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Abstract Collection

Economy of Russia and Regions

S.V. Solovieva, M.Yu. Remezova

Poor Economy 4

Digital Economy

V.A. Tsvetkov, M.N. Dudin, N.V. Lyasnikov

Features of non-cash retail settlements in the transition
of the banking sector to digital technology 5

M.N. Dudin, N.V. Lyasnikov, S.N. Sayfiyeva

Safety of the financial system of Russia in the conditions
of the development of the global market of crypto-currencies..... 6

A.A. Yurieva, M.N. Dudin, N.V. Lyasnikov

Institutionalization of the crypto-currency regulation system:
issues of ensuring the security of The Russian financial system..... 7

E.L. Loginov, T.A. Shkuta, V.L. Loginova

The supersystem of the digital economy: functioning and development
based on the principle of self-organizing integration 8

Economic Security

S.V. Chernyavsky, D.A. Firsov

Transformation of budget investments into derivative
investment projects as a threat to economic security 9

Ecological and Economical Market Regulation

M.G. Prokopyev

The ecological component of food security 10

A.D. Vitukhin

Foreign experience of ecological-economic regulation and assessment
of environmental pollution damage (the example of Europe, USA, Japan)..... 11

International Economic Integration

K.Kh. Zoidov, A.A. Medkov, Z.K. Zoidov

Directions of trade and economic cooperation and integration
of the Republic Tajikistan economy into the Greater Eurasian space 12

Economic and Mathematical Modeling

M.R. Kogalovsky

Digital Libraries of Economic-Mathematical Models:
Economic-Mathematical and Information Models..... 13

Scientific Information Resources and Scientometrics

E.M. Ilmenskaya

Scientific digital information resources of MEI RAS
in Socionet and statistics of their using 14

POOR ECONOMY

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Abstract

Subject/topic. The article is devoted to the problems and prerequisites for the growth of the Russian economy in terms of the participation in it of the main economic subjects. **Goals/Objectives.** Based on a study of the current economic situation, external and internal causes of negative trends in the development of the Russian economy are identified and proposals are made to overcome them. **Methodology.** The article used the methods of system and financial analysis, studied the Russian and foreign experience of the exit of the economy from critical situations. **Results.** As a result of the study, a conclusion was drawn on the ineffectiveness of the financial and monetary policy aimed at fulfilling the tasks of each of the main economic entities not connected with the growth of the Russian economy. **Conclusions/Relevance.** It is proved that the current liberal economic model in Russia has led to the destruction of the economic potential and progressive poverty of the population. Stimulating the economy is not concerned about any economic entity invested with power and means. The country's chief banker, the Central Bank of the Russian Federation, is engaged in a permanent struggle against inflation, being, until recently, the largest investor in the American economy. In relation to its own enterprises and investors, the regulator pursues a tight monetary policy, keeping the key rate high. The Ministry of Finance is busy with problems of balance and surplus of the federal budget for the next 3 years, during which the main task will be to achieve and maintain macroeconomic stability, and not economic development. The Ministry of Economic Development is engaged in endless forecasts depending on oil prices. Over the past 20 years, not a single large-scale production facility was built in Russia with state participation. There is still no strategic program for the development of the Russian economy in the near and distant future. The development of the national economy should be based on internal sources. In order for the Russian economy not to be "poor", it is necessary to saturate it with monetary funds, creating favorable conditions and incentives for the effective functioning of all economic actors. **Note.** The findings and research results can be used to develop an alternative economic model based on stimulating economic growth.

Keywords: *inflation, investments, loans, liberal model, finance, regulator, infrastructure, sanctions, banks, assets, forecast*

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Features of non-cash retail settlements in the transition of the banking sector to digital technology

