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International scientific journal “Market economy problems” is the Market Economy Institute’s of Russian Academy Sciences e-journal with an open access to the research articles which are published there. It is a quarterly published periodical scientific edition. The journal is published since 2015.

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The prominent economists of Russia and a number of foreign scientists who share the views of the journal’s founders for its mission and research areas agreed to enter the journal’s Editorial Board.

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Opportunities for expanding Russian financial operations in global markets and developing the international financial center of Russia

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Abstract

Subject/topic. Study of the features of the creation, activities and development of international financial centers. **Goals/Ojectives.** Search for opportunities to expand Russian operations in the global financial market through the development of the international financial center of the Russian Federation. The object of study is global financial markets. The subject of the study is Russian operations in global financial markets. **Methodology.** General scientific and special methods of scientific knowledge: descriptive and analytical, analysis and synthesis, methods of quantitative and qualitative comparisons. **Results.** In the course of the work, it was concluded that in the short term, Russia is not ready to become an international financial center. In order to compete with top-rated international financial centers such as New York, London and Hong Kong, the Russian economy has an underdeveloped financial infrastructure. The digitalization of the economy and the financial system, the development of distributed ledger technology («blockchain») can have a significant impact on the financial market by modernizing the existing system, as well as eliminating individual institutions or intermediary functions. To expand Russian financial operations in the global financial market through the development of the International Financial Center of the Russian Federation, it is necessary to develop cross-border settlement and clearing payment service systems in national currencies. **Conclusions/Relevance.** In the work, the place of Moscow among international financial centers was determined. It is noted that in the process of the spread of globalization processes the role of international financial centers is being transformed and today, serving the movement of international financial flows, they are a key component of the global financial system mechanism. The necessity of promoting the development of Russia as an international financial center is substantiated, since this has a positive impact on the country's economy, increases the level of welfare of the population, and reduces the level of unemployment. The informational basis of the article is monographic studies and periodical publications of domestic and foreign scientists and economists, materials and analytical reports of international consulting companies and analytical centers. **Application.** The results of the work can be used in further scientific research and practical development in the field of identifying the features of the functioning of world financial centers, the patterns of development of world financial markets, substantiating the choice of tools and mechanisms for improving the financial system and introducing best international practices in the Russian economy.

The article was prepared within the framework of the state assignment of the Market Economy Institute of the Russian Academy of Sciences, the topic «Socio-economic and scientific-technological development at various levels of government in the sectors, complexes and fields of activity of the national economy of Russia»

Keywords: *international financial center, financial globalization, EAEU, cryptocurrency, escrow account*

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Development of e-government in Russia: advantages, barriers and prospects

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Abstract

Subject/topic. The article discusses the development of e-government in the context of digitalization of the Russian economy. **Goals/objectives.** Show the stages of development of e-government and to assess the effectiveness of its development in Russia. **Methodology.** A review of scientific sources on the development of e-government and considered the stages of its formation. The analysis of statistical information is applied and the indicators reflecting staffing of state bodies, loading on service of the population, labor productivity in sector of public administration and the Russian economy as a whole, and also functioning of a portal of public services are calculated. **Results.** Labor productivity in the public administration sector is determined, on the basis of which the efficiency of e-government development is evaluated. The advantages of the development of e-government, manifested through increasing the efficiency of public administration and service, satisfaction and trust of citizens, transparency of government agencies and increased participation of citizens in decision-making. Barriers (technical, economic, organizational, strategic and social) and prospects for the development of e-government are identified and the formation of the transactional stage in Russia is justified. **Conclusions/significance.** The study showed the presence of disproportions in the development of e-government in the North-Western Federal district. At the Federal level, the transactional stage of e-government is actively being formed, the main feature of which is an exponential increase in the volume of transactions on the public services portal. It is determined that the technology of e-government is a complex multidimensional process formed by the institutional motivation of the authorities and the population of the country. The processes of deployment of e-government at the Federal level are quite active, which contributes to the transparency of authorities. **Application.** Should be systematic work on technology penetration e-government at the level of regional and municipal authorities that will enhance openness and accessibility of authorities and deployment of the integration stage of e-government. The results of the study can be applied in practical decision-making of authorities on the development of e-government.

