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# **ECONOMIC SCIENCES**

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**Nº12 (181)  
2019**

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Founder: LLC "Economic Sciences"

Address: 125057, Moscow, Chapaevskii per., 3-775

E-mail: info@ecsn.ru

WWW: <http://ecsn.ru>

The Certificate of registration of mass media:

ПИ № ФС77–21147 from 28.06.2005

Subscription index 20387 (Agency "Rospechat")

ISSN 2072–0858

Issue date 31.12.2019

Format 60x84/8

Printed signatures 55.57

500 copies

Printed by "24 Print" Ltd

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**ECONOMIC THEORY**

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**STATE BUDGET AND MACROECONOMIC IMBALANCES  
OF INDIA DEVELOPMENT**

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In the article, an analysis of macroeconomic indicators, the state of the national economy and the state budget of India in the context of macroeconomic imbalance and economic growth of individual countries.

*Keywords: national economy, state budget, GDP, public debt, banking sector, budget deficit.*

**STATE PROGRAM AND PROJECT APPROACH IN BUDGET PLANNING  
IN THE RUSSIAN FEDERATION**

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The effectiveness of the country's public finance management system is characterized by the results achieved in their relation to costs. The modern method of budget planning, which has the greatest potential for ensuring the efficient use of state financial resources, is the program-targeted method, which has successful experience in world practice.

This article summarizes the study of the prerequisites for implementation, the history of development, the current state of budget planning processes, focused on achieving the best results due to the allocated amount of funds or specified results with minimal costs, in the Russian Federation. The results of the analysis of problems and limitations in ensuring the target parameters of state policy by means of budgeting tools such as the state program and the project approach in program planning are presented. Conclusions are formulated on the prospects for turning state programs into an effective tool for project activities, which creates the conditions for the implementation of national goals through the full integration of strategic goal setting, budget planning and operational management.

*Keywords: budget planning, budget forecast, state program, project approach, priority project, national project*

**STOCK CRISES AND THEIR EARLY DIAGNOSIS**

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The questions of stock crises occurrence and methods of their diagnostics considered in the article are actual as the solution of these problems allows to provide economic security of the country. The article considers the essence and content of the stock crisis, reveals its inherent features. Considerable attention is paid to the study of existing methods of qualitative and quantitative assessment of stock crises. The authors analyze the financial crises taking place in the Russian economy, show the features of their course and ways to deal with them. Proposals and recommendations to eliminate the existing problems of the Russian stock market in order to level the threats to the economic security of the country are substantiated.

*Keywords: financial crisis, stock market, stock bubble, financial crisis indicators, economic security*

## **THE EMERGENCE OF STOCK BUBBLES AND THEIR EARLY IDENTIFICATION**

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The article considers the problems of economic security of the country from the point of view of identifying financial crises. The essence and content of the financial crisis are revealed, the characteristic features of the stock bubble, as an integral component of the stock crisis, are revealed. Particular attention is paid to the study of existing methods for identifying and measuring bubbles. The authors analyzed current stock crises, highlighted the vulnerabilities of the Russian financial market. The article assesses the possibility of a stock crisis in Russia at the present stage, the result of which was the construction of a multifactor model for identifying a stock bubble. The proposals and recommendations on eliminating the existing problems of the Russian stock market in order to mitigate threats to the country's economic security are substantiated.

*Keywords: financial crisis, stock market, stock bubble, indicators of the financial crisis, economic security*

## **THE DEVELOPMENT OF INVESTMENT THEORY IN THE PROCESS OF TRANSFORMATION OF THE SOCIO-ECONOMIC SYSTEM**

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The article discusses the features of the evolution of the theory of investment, due to the change of the industrial method of production post-industrial, based on the large-scale application of information, digital technologies. The authors prove the need to revise traditional scientific ideas about the algorithm of the investment process, its subject, object and forms of income realization. The article substantiates the fact that in the theory of information economy the main attention is paid to the mechanism of investment decision-making, motivation of economic entities, which significantly transforms the classical idea of the types of economic activity of economic entities.

*Keywords: investments, investment process, economic entities, object of investment, form of income realization, motivation, investment portfolio.*

## **DIGITAL TECHNOLOGY AS THE BASIS FOR DECENTRALIZED INVESTMENT TOOLS**

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The article reveals the main aspects of the implementation of technological innovations in the investment process. The features of digital platforms as new decentralized investment instruments are shown. It is proved that the use of a modern complex of software subsystems contributes to an increase in the transparency of economic relations, a reduction in transaction costs, as well as an increase in non-personalized trust. It also substantiates the role of information and communication technologies in the growth of demand for financial services from not only firms, but also households, which significantly expands their investment opportunities.

*Keywords: information and communication technologies, digital platforms, investment models, value added, transparency, transaction costs, investment process, financial services.*

## **ON THE QUESTION OF METHODS TO ADAPT HUMAN CAPITAL TO THE DIGITAL ECONOMY**

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The article is devoted to the problems of transforming the qualitative characteristics of human capital

in the context of the expansion of digitalization processes. The authors note that one of the key ways to adapt human capital to the conditions of the digital economy is the formation of three groups of skills within the framework of the model of continuing education of adults.

*Keywords: human capital, digital economy, education capital, continuing education, adult education*

## **EXPORT OPPORTUNITIES OF RUSSIAN UNIVERSITIES IN THE LIGHT OF NATIONAL PROJECTS**

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**Summary.** The authors article have analyzed the main provisions of national, federal and priority projects in the field of export of Russian higher education. On this basis, it is concluded that in these projects there is practically no economic interest and economic incentives for the staff of most Russian universities to implement the provisions of these projects.

*Keywords: education, national project, federal project, priority project, export of education, universities, educational services market.*

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## THEORETICAL APPROACHES TO THE ECONOMIC CONTENT AND THE FUNCTIONAL ROLE OF THE PUBLIC SECTOR IN THE NATIONAL ECONOMY

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The article is devoted to the analysis of theoretical approaches to economic content and the functional role of the public sector in the national economy. The differences of views of economists of various schools are presented, the main tasks of the public sector in modern conditions are outlined, the difficulties of determining its composition and boundaries are reflected.