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Abstract

Subject/Topic: The article examines the key non-alternative trends that have emerged in the banking sector with the advent of digital financial instruments. **Goals/Objectives:** To show the prospects for the development of different models of retail settlements in modern conditions. **Methodology:** Analysis and synthesis of theoretical and legal materials on the topic, analysis, comparison and study of the dynamics of calculations within different models, the formation of models of calculations and their analysis. **Results:** The types of retail settlements, the "banking model" and a relatively new blocking technology complementing the electronic money model were investigated, the main trends and prospects were identified, including taking into account the legal regulation of settlements in Russia. **Conclusions/Significance:** Despite the continuous improvement of the national legislation in the field of cashless settlements, so far the blocking technologies allow the creation of independent settlement systems. The problem with the application of this model is the instability of the course of digital financial assets (in particular, this is the type of modern electronic money) created through block-technologies, which creates significant risks for users of such systems. In addition, the non-recognition by the state at the official level of such electronic money can create problems with their withdrawal, transfer to a "banking model" for subsequent use. Obviously, stabilizing the exchange rate, changing the attitude of the state somehow will improve the opportunities, status and liquidity of such money. **Application:** The findings and results of the study can be used to develop a strategy for the development of the national payment system of the Russian Federation, as well as regulatory documents of the Bank of Russia on the regulation of operations with crypto-currencies.

Keywords: *block chain technologies, retail settlements, electronic money, cryptocurrency, bitcoin, bank settlements, non-cash payments, payment technologies*

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Safety of the financial system of Russia in the conditions of the development of the global market of crypto-currencies

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Abstract

Subject / topic. The topic of this article is the impact of cryptocurrency on the security of the Russian financial system. The subject of the research is the security of the Russian financial system in the era of cryptocurrency market development. **Goals/objectives.** The purpose of this article is to study the impact of the expansion of cryptocurrencies on the monetary policy of Central banks and the financial security of banking systems, as well as the formation of recommendations on the prospects of the impact of cryptocurrencies in the national financial system of Russia. **Methodology.** The research methods are general scientific methods of analysis and synthesis, used to understand the functional purpose of cryptocurrencies and determine the direction of their influence on the monetary policy of central banks and the financial security of banking systems; economic and statistical methods for analyzing the dynamics of capitalization, comparing the share of cryptocurrencies in the money supply of the countries of the world; as well as a systematic approach to substantiate the prospects for creating national cryptocurrencies and introducing the blockchain into the practice of organizing the circulation of cryptocurrencies and the functioning of the banking system of Russia. **Results.** The article is devoted to the study of the impact of the cryptocurrency market on the financial system of Russia. The main indicators of the cryptocurrency market development are considered. The tendencies and prospects of development of cryptocurrency. It revealed that the cryptocurrency market, which is now extremely rapidly developing, already has an extensive financial infrastructure, closely interacts with the governments of the leading countries of the world and is able to solve some pressing problems of the modern financial system. **Conclusions / relevance.** The main directions and consequences of the impact of cryptocurrencies on monetary policy and financial security of banking systems are determined, the prospects of blockchain implementation in the practice of cryptocurrency circulation and functioning of banking systems, as well as positive aspects of the creation of national cryptocurrencies substantiated. In conclusion, the proposals on the transformation of the payment system of the country as the most important tool of economic security of Russia are given. **Application.** The findings and results of the study used in the development of the national economic security strategy of the Russian Federation, as well as regulatory documents of the Bank of Russia on combating fraud with cryptocurrencies.

Keywords: *cryptocurrency, monetary policy, financial security, blockchain, transactions, global economy, financial system of Russia.*

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Institutionalization of the crypto-currency regulation system: issues of ensuring the security of the Russian financial system

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Abstract

Subject / topic. The article is devoted to the analysis of the development and regulation of cryptocurrency in the digital economy. **Goals / objectives.** Study of the role of cryptocurrency in the modern world economy, analysis of the main advantages and disadvantages of its use. **Methodology.** The article uses the methods of structural analysis, synthesis, systematization and comparison. In determining the basic concepts, the study of the peculiarities of circulation and the possibility of using new financial instruments and technologies, the methods of comparative and stochastic analysis, generalization, scenario approach in forecasting the development of the cryptocurrency market are used. **Results.** The international experience of cryptocurrency market regulation is studied, including the approaches to determining the legal nature of cryptocurrency in different countries of the world. The peculiarities of cryptocurrency regulation in Russia are noted. **Conclusions / Significance.** The legal status of cryptocurrencies in Russia is still uncertain. It is established that financial regulation of cryptocurrencies in Russia can influence: integrity, efficiency of the market and protection of investors; financial stability and prudential regulation; restriction of illegal activity. **Application.** Organization and conduct of research in the field of instrumental transformation of currency markets, the formation of the main directions of state policy of regulation of cryptocurrencies.