Keywords: *digital economy, e-government, public services, labor productivity*

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Digital economy of the XXI century and agriculture: a view from the perspective of developed and developing countries

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Abstract

Subject/topic. This article discusses the development of the digital economy in the agricultural sector in developed and developing countries. The subject of the study is the process of introduction of digital technologies in the agro-industrial sector in developed and developing countries; the object is the agro-industrial sector of agriculture. **Goals/objectives.** The purpose of this article is to determine the prospects for the development of digital technologies in the agricultural sector in developed and developing countries. **Methodology.** The methodological basis of this study is an interdisciplinary approach, which is implemented in the use of the principles of objectivity and consistency. The method of theoretical analysis and synthesis, classification, method of induction and deduction, comparison, etc. **Conclusions/significance.** In the article, the author determined that the main types of digital technologies used in the modern world agriculture are: computational decision-making tools; cloud technologies; surveillance equipment; micro-robots; digital communications (mobile, broadband, LPWAN); geolocation (GPS, RTK); geographic information system; yield monitors; accurate soil sampling; unmanned aerial vehicles (for example, drones); automatic control and guidance; variable speed technology; on-Board computers; radio frequency identifier; automated milking, feeding and monitoring systems, etc. It is noted that the penetration of advanced digital technologies in agriculture is rapidly developing in countries with developed economies and has an increasing impact on developing countries. It is proved that not only Russia, but also many countries in the process of globalization of the market should equally accept the challenges of digitalization. Mutual exchange, including at the international level, provides a great chance: to use the accumulated experience in your country and catch up, and thanks to this, in the long term, all participants in the digital transformation can benefit. Also, due to the specifics of agricultural production (involving its highly localized and volatile resources, poor connectivity in rural areas, gaps in education and research, support for business and global players), digital agriculture requires special attention from governments and industry leaders. For example, governments in developing countries should improve research regulations and training through the establishment and provision of an effective data infrastructure, through appropriate government financial support and staffing. It is revealed that currently there is a certain imbalance in the introduction of innovations in developed countries and in developing countries. In developed countries such as the United States, Canada and France, high levels of technological adoption and innovation can be noted, while in developing regions such as the middle East and Africa, Asia-Pacific and South America, there is a growing demand for innovation in agriculture. This factor also drives the market. Experts and scientists predict that developing countries (India, China, Brazil, Southeast Asia and Japan) will change the trends and dynamics of the market in the future as a whole. In conclusion, it is determined that the main key factors contributing to the digital transformation of APCC and the agricultural industry in both developed and developing countries are: the use of the Internet, mobile and social networks among farmers and agricultural extension workers, digital skills among the rural population and a culture that encourages digital technologies and innovations. **Practical significance.** The findings and results of the study are useful for specialists in the field of research problems of agriculture, digitalization.

The article is prepared within the framework of the state task of the IPR RAS, the theme of research «Socio-economic and scientific-technological development at different levels of management in industries, complexes and spheres of activity of the national economy of Russia».

Keywords: *agro-industrial complex, agriculture, food security, digital economy, digital technologies, modernization, digitalization, developed and developing countries*

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The current state and trends of development of elements of the digital economy in Russia within the key trends of the "digital revolution" in the world economy

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Abstract

The article reviews the current state and trends in the development of elements of the digital economy in Russia in the framework of the key trends of the "digital revolution" in the world economy. The conclusion is made and substantiated that the lag of our country from the developed and many new industrial countries of the world in most indicators characterizing the introduction of digital technologies forms the basis for systemic imbalances in the processes of building a basic digital infrastructure, which is a threat to Russia's economic security. Due to the lack of a properly developed theoretical framework that takes into account the new trends of innovation and digital transformation, a special study of ways to improve the economic security of Russia in the conditions of building a digital

The article was prepared in the framework of the state task of the MEI RAS, the theme of research "Modeling of socio-economic dynamics and structure of economic growth factors of the EAEU and other countries in the context of modernization".