*Keywords: public sector, evolution of concepts, national economy, combination of private and public interests*

## **THE THEORETICAL BASIS FOR ASSESSING THE EFFECTIVENESS OF THE FUNCTIONING OF THE PUBLIC SECTOR**

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The article discusses the theoretical foundations of public sector efficiency. A classification of theoretical approaches to assessing the effectiveness of its functioning is proposed. It is concluded that in the study of the effectiveness of the functioning of the public sector, an expanded interpretation of efficiency is required and the definition of «macroeconomic efficiency of the functioning of the public sector»

*Keywords: public sector, national economy, macroeconomic efficiency of the public sector, reproductive approach*

## **INSTITUTIONS FOR ENSURING ECONOMIC SECURITY IN THE BANKING SECTOR**

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The current stage of world development shows signs of a transition to multipolarity, which is accompanied by the instability of the global economy and the growth of global competition. Economic

relations between countries are increasingly influenced by factors that are a threat to economic security. The activities of developed countries are aimed at using their technologies, in particular information, as an instrument of global competition. The measures taken by foreign countries in the field of finance have an extremely negative impact on the Russian economy. A study of the banking sector and institutions of economic security is necessary for the stable development of the country and ensuring economic security.

*Keywords: economic security, banking sector, economic security of the banking sector, institutional support of economic security.*

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## SHADOW ECONOMY, ITS REASONS AND CONSEQUENCES FOR RUSSIA

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The modern economy is characterized by a large volume of the shadow sector, which proves the need

for a qualitative analysis of this problem. This article discusses the causes of the shadow economy, assesses the impact of the shadow sector on the Russian economy.

The object of work is the shadow economy.

The subject of the study is the influence of the shadow economy on the development of Russia.

Research methods include collection, analysis and synthesis of information.

*Keywords: economy, shadow economy, tax, tax evasion, corruption, combating corruption, Russia.*

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## ON APPROACHES TO THE SETTING UP OF A ROAD MAP FOR THE DEVELOPMENT OF THE INTEGRATION INSTITUTIONS IN REGIONAL INTER-STATE ASSOCIATIONS OF EMERGING MARKET COUNTRIES

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The article has revealed the theoretical, methodological and methodical approaches to the setting up of a road map for the development of the integration institutions using the example of the Shanghai Cooperation Organization (SCO). That road map is seen as a strategic planning and an institutional design tool. The stages of evolution and priority institutions of integration, priority areas of development of SCO integration institutions have been identified.

*Keywords: integration, integration institutions, roadmaps for the development of integration institutions, a comprehensive roadmap for the development of integration institutions; stages of development of integration institutions; types of integration institutions; Shanghai Cooperation Organization.*

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## INSTITUTIONAL CHANGE AND DIGITAL ECONOMY

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The relevance of the problem under study is due to the fact that the theory of institutional changes is poorly disclosed in Russian economic thought, while the institutional system forms the prerequisites

for economic growth and development, and also provides the conditions necessary for the transition to a digital economy. The article identifies approaches to the theory of institutional changes, features of the interpretation of the category of “digital economy”, a quantitative assessment of institutional changes for the period 2010–2017 is carried out. by such parameters as the density of the institutional environment, the vector of institutional changes, the group structure and the parameters of transaction costs.

*Keywords: institutional system, institute, institutional changes, digital economy, digital technologies, digital development, vectors of institutional changes, transactional bulletins.*

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## INSTITUTIONAL TURBULENCE OF THE STATE PROCUREMENT SYSTEM IN RUSSIA

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A unique system of public procurement is being created in the Russian Federation. On the one hand, there is almost complete electronic procurement, and on the other, the dominance of the trading method of procurement, in which the winner is determined only by price — an electronic auction. The article examines one of the most pressing problems of public procurement, which is defined as the institutional turbulence of Law No. 44-FZ and by-laws, as well as departmental acts.

*Keywords: public procurement, institute, procurement electronization, procurement quality, acution.*

The article was prepared within the framework of the implementation of RFFI project No. 18–010–00871 «Development of tools for assessing and stimulating the quality of public procurement: conceptual grounds and methodological approaches.

## VENTURE ACTIVITY IN RUSSIA AS A FACTOR IN THE DEVELOPMENT OF INTERNET ENTREPRENEURSHIP AND THE SYSTEM OF ECONOMIC RELATIONSHIPS

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Internet entrepreneurship is one of the most rapidly developing types of information Technology business in the 21st century. The growth of such popularity is not accidental. This type of entrepreneurship has a number of advantages. In addition to a large number of advantages, the internet business has serious drawbacks. For example, internet entrepreneurship has low venture capital in Russia. This is the main drawback of this type of business in our country. It will be discussed in this work.

Venture activity will be considered as one of the factors necessary for a successful network business. Venture capital is necessary for the growth and development of new sectors of the economy and business. Few people seek to actively invest their capital in new, but not tested in practice ideas. Businessmen fear loss of their cash investments. Investing is always a risk, especially in new industries.

Entrepreneurs have become less wary of losing investment at present. They understand that investing in new startups and business projects is a necessity. It often proves successful and can bring great profits.

We analyze and compare capital investment in new industries for 2016–2019. According to RVC (Russian Venture Company), we are seeing a positive shift. The number of venture assets in business projects of young scientists has increased.

*Keywords: Internet entrepreneurship, online business, venture capital market, venture business, sphere of information technologies, venture activity, information Technology, 21st century entrepreneurship, 21st century business, venture capital.*

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## FUNCTIONING AND DEVELOPMENT INTELLECTUAL AND INNOVATIVE CAPITAL IN THE MODERN INDUSTRIAL SPHERE

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The paper investigates the processes of functioning and development of intellectual and innovative capital in the conditions of modern intellectual production. At the same time, the process of modern intellectual production, its varieties and features of creating newly created value are considered, its key features and characteristics are identified and analyzed. In process of research of participation of knowledge in production process changes in modern process of work and activity are revealed. Also, a statistical study of innovative activity of modern enterprises and the income received on innovative capital is carried out.