Keywords: *cryptocurrency, Bitcoin, electronic money, cryptocurrency market, digital economy, cryptocurrency regulation system, scientific and technological development*

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The supersystem of the digital economy: functioning and development based on the principle of self-organizing integration

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Abstract

The problems of the formation of a supersystem of the digital economy using the key business model of the joint use of digital assets by economic agents are analyzed on the basis of the convergence of telematic, computing and information services with the final output of a complex of managed digital objects for a new quality of management based on the principle of self-organizing integration. Integration of standardized network infrastructures using cloud principles that involve distributed and remote processing and storage of data on the basis of interaction and consolidation of corporate network environments of different owners (tenants, etc.) of digital assets allows to transform traditional linear hierarchical chains of management transactions into connected, intelligent, scalable, customizable and distributed management networks. The introduction of universal shells of any business processes, starting with the processing of primary data prior to processing in the deep region, using advanced algorithms of multi-agent optimization of the next [after 3G] generation [based on 4G, 5G and further] realized in the framework of electronic micro-, meso- and macro content allows to ensure the stability of the super-system within the limits of the optimal values of the activity of the controlled digital objects due to the increase in the possibilities of observation and control.

The article was prepared within the framework of the state assignment of the Market Economy Institute of RAS, the theme of research "Scientific and technological development of the economy of the industrial markets".

Keywords: *artificial intelligence, digital economy, organizational and economic systems, telematic, computing and information services, self-organizing integration*

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Transformation of budget investments into derivative investment projects as a threat to economic security

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Abstract

Subject/topic. The article deals with investment projects financed within the framework of budget investments. Possible transformations of such projects without taking into account the criterion of cost saving as an indisputable basis for decision-making are investigated. **Goals/objectives.** The aim of the study is to identify new threats to economic security. The tasks include classification of new threats and identification of possible vulnerabilities. **Methodology.** The variants of transformation of budget investments into derivative investment projects depending on the characteristics of the main investment projects are investigated. The principal distinctive properties of derivative investment projects are presented. Results. It is concluded that it is possible to form the initial maximum price of the contract within the framework of the current pricing system and regulatory framework, taking into account all planned income of investors of derivative investment projects. It is shown that the implementation of derivative investment projects is possible in full compliance with the current legislation. **Conclusions/relevance.** Derivative investment projects are essentially part of the shadow economy and pose a serious threat to economic security. Derivative investment projects have caused serious violations of the current legislation, including criminal law, due to the lack of legal framework for the assessment of damage caused to major investment projects, as well as low discipline of performers-subjects of derivative investment projects. **Application.** The threats from derivative investment projects considered in the article can be taken into account by the state Executive and legislative authorities in the development of a set of strategic planning measures aimed at improving the efficiency of budget investments. Assessment of executors' income on major investment projects in the process of formation and implementation of budget investments will reduce the threat of growth of the shadow component.

Keywords: *budget investments, derivative investment projects, shadow economy, threat to economic security*

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The ecological component of food security

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Abstract

The problem of the relationship between ecological security and food security is considered. Analyzed the risks and threats to environmental safety that are directly related to the problem of ensuring food security. It is shown that the overall objectives of economic policy, such as "food security" and "ecological security", to a certain extent, are in conflict. On the other hand, in the absence of environmental safety, the goals of ensuring food security cannot be fully realized. It is concluded that the list of indicators for assessing the presence (or absence) of food security should include indicators reflecting the risks of not achieving the goals set, in particular agroecological risks in the areas of "stability" and "food use". Indicators that are reasonable to include in the list of indicators for assessing food security of the draft Food Safety Doctrine are substantiated and given.

Keywords: *food security, ecological security, risks, threats, Food Security Doctrine, Environmental Security Strategy*

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Foreign experience of ecological-economic regulation and assessment of environmental pollution damage (the example of Europe, USA, Japan)

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Abstract

The review of the existing foreign experience of ecological and economic regulation and assessment of damage from environmental pollution on the example of Europe, the USA and Japan is carried out. The importance of compliance with environmental requirements in the process of economic development is shown. The analysis is necessary to improve the tools of the mechanism of environmental management and protection.

Keywords: *environmental and economic regulation, damage from environmental pollution, foreign experience, assessment, environmental responsibility*

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**Directions of trade and economic cooperation
and integration of the Republic Tajikistan economy
into the Greater Eurasian space**

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Abstract

The article discusses the main directions of organic inclusion of