Keywords: *Russian economy, digital economy, economic security, information and communication technologies, innovation and digital transformation, world economy*

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The current crisis in the global economy and in Russia: structural fluctuations

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Abstract

Topic. Over the past twenty years, in order to study crises, a relatively new effective tool has been used - a cyclic-coherent approach to considering the mutual influence of cyclic and acyclic processes of economic development. The cause of the catastrophic nature of the current crisis in the world economy is the manifestation of a kind of coherent resonance in macroeconomic systems. The stability of the American cyclic-coherent economy is due to the dynamics of dollar emissions under conditions of disturbing or stabilizing economic factors (supply and demand for goods and services) [17]. In this case, we can note a special class of cyclic-coherent interactions [16]. Its manifestations are also characteristic of the Russian economy. **Objectives.** The purpose of the article is to study the essence of the manifestation of coherent resonance between cycles of macroeconomic dynamics taking into account structural fluctuations. **Methodology.** The main research methods were methods of analysis and synthesis, comparative economic analysis, economic and statistical. **The results of the study.** It has been established that the coherent resonance in the economy from the point of view of the cyclic-coherent approach is manifested, in the so-called "overheating" of the economy. Since the main instrument of the Bank of Russia used in conditions of "overheating of the economy" is raising interest rates as a means of combating inflation, the real effect is the refusal of enterprises to expand loans, which negatively affects the development of the economy and the rate of economic growth. At the same time, to reduce the devaluation of the ruble, it seems advisable to influence the monetary market not by raising rates, but by reducing the risks of a currency shortage in the market. **Conclusions.** The main directions of eliminating coherent resonance in order to increase the investment attractiveness of the Russian economy and stabilize its activities are: transformation of the business climate, improvement of control and supervision activities, development of corporate legislation and development of competition.

The article was prepared as part of a state assignment and basic research of the IPR RAS «Socio-economic and scientific-technological development at various levels of management in the sectors, complexes and spheres of activity of the national economy of Russia».

Keywords: *cyclicality, macroeconomic dynamics, crisis, Russia, coherent resonance*

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The current crisis – is the manifestation of the macroeconomic synchronization of nonlinear quasi-harmonic oscillations

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Abstract

The aim of the article is to study the development trends of the modern crisis as a manifestation of macroeconomic nonlinear synchronization of quasi-harmonic oscillations within the cyclic dynamics of various processes of economic development. *Research result.* The modern theory of economic development covers achievements from a wide range of branches of knowledge, and, first of all, from those which concern nonlinear processes in the nature and in society-nonlinear dynamics, the theory of catastrophes, synergetics). This allows us to expand our conceptual horizon of innovative development of economic systems in the context of globalization and increased competition in the domestic and foreign markets. The global systemic financial and economic crisis arose as a result of credit expansion, not supported by solvent demand; increase in the cost and number of speculative transactions; advanced development of the financial sector in comparison with the real sector. The global financial crisis has exposed the serious shortcomings of the US economy. It turned out that despite the rapid economic growth in the 2000s, the median household income did not increase. The rich enjoyed the benefits of economic growth, the middle class received nothing. This led to an increase in social discontent, and was one of the reasons that not so long ago in the United States came to power populist. The problem of inequality has not yet been solved, and remains one of the most serious challenges for developed countries. The crisis has led to tighter financial regulation around the world. The consequences of the financial crisis are reflected not only in the US economy, which has not yet reached its previous growth trajectory, but also in the entire world economy. The result of the American financial crisis was a drop in international investment flows, a reduction in international trade, lower prices for oil and metals. This has seriously affected developing countries that export natural resources. In Europe, this situation turned into a debt crisis, which is still hard to bear southern European countries. The development of specific ways, goals and objectives of the economic policy of the state provides for the allocation of priority sectors in the national economy, as well as the assessment of the national and international situation of the state. In this regard, the following directions of the state policy of stabilization of economic development and minimization of negative phenomena of cyclic development of economic system were allocated: optimization of the gold and foreign exchange reserves of the state; optimization of international channels of synchronization of various economic processes; formation of a diversified structure of the national economy; ensuring a Pro-cyclical economic policy of the state.