*Keywords: human capital, intellectual capital, innovative capital, newly created value, social production, embodied and living labor, concrete and abstract labor, artificial intelligence.*

## DIGITALIZATION OF THE BANKING SECTOR OF THE RUSSIAN FEDERATION

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The current study addresses the problems and prospects for the development of the digital segment of banking services in the domestic economy. Currently, the profit margins of banks, the number of their customers, and the degree of competitiveness, especially to multinational banks, depend on the introduction of IT technologies and products in the range of banking services.

*Key words: banking sector, remote access, digital technologies, banks, banking services, banking operations, remote banking.*

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## THE MARKET OF ELECTRONIC FINANCIAL SERVICES IN RUSSIA: CURRENT STATE, PROBLEMS AND PROSPECTS OF DEVELOPMENT

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This study analyzes the trends in improving the financial services market in the domestic digital economy. The key elements of the national market for electronic financial services are identified. The prospects for the development of electronic transactions using cryptocurrencies are indicated. The main participants of the electronic digital payments market are identified, their functions and their role in the development of the financial market are determined.

*Keywords: electronic financial services, mobile banking, Internet banking, remote services, blockchain technologies.*

## DEPENDENCE OF KEY INDICATORS OF INVESTMENT PROJECTS ON THEIR COST ON THE EXAMPLE OF SAMARA REGION

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The article is devoted to the study of the existing dependencies of key indicators of investment projects on cost. The study was conducted on the basis of open data from the Ministry of Economic Development and Investments of the Samara Region, the Ministry of Agriculture and Food of the Samara Region. The authors describe the possibility of using this study for practical purposes, for example, when deciding on the allocation of funds for state support of a particular subject.

*Keywords: investments, public investment, state support programs, microcredit, correlation*

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## ECONOMICS AND MANAGEMENT OF NATIONAL ECONOMY

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### STATE AND FEATURES OF THE DEVELOPMENT OF SMALL AND MEDIUM-SIZED ENTREPRENEURSHIP IN THE CHECHEN REPUBLIC

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Small and medium business are the most important components in ensuring the sustainability and development of any economy. The government of the Chechen Republic over the past years has developed a number of strategies aimed at the development of business. In the past, efforts were made to determine the role of business in the development of the economy of the Czech Republic, its problems and prospects, which created the problem of studying the role of the Government and other financial institutions in the development of enterprises in the Czech Republic. Relevant literature was analyzed in order to identify the most significant issues regarding the subject of this study. It was found that financial institutions provide the necessary financial assistance conducive to the development of small and medium business, however,

the government will have to improve the development of SME development policies in the Chechen Republic in order to complement the efforts of financial institutions.

*Keywords: small and medium enterprises, economy, state, capital, economic activity, finance.*

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## ANALYSIS AND PROSPECTS FOR THE DEVELOPMENT OF SMALL AND MEDIUM-SIZED BUSINESSES IN THE CHECHEN REPUBLIC

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The growth of small and medium enterprises is one of the most important factors in the competitiveness of the Chechen Republic. Over the years of the post-war period, the Chechen Republic has achieved macroeconomic stability in the development of local business, its social sphere and market economy have been provided with the regulatory framework necessary for the development of entrepreneurship of all forms of ownership. Small and medium-sized enterprises perform not only a socially responsible role, but also provide significant tax revenues to the budget. The aforementioned determines the relevance of the research topic and encourages the study of the current state of small and medium-sized businesses in the Chechen Republic with the determination of development prospects.

*Keywords: small and medium enterprises, economics, development, enterprise, entrepreneurship.*

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## **DIRECTIONS FOR IMPROVING TAX CONTROL AS A FACTOR IN COUNTERING TAX EVASION**

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Stabilization processes taking place in the Russian economy aimed at preventing macroeconomic imbalances, the lack of an optimal equilibrium state of the economy implies the implementation of a consolidated program, aimed at not increasing the tax burden on the economy and stepping up measures to reduce the shadow sector. The tax control system has a special role to play in implementing these measures to create stable tax conditions. Thus, the relevance of the study is due to the need to deepen not only the theoretical, but also the practical study of the content and organization of tax control, as well as the importance of improving the mechanism of implementation of the new trajectory of the multifaceted tax control in the context of stabilization of the Russian economy. The object of the study is a set of economic relations between tax authorities and taxpayers in the current economic conditions. The subject of the study are theo.

*Keywords: tax control, tax ation, tax base, tax responsibilities, tax optimization, tax planning, tax planning stages.*

## ORGANIZATION'S CASH FLOW ANALYSIS

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The economic activities of any organization are accompanied by the movement of money and its equivalents, the presence of which does not always mean the existence of a cash flow management system in the organization. It is the conscious, effective management of cash flows in the organization can ensure a smooth process of production, sales of products and profits, as well as increase the intensity of current economic operations. The relevance of the study is determined by the need to ensure a stable financial condition of the organization and to conduct a real assessment of the quality analysis of cash flow management. The subject of the study is the analysis of the organization's cash flows. The object of the study is production and economic activity and accounting (financial) reporting of Chechen Mineral Waters LLC. The practical significance of the study is to determine the direction of improving the efficiency of cash flow management and ensuring the stable development of organics ...

*Keywords: cash flow, cash flow, solvency, liquidity, cash flow reports, cash receipts, cash expenses.*

## COMPARATIVE REVIEW OF METHODS OF ANALYSIS FINANCIAL CONDITION OF THE ORGANIZATION

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This article attempts to compare methodological approaches to the assessment of the financial condition of the organization by various authors. The importance of indicators of accounting (financial) statements for the purposes of financial analysis is emphasized. The methods of analysis of the financial condition of the organization according to the accounting (financial) statements are described.

*Keywords: financial condition, accounting (financial) statements, financial analysis, methods of analysis of the financial condition of the organization.*

## FINANCIAL RESULTS OF THE COMPANY: ESSENCE, CLASSIFICATION, ANALYSIS

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This article discusses the financial performance of the company. The classification of types of profit is given, the economic content of financial results is disclosed, their role in the formation of indicators of accounting (financial) statements is indicated. The ways of improving the methods of analysis of financial results of the enterprise in modern conditions are defined.

