD), based on the Statistical Classification of Products by Activity (CPA-2002), methodological issues of comparisons of products using classifications, conversion keys and technical regulations on products. Ideas for further analysis of product nomenclatures of the two countries on the basis of the developed approaches for establishing mutual consistency of product groupings are suggested.

*G. Abdrakhmanova, G. Kovaleva «Methodological approaches to statistical assessment of ICT use in households and by population»*

**Keywords:** information and communication technologies (ICT), using ICT in households and by population, international statistical standards, statistics of the information society.

*JEL: C81, C18, C4.*

This article is focused on development trends analysis of international and Russian statistical standards and methodological approaches to organization of surveys on the use of ICT in households and by population. Research trends for the new specialized sample survey of population on the use of ICT are suggested.

## STATISTICS AND ECONOMIC THEORY

*E. Belyanova, S. Nikolaenko «Business cycle dating: international experience and possibilities for its application in Russia»*

**Keywords:** business cycles, turning points, economic crisis, coincident indicators.

*JEL: C41, C82, E32, F44, N10.*

On the basis of international experience in cyclic analysis the paper demonstrates the crucial importance of officially recognized business cycles dating for their monitoring and forecasting as well as for the theoretical research. The authors review main methods of business cycle dating from the point of view of their application to specific Russia's circumstances, such as: short history of market economy and peculiarities of statistical data collection and their presentation. The key motivation for authors was not only to propose a set of Russian business cycle turning points but also to emphasize a special significance of ensuring that a dating procedure is valid and transparent. Furthermore, the authors raise an issue of the need to establish an institution for fixing turning points of the cycle in Russia that is similar to the NBER Business Cycle Dating Committee (USA) and staffed with competent pool of experts whose opinion would be accepted by the government, academic circles, business community and public.

*L. Kitrar, G. Ostapkovich «Special features and implementation directions of the indicator approach in cyclic monitoring of economic dynamics»*

**Keywords:** economic cycle, econometric models, indicator approach, leading variables, coincident variables, lagged variable, cyclic indicators, amplitude of cycle fluctuations.

*JEL: C22, E01, E27.*

This article considers information and analytical content of the indicator approach traditionally used by leading research groups of the USA and Europe in cyclic monitoring of macroeconomic dynamics, saved up for the last half a century. In this regard, the necessity for creating the Corpus of national indicators of cyclic character taking into account their synchronism in movement and coincidence on time of change of tendencies relatively to business cycle is emphasized.

## SCIENTIFIC MESSAGES

*G. Gromyko «The so called indicators of the summary assessment of structural changes in time and space»*

**Keywords:** structure, structural changes; «absolute» increase in structural shares; linear coefficient of the «absolute» structural changes; quadratic coefficient of structural changes, measurement of structural changes.

*JEL: C32, C43.*

The article makes a focus on the choice of the adequate statistical indices in the course of analysis of the structure of different statistical integrities. In particular, the use of the averaged indices of structural changes is discussed. The author theoretically proves and demonstrates that for structure analysis, the question of possibility for one average indicator to measure structural changes (with due regard to their direction and force) is unfounded and unjustified.

*A. Kharitonova, A. Sharov «Statistical analysis of dynamics of the amount and chemical composition of atmospheric precipitations»*

**Keywords:** climate statistics, amount of precipitations, chemical composition of precipitations.

**JEL:** C21, C22, C25, C32.

The paper analyzes data on the number and the chemical composition of precipitations for the period from 1967 to 2007. The significance of influencing factors on these processes is being determined using methods of mathematical statistics and econometrics. The results presented in tabular and graphical form, conclusion are made.

*K. Arkhipov «Models of generation of insurance reserves and forecasting the demand for finished goods»*

**Keywords:** insurance reserves, productive inputs, modeling the level insurance reserves, forecasting the demand for finished goods. □

**JEL:** C02, C53, L11.

The article covers reserve analysis of the improving manufacturing company practices amidst tougher competition and exhausting the possibilities of extensive development. Considerable attention is paid to the analysis of factors allowing to optimize production costs, including maintenance and restocking. VAR-models are used to evaluate statistically reasonable level of insurance reserves.

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