The article was prepared in the framework of the state task of the MEI RAS, the theme of research «Socio-economic and scientific-technological development at different levels of management in the sectors, complexes and spheres of activity of the national economy of Russia».

Keywords: *crisis, macroeconomic processes, economic cycles, economic development, quasi-harmonic fluctuations*

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Sustainable Development: The Environmental and Economic Aspect

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Abstract

A study was conducted on the most promising approaches to the country's sustainable development, therefore was showed the need to form a type of economy where environmental aspects of economic development would be taken into the account. The mechanisms for implementation of green economy at the national level were considered. Based on the analysis, it was concluded that the implementation of green economy mechanisms and the solution of environmental problems can be provided by a new level of government and business regulation and by introduction of new technologies, within the framework of environmental and economic policy.

Keywords: *sustainable development, green economy, energy efficiency, environmental factor, modernization, green investment, innovative development*

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Current trends in the development of the transit economy in Central Asia

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Abstract

The article discusses the current trends in the development of the transit economy in Central Asia (CA) - the national economic and spatial system that provides transit transportation of high-value goods and services and generates revenues distributed among economic agents. The emphasis is on the analysis of the implemented and planned development projects of rail transport as best suited to maintenance tasks of increasing turnover, achieving high speed and reducing time of delivery, as well as against the transit of drugs and explosives, weapons, religious extremism and terrorist groups. Observed value and made an analysis of the current state of projects of evolutionary-institutional development of the transport-transit system (TTS) of the Central Asian countries that have the greatest impact on the implementation and improvement of the transport-transit potential of the region. It is concluded that the implementation of transport and communication projects aimed at interfacing the development of the TTS of Uzbekistan, Tajikistan and Afghanistan is of paramount importance.

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Keywords: *transit economy, evolutionary-institutional approach, public-private partnership, international transport corridors, energy transport systems, railway, highway, Central Asia, EAEU, "Belt and road"*

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54-th Nobel prize in Economics awarded: for the poverty pill or the evidence-based Economics of inequality?

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Abstract

The article presents a summary of the key scientific discoveries of the Nobel laureates in Economics in 2019 for experimental studies of global poverty in various countries and continents of the world. The key theses and substantive nuances of new approaches to understanding and assessing the impact of the implemented measures and programs to combat increasing poverty are summarized.

Keywords: *Nobel prize, global poverty, the economics of inequality, evidence-based economics, experimental research*

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**Researchers from MEI RAS were awarded silver medal
and diploma at the XXI Russian agroindustrial exhibition
"Golden autumn-2019"**

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Abstract

From 09 to 12 October 2019, the XXI Russian agroindustrial exhibition "Golden autumn-2019" was held. The exhibition was organized by the Ministry of agriculture of the Russian Federation. Medals and diplomas of the exhibition were awarded to the winners in the category "For effective information and consulting support of agriculture". The cycle of scientific-practical works in the field of development of scientific systems of the agricultural production in the regions of Russia in the context of modernization and digitalization, presented by researchers of laboratory for strategic development of agroindustrial complex of MEI RAS was awarded silver medal and diploma of the exhibition. The article briefly describes the main scientific results of this research cycle.

Keywords: agricultural exhibition, a series of studies, silver medal, diploma of the exhibition

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