*Keywords: financial results, profit, accounting (financial) statements, classification, methods of analysis of financial results of the organization, profitability.*

## INNOVATIVE POTENTIAL OF THE SOCIO-ECONOMIC SYSTEM: CATEGORICAL APPARATUS

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The article considers the categorical apparatus of innovation, in particular, the innovative potential of the socio-economic system. Approaches to the following concepts are studied: Innovatika, practical application of Innovatika, innovative development, innovative activity, innovation, innovative potential. The analysis of the essential-content characteristics of the innovative potential is carried out. The process of development and implementation of innovations in the management practice of the company with the use of the ADKAR model is investigated.

*Keywords: innovation-development, innovation, innovation, innovation potential, system approach*

## THE CURRENT STATE AND PROBLEMS OF INNOVATIVE DEVELOPMENT OF THE MEDICAL SERVICES SECTOR

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In article the role of healthcare institutions in the general innovative development of the sphere of

medical services is analyzed. Results of anonymous questioning of experts in the field of the sphere of medical services, including heads of healthcare institutions and heads of structural divisions of healthcare institutions in the field of problems and trends of innovative development are presented and also experience and a role of healthcare institutions in the general innovative development of the sphere of medical services are analyzed.

*Keywords: innovations, innovative development, sphere of medical services, criteria of innovations, innovative activity, innovative potential, organizations of the sphere of medical services, health care.*

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## FOREIGN EXPERIENCE IN ENSURING NATIONAL AND ECONOMIC SECURITY

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Security Issues today are considered from a much broader point of view than in the past. Security is not just personal protection, protection against military threats and armed attacks, although this remains one of the main goals and responsibilities of the Central government. The concept of security is much broader and also includes protection against epidemics and infectious diseases, the fight against terrorism and organized crime, ensuring the safety of transportation and reliable food supplies, protection against power outages, combating destructive climate change and much more. Countries are becoming increasingly dependent on the outside world, due to the growth of globalization. Each of them solves the problems arising due to the specifics of its development, the availability of resources and the possibility of interaction with other States.

*Keywords: economic security, national security, development strategy, security threats, cybersecurity.*

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## SCENARIO FORECASTS FOR THE DEVELOPMENT OF AGRI-FOOD SECTORS IN RUSSIAN REGIONS THAT ARE UNFAVORABLE FOR AGRICULTURAL PRODUCTION

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*The work was carried out with the financial support of the Russian Foundation for basic research, project 18–010–00433 a «Justification of the strategy for the development of agri-food systems in regions of Russia that are unfavorable for agriculture, using differentiated management approaches».*

The article presents scenario forecasts of production and processing of livestock products for regions unfavorable for agriculture. A critical analysis of the forms of state support for the agro-industrial complex, implemented within the framework of the State program for the development of agriculture and regulation of markets for agricultural products, raw materials and food, confirmed the need to adjust the mechanism of subsidizing regions unfavorable for agriculture. A proposal was made to allocate incentive subsidies mainly to support industries that provide employment for the rural population and thus contribute to the development of rural areas.

*Keywords: scenario forecasts, regions unfavorable for agriculture, state support, animal husbandry, production and processing*

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## TRANSFORMATION OF FUNCTIONING OF HIGH-TECH INDUSTRIAL CLUSTERS ON THE BASIS OF TOOLS OF DIGITAL PLATFORMS

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The penetration of digital technologies into all spheres of human activity has led to the emergence of the «digital economy», whose role in the world economy is increasing every year. Thus, in the early 2010s, an upward trend was formed to increase the share of digital technologies in the production and provision of services. According to the author, the best way for the introduction of «figures» is a high-tech industrial cluster, since within its structure resources are concentrated that can quickly adapt existing developments in the field of digital technologies. This implies the purpose of this study, which is to develop directions of transformation of the functioning of high-tech industrial clusters based on the tools of digital platforms. To achieve this goal, such methods of scientific knowledge as analysis, synthesis, deduction, scientific search and comparison were used. The main results of the study include: the author's position determining the place and role of high-tech industrial clusters in industry 4.0 is proposed; the author's conceptual scheme of development of innovative clusters in high-tech industries on the basis of the digital platform is developed; the concept of integration of the high-tech cluster into the digital economy is formed. The results obtained can be used to develop a strategy for the introduction of information and digital technologies in the practice of high-tech industrial clusters.

*Keywords: Industry, innovation, digital platform, industrial cluster, development, transformation.*

## EXPORT AS A WAY OF REVEALING THE NATURAL AND ECONOMIC POTENTIAL OF GRAIN PRODUCTION IN RUSSIA

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The article shows that export is an effective tool for reorganizing the Russian grain market in the

context of a dynamic increase in grain crop yields. Therefore, export is seen as the main incentive to increase gross revenues, which allows to activate innovative factors in the realization of the natural and economic potential of Russia's grain economy. The study proposes, among the tools in the model for managing grain export processes and grain balance in the country, to rely on market regulation methods that create conditions for the development of production and logistics infrastructure and intensive grain cultivation.

*Keywords: grain-food subcomplex, grain farming, grain export, grain market, grain balance management, model of export activity regulation.*

## COMPETITIVENESS OF RURAL AREAS: PROBLEMS AND PROSPECTS

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Sustainable development of the region's competitiveness largely depends on the development of rural areas, as the basis of the economy and social security of the well-being of rural residents and the priority direction of agricultural production competitiveness ensuring food security.

*Keywords: competitiveness, rural settlements, logistics, peasant farms.*

## LOGISTICS INNOVATION OF RURAL AREAS

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The article considers the prospects of innovative transformations in agriculture through the prism of the international trend of doing practice and Russian experience.

*Keywords: innovation, agriculture, logistics, rural settlements.*

## INNOVATIVE SOLUTIONS TO IMPROVE THE QUALITY OF SHIPPING GATE EQUIPMENT AND EVALUATE THEIR ECONOMIC EFFICIENCY

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In order to reduce the cost of work related to improving the quality of navigable locks of inland waterways of Russia, the combined directions of improving quality indicators on the basis of targeted modernization with elements of retrofitting existing hydraulic equipment are considered and proposed

*Keywords: hydraulic structure, hydraulic drive, economic efficiency assessment, risk, feasibility study.*

## **INFLUENCE OF THE MEDIA ON THE FINANCIAL SAFETY OF THE ENTERPRISE**

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The article deals with the issue of the influence of the media in relation to the financial security of an enterprise, and considers the risks of possible information leaks in the context of economic security. The method of theoretical research in the aspects of information disclosure of the enterprise media is used. There are ways of making decisions in conditions when there is a need for decisive steps within the organization, for example, making a deal with a counterparty taking into account the influence of the media. The scope of the results: the economic security of the enterprise.

*Keywords: Financial security, media, influence, destabilization, risks, economy, information environment*

## **DEVELOPMENT OF THE SYSTEM OF REGULATORY LEGAL REGULATION OF ACCOUNTING OF SECURITIES IN THE RUSSIAN FEDERATION**

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This article reveals the need to supplement the regulatory framework through the development of a new standard on securities accounting. The provisions and conclusions formulated in the article are based on the analysis of the results of scientific works of scientists and researchers in the field of securities accounting at the legislative, regulatory, methodological and organizational levels. The novelty of the study lies in the proposal and justification by the authors of the new federal standard for accounting and reporting securities of organizations.

*Keywords: securities, accounting, financial statements, business model.*

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## INNOVATION SECURITY AND CLUSTERING IN THE DYNAMICS OF MULTICYCLIC REGIONAL REPRODUCTION: DECOMPOSITION, MODEL, SPECIFICS OF BORDER REGIONS

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The author of the article carries out a structural and conceptual decomposition of the category of innovative security of a border region, which allowed to identify its main problematic aspects in the modern discourse. Regional cluster self-organization is conceptualized as a multilateral response of the business environment of the region to external and internal threats to innovation security. Basing on the concept of interdependent oscillation of the regional reproduction cycle, the study proposes the structural-logical and economic-mathematical model of the mutual influence of regional clustering and innovation security. Theoretical positions and conclusions are evidenced with the empirical material on the Western border regions of Russia.

*Keywords: regional innovation security, clusters, cyclic dynamics, regional reproduction, self-organization.*

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## METHODOLOGY FOR ASSESSING THE PROCESSES OF DIGITAL TRANSFORMATION IN ECONOMIC SYSTEMS

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At the present stage of development of the Russian economy, the traditional model of economic growth through investment in fixed capital or financial investments is losing its former importance. Statistical trends of recent years confirm the fact of formation of the initial stage of digital development model in the national economy. Economic science should deepen, Supplement the existing and offer new provisions, methodologies, laws, based on which the subjects of the economy will be able to plan, evaluate, organize their further activities in the direction of digital transformation.

The article substantiates the methodology for assessing the ongoing processes of digitalization in the activities of organizations, industry complexes, in particular, in the development of the transport system as the most important infrastructure basis of the national economy. Based on the study of statistical indicators in the field of digitalization, conclusions are formed regarding the level and dynamics of the ongoing processes of digital transformation in economic systems. The proposed methodology will help to obtain an objective assessment of the processes of digitalization in various spheres of economic activity, the specification of the planning system in the framework of building a digital economic model in the country.

*Keywords: investments in digital technologies; digital economic model; statistics of digitalization processes.*

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## STATISTICAL ASPECTS OF MEASURING THE DIGITAL ECONOMY

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An urgent task for economic science in the study of the foundations of the digital economy is its statistical measurement, assessment of the scale, impact on macroeconomic indicators, comparative assessment and comparison with the pace of development of other economic categories and economic sectors. The article substantiates the author's approach to the statistical assessment of the development of the digital sector of production of goods and services. The types of activities related to the national sector of production of digital goods and services are given. Statistical indicators of the digital economy assessment are proposed to provide reliable data on the contribution of the digital economy to the national economy and its integration into the global value chains formed on the basis of digital technologies. This approach deepens the methodological basis of statistical evaluation of the digital economy, and its application contributes to its objective measurement, understanding and making key decisions to accelerate the transition of the national economic system to the digital model.

*Keywords: assessment of digital economy, statistics of digital technologies, scale of digital economy, digital sector, production of digital goods and services.*

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## PERSONNEL POTENTIAL OF THE REINDUSTRIALIZATION OF THE TERRITORIES OF THE RUSSIAN FEDERATION

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The article presents the main results of the analysis of the personnel potential of the reindustrialization of the Russian Federation. This work is a continuation of the study of the theory and practice of reindustrialization, aimed at improving the efficiency of the functioning and competitiveness of the Russian economy. The economic policy currently being implemented in the Russian Federation does not promote reindustrialization, so it is necessary to pay special attention to the factors that directly affect the quality of the reindustrialization process. High-quality personnel potential of the region contributes to technical and technological renewal and production of innovative products, provides growth of labor productivity and innovative products.

*Keywords: reindustrialization, personnel potential, regional policy, personnel policy, human capital index, reindustrialization factors.*

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## ON THE DEVELOPMENT OF VIRTUAL MOBILITY OF THE EDUCATIONAL PROCESS AS A KEY FACTOR IN INCREASING THE COMPETITIVENESS OF HIGHER EDUCATION INSTITUTIONS IN THE RUSSIAN FEDERATION

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The authors' article is devoted to the issue of the development of virtual mobility of the educational process as a key factor in improving the competitiveness of higher education institutions in the Russian Federation. The object of the study was the competitiveness of higher education institutions in the Russian Federation, and the subject of increasing their competitiveness in terms of the development of virtual mobility of the educational process. The theoretical and methodological significance of the study lies in expanding perceptions of the level of competitiveness of higher education institutions within price and non-price projections. The practical significance of the study is determined by the identification of possible options for the development of virtual mobility of the educational process in higher educational institutions of the Russian Federation.

*Keywords: Development, virtual reality, mobility, educational process, key factor, increase, competitiveness, higher education institution, Russian Federation.*

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## COOPERATION IN THE CONTEXT OF SOCIAL DEVELOPMENT STRATEGY

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The article is devoted to the theoretical analysis of essential qualities of social market economy. Embodying the ideas of solidarity, it creates the most favorable conditions for the development of cooperation all kinds and forms. It is shown that the state in the system of the new economic order should be transformed into a subject of the market economy, acting as an institution that harmonizes public, group and individual interests and creating a «mechanism of open access» to the factors of production for all actors of economic activity. The characteristic features of the cooperative form of ownership are revealed.

*Keywords: essential qualities of cooperation, contradictory nature of cooperation, cooperative property, theory of solidarity, social market economy, state cooperative policy, post-capitalism, small forms of management.*

Financing: The Work was carried out within the framework of the RFBR grant 18–010–00437 «Cooperation as an instrument for development rural areas and economic self-organization of population», contract № 18–010–00437\19 dated March 14, 2019.

## TIME AS AN OBJECT OF RESEARCH IN ECONOMIC SCIENCE AND MANAGEMENT: A REVIEW OF MODERN WORKS AND METHODS

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The article attempts to conduct, on the basis of critical analysis, a brief review of modern scientific works devoted to the study of time as an object of study in economic theory and management. Particular attention is paid to finding the source of a one-sided traditional approach to the perception of time as a parameter of the duration of economic and managerial processes. Based on modern views on time and its leading role in management, it is concluded that it is necessary to study it on the basis of the nonlinearity of time.

*Keywords: time, economic theory, management, time management, nonlinearity of time.*

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## VIRTUALISATION OF INDUSTRIAL PLANT CONTROL APPARATUS IN CONDITIONS OF DIGITAL TRANSFORMATION

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The article discusses the current issues of virtualization of structures of the industrial enterprise management apparatus, which allows to optimize the organizational structure and introduce modules of intelligent knowledge accumulation systems into the corporate information system of the enterprise. Synthetic model is proposed, levels of which are represented by structure-forming elements of virtual segments.

*Keywords: digital economy, industrial enterprise, virtual enterprise, information flows, logistics approach, accumulation of knowledge.*

## SITUATIONAL AND SYNERGISTIC APPROACH TO KNOWLEDGE ACCUMULATION IN INDUSTRIAL MANAGEMENT SYSTEMS

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The article presents the results of a study on improving enterprise management mechanisms through the introduction of information support systems for decision-making based on knowledge accumulated and generated automatically. The basis is based on situational and synergistic approaches to the formation of information infrastructure of management.

*Keywords: industrial enterprise; information infrastructure; problem situation of management; knowledge base; accumulation of knowledge.*

## PUBLIC HEALTH AND SPECIALIZED MEDICAL CARE: A REGIONAL DIMENSION

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Annotation. One of the most important indicators of the quality of life of a country's population is the population's health indicators, while the issues of the structure of medical care, the routing of patients, and the calculation of economic damage from morbidity and mortality in the context of individual diseases and regions of the country are fragmented. The article discusses the individual causes of mortality among the working-age population, the dynamics of morbidity from neoplasms, and also examines the system of specialized medical care on the example of one of the regions.

*Keywords: public health, quality of life, public health, causes of death*

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**COMPARATIVE ANALYSIS OF NORMATIVE AND LEGISLATIVE METHODS  
OF ACCOUNTING AND DETERMINING THE COMPOSITION OF COST BY ORDER  
IN THE IMPLEMENTATION OF THE STATE DEFENDER IN THE FIELD  
OF INDUSTRIAL ENGINEERING, SUBJECT TO COOPERATION**

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The article discusses and analyzes the procedure for determining the composition of costs for the  
production of defense products supplied by the state defense order.

*Keywords: state defense order, cost, engineering, cooperation.*

**PETROCHEMICAL INDUSTRY AS A DRIVER FOR THE DEVELOPMENT  
OF INTANGIBLE PROPERTY**

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The article discusses the distribution of intangible assets by region and federal district. The data on  
patenting and use of intellectual property in the regions of the Russian Federation are analyzed. The  
structure of the balance sheets of companies with the most expensive brands, among which in the Russian  
Federation there are oil and gas production and processing industries, is investigated. It is concluded that  
the oil industry acts as a catalyst for the development of intangible property in the regions of the Russian  
Federation.

*Keywords: intangible assets, intangible property, oil industry, patent, license*

**STUDY OF STRUCTURAL AND DYNAMIC CHANGES  
OF FIXED ASSETS IN RUSSIA**

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The progressive development of the economy should be based on the material and technical base and infrastructure elements, thus, studying the state of fixed assets and their impact on basic macroeconomic indicators is an urgent task to be solved by economic science. The aim of the study is to study the quantitative changes occurring in the structure of fixed assets during 1990–2018. To solve this problem, general scientific and economic-statistical methods were used. The main results include: found a decrease in the share of fixed assets in the structure of national wealth of Russia, which is associated with the growth of intangible assets in connection with the digitalization of the economy; with an increase in the average annual value of fixed assets in absolute terms, in relative terms, there is a slowdown; during 1990–2018 the largest share of fixed assets is concentrated in industry, but the share of transport and communications has significantly increased, due to the transition to a digital economy; the renewal ratio is higher than the disposal ratio, which indicates an increase in assets. The results can be used later in the study of variation, differentiation and structure of the national wealth of Russia.

*Keywords: economy, development, fixed assets, national wealth, dynamics, structure.*

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## RELATION MODELS OF THE SUBJECTS OF THE INVESTMENT-BUILDING PROCESS AND THE ROLE OF DESIGN ORGANIZATIONS

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The article examines the investment-building process and the points of view of the scientific community on the definition of this concept. It includes the systematization and definition of authorities and obligations of the subjects of the investment-building process. Their interaction models were developed and considered depending on the sources of investment. It analyses the importance of design activity and it determines the role of design in the construction industry.

*Keywords: construction, design, design organizations, investment-building process, investment-building project, subjects of the investment-building process.*

## ANALYSIS OF DIGITAL ECONOMY INTEGRATION IN SOCIAL AND ECONOMIC REPRODUCTION PROCESS

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The article discusses specifics of formation of digital economy in developed and developing countries including Russia. Ways and directions which may be differ from developed countries because of conditions of interaction with capital and its allocation. We pay attention to ownership and property relations as part of this issue which are important especially within production of digital goods and services in conditions of developing digitalization mechanism and digital ecosystem. Researches the necessity of formalizing the digitalization of the economy, the driving forces and creating tools for the effective functioning of the institutional environment.

*Keywords: Digital economy, Digitalizing, Intellectual Property, Economics, Digital ecosystem, Information technology, Development.*

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## ON APPROACHES TO RISKS ANALYSIS OF HIGHER EDUCATION SYSTEM IN THE RUSSIAN FEDERATION IN THE PROJECTION OF ITS ECONOMIC SECURITY

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The authors' article considers the issue of risk analysis of the higher education system in the projection of its economic security. The subject of the study was the system of education of the Russian Federation, and the subject was the approaches to analysis of its risks in the projection of economic security. The theoretical and methodological significance of the study is contained in the expansion of classification representations of the issue of the higher education system risk analysis. The practical significance of the study is clarified by determination of the distribution of the relative relevance of emphasis within different approaches in terms of their applicability in modern realities.

*Keywords: Approaches, analysis, risks, higher education, Russian Federation, projection, economic security.*

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## OUTFLOW OF POPULATION FROM THE REGIONS OF THE RUSSIAN FAR EAST: TRENDS AND REASON

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The comparative analysis of migration outflow from the subjects of the Far Eastern Federal district

has been carried out. The comparative analysis of time series models has been carried out too and the autoregressive model for short-term forecasting of a tendency of outflow of the population has been chosen. A model based on panel data has been built, with the help of which economic factors have been obtained that significantly affect the reduction of migration outflow. The social factors influencing the increase in the outflow of population from the subjects of the region have been identified. It has been concluded that migration outflow is a systemic problem with not only economic but also social causes.

*Keywords: migration outflow, Far Eastern region, model with fixed effects, per capita income, economic and social factors*

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## INSTITUTE OF EMPLOYMENT IN DEVELOPING QUALITY OF WORKING LIFE

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The article considers the institutional aspect of employment in the development the quality of working

life in Russia. The facts of the influence of formal and informal rules on the formation of opportunistic behavior of subjects of the institution of employment and possible ways to overcome them are revealed.

*Keywords: quality of life, quality of working life, institution of employment*

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## GENDER ASPECT OF EMPLOYMENT OF PRE-PENSIONERS

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The article deals with the topical issue of employment of pre-retirement age persons, as well as with measures to preserve employment for this category of citizens, taking into account gender differences. It was revealed that in the long run in order to increase job security and reduce the poverty level of pre-pensioners, it is necessary to take into account the differences in employment of men and women when developing retraining programs.

*Keywords: quality of life, quality of working life, employment of pre-pensioners, gender differences.*

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## ORGANIZATION AND ACCOUNTING IN FAMILY GUEST HOUSES

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## FEATURES OF THE APPLICATION OF SPECIAL TAX REGIMES FOR SELF-EMPLOYED RURAL AREAS

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## SOME PROVISIONS OF ECONOMIC MANAGEMENT OF SUSTAINABLE DEVELOPMENT OF INDUSTRIAL ENTERPRISES IN THE CONDITIONS OF REINDUSTRIALIZATION

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Addressing issues of economic management of sustainable development of industrial enterprises is of particular importance for the modern business community. In the process of reindustrialization, there is a transformation of the economic conditions of industrial enterprises associated with changes in the industrial and technological basis of the economic system and the mechanism of economic management in the context of creating flexible business management systems. Implementation of the concept of sustainable development of industrial enterprises on the basis of economic management becomes a “platform” for strengthening their business reputation, increasing competitiveness and market capitalization. The article reveals some theoretical and methodological provisions of economic management of sustainable development of Russian industrial enterprises in the conditions of changing the vector of development of the national and world economy. It is revealed that economic management of sustainable development plays a crucial role in the effective functioning of industrial enterprises and the industrial sector of the Russian economy as a whole.

*Keywords: sustainable development, the concept of sustainable development, reindustrialization, economic management, industrial enterprises, the industrial sector.*

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## STATE REGIONAL MEDIUM-TERM PROGRAMS DEVELOPMENT — THE BASIS FOR THE FORMATION OF STATE REGIONAL MARKET OF GOODS, WORKS, SERVICES

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The article shows the role of medium-term programming in the constituent entities of the Federation and its influence on the formation of the regional market of goods, works, services for public needs.

*Keywords: public services, resource support, state regulation, state development programs.*

## MODELLING THE STRUCTURE AND PRODUCTION VOLUMES OF THE FOREST SECTOR IN FOREST PLANNING

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This article discusses the model of formation of structure and production volumes of the forest sector, taking into account economic accessibility of forest resources. This model is based on the combined approach of justifying the production volumes and assortment of products of the forest complex, and is a task of integer linear programming. The economic content of the results of the solution of this model is disclosed, and their role in forest planning is indicated.

*Keywords: forest resources, wood harvesting and processing, forest planning, model, economic availability of forests, linear programming.*

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## FEATURES OF REALIZATION OF IMPORT SUBSTITUTION IN THE FOOD INDUSTRY OF THE RUSSIAN FEDERATION

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The industry-specific features of food industry enterprises and the dependence of their functioning indicators on the relative and absolute advantages of the territory of location suggest the need to adapt traditional instruments to stimulate import substitution processes in this sector of economic activity. The article provides an overview of the evolution of import-substituting activities in the countries of Latin America and Southeast Asia from 1940 to 1980. Four methodological approaches to the interpretation of the essence of import substitution processes that have developed in Russian economic science are analyzed, and the terminological design “innovative import substitution” is proposed, which is interpreted as a set of tools to stimulate the production of domestic analogue products during modernizing the technological

base of the industry and introducing process and product innovations. It is concluded that it is necessary to use targeted measures that stimulate import substitution in the food industry in modern Russia, taking into account the climatic conditions and the adaptive potential of individual business entities.

*Keywords: Food industry, food safety, innovative import substitution, quality of food products, competitiveness of import substitution enterprises, quality of life of the population.*

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## **DEVELOPMENT AND IMPLEMENTATION OF CLUSTER INITIATIVES WITH THE PARTICIPATION OF PHARMACEUTICAL ENTERPRISES IN THE RUSSIAN REGIONS**

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The experience of developing pharmaceutical clusters in the Russian Federation and abroad confirms the effectiveness of the functioning of cluster formations. This is reflected in the dynamics of indicators of financial and economic activities of residents and the territory of accommodation. The experience of implementing cluster strategies in Russia and abroad, as well as the competitive advantages of the Republic of Tatarstan, determined the decision to create an international medical cluster in the region. Implementation of cluster strategies will ensure the sustainable development of residents of cluster education. It will have a positive impact on the dynamics of indicators of the quality of life of the population.

*Keywords: Pharmaceutical industry, cluster, cluster strategies, International Medical Cluster, region, Republic of Tatarstan, innovation.*

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## THE INFLUENCE OF LEASING ON THE COMPETITIVENESS OF THE REGION

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Leasing is a modern tool that allows you to upgrade the fixed assets of the enterprise and ensure its competitiveness. The article analyzes the impact of leasing on the competitiveness of the region. A mechanism is proposed for determining the significance of regional competitiveness factors.

*Keywords: region competitiveness, machinery leasing, equipment leasing, transport leasing, financial leasing, investment.*

## STATISTICAL ANALYSIS OF THE DIFFERENTIATION OF THE CONSTITUENT ENTITIES OF THE RUSSIAN FEDERATION BY THE QUALITY OF LIFE OF THE POPULATION

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## **AN EMPIRICAL ANALYSIS OF THE RELATIONSHIP BETWEEN QUALITY OF LIFE AND POPULATION MIGRATION IN THE CONSTITUENT ENTITIES OF THE RUSSIAN FEDERATION**

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## **FACTORS INFLUENCING THE DEVELOPMENT OF CONSTRUCTION IN RUSSIA AND CHINA**

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The article presents the analysis of external and internal factors influencing the development of construction in Russia and China. Based on the structure and dynamics of the construction market in Russia and China, the main aspects of its development were identified.

*Keywords: construction, construction market, factors of construction development, economic growth of Russia, economic growth of China*

## **TRANSFORMATION OF THE STATE CORPORATION'S STATUS WITHIN THE CONTEXT OF THE FORMATION A NEW PARADIGM OF THE RUSSIAN ECONOMIC DEVELOPMENT**

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The article is devoted to the transformation of the status of a state corporation as an institutional element of achievement the development goals of the Russian Federation, formulated in Decree of the President of the Russian Federation dated May 07, 2018 No. 204. The author comes to the conclusion, that current legal regulation of a state corporation should be systematized, thus will allow the creation of a new legal concept of a state corporation status as a “drive mechanism of the state’s economic development”.

*Keywords: the state, the president of the Russian Federation, Accounts Chamber of the Russian Federation, state corporation, status, ownership, investment, transformation.*

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**FINANCE, MONEY CIRCULATION AND CREDIT**

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**ANALYSIS OF THE STATE OF THE EXTERNAL DEBT  
OF THE RUSSIAN FEDERATION**

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This article discusses the structure of the external debt of the Russian Federation, analyzes its dynamics for 2009–2019. The indicators of debt sustainability of the Russian Federation are being studied; they are compared with the indicators of some other countries. Special attention is paid to the external debt of the government, a model that allows to predict its dynamics is being built.

*Keywords: external debt of the Russian Federation, debt sustainability, external government borrowing forecast.*

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**BOOK KEEPING, STATISTICS**

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**ANALYSIS OF ARREARS: POSSIBLE APPLICATION OF NEW INSTRUMENTS**

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To date, a significant problem for both credit institutions and collecting agencies was the establishment of the effective value of the retail portfolio and, in particular, the debt on loans of individuals. The relevance of the article was due to the fact that in recent years there had been relatively little research, scientific and practical work on the issue, despite the seriousness of the issue.

*Keywords: Accounting, reporting, arrears, analysis of legal arrears*

**PROBLEMS OF DETERMINING SUBJECT MATTER IN THEORY, METHODOLOGY,  
ACCOUNTING SCIENCES PRACTICE**

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The accounting structure has become a constraint to the development of commercial organizations and this is economically unjustified. There were serious substantive and terminological problems related to new qualitative characteristics of concepts: assets, liabilities, capital, reserves, income, expenses (new properties, trends, patterns). The article discusses the historical stages of accounting development that led to these problems and ways to overcome them.

*Keywords: Accounting, reporting, accounting subject, automation*

## **WORLD ECONOMY**

### **CHINA: DEVELOPMENT OF THE NATIONAL INNOVATION SYSTEM**

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Author conducted a study on the development of national innovative system of China. The main ways of the improving of this process were defined. It is concluded that the growth of the Chinese innovative economy is affected by the increase of the R&D funding. It has been established that the main structural elements of China's national innovation system are government organizations, universities, research institutes, and research divisions of companies.

*Keywords: China, national innovative system, R&D funding, economic development*

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### **IMPROVING THE SYSTEM OF HOUSING MORTGAGE LENDING AS A FACTOR IN THE SUSTAINABLE DEVELOPMENT OF THE NATIONAL ECONOMY**

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The article describes the main directions of improving mortgage housing lending in the context of the concept of sustainable development. Models of the organization of mortgage housing lending and the possibility of their application in Russia are considered, as well as an analysis of the mortgage market of the Rostov region.

*Keywords: housing mortgage lending, sustainable development, mortgage lending models, regional mortgage market.*

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## RUSSIA'S PLACE IN GEO-ECONOMIC SPACE

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This article analyzes the main aspects of the position of the Russian Federation in the global geo-economic space. The positive impact of integration processes on the development of the economy of the Russian Federation is noted. The main directions of actual economic orientation and geo-economic vectors of the Russian development promoting increase of competitiveness of the country are revealed.

*Keywords: economic space, competitiveness of the country, national interests, national security.*

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## **ASSESSMENT OF THE SUSTAINABILITY OF ECONOMIC SYSTEMS DESCRIBED BY ECONOMIC CENOSIS ON THE EXAMPLE OF THE BANKING SECTOR OF THE REPUBLIC OF MOLDOVA**

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Based on the results from 2014 to 2018, a cenological analysis of the banking sector of the economy of the Republic of Moldova, estimates of its financial and economic stability are calculated and rank parametric distributions of banking organizations are obtained. The values of the sustainability indicators make it possible to assess the influence of external factors (global economic crises, investments of the International Financial Organizations) on the stability of the banking sector of Moldova. The structure of rank parametric distributions allows us to determine the most problematic places in the banking sector, and based on this, formulate recommendations on how to increase its stability.

*Keywords: International Financial Organizations, economic system, banking sector, economic cenosis, rank parametric distribution, hyperbolic H-distribution.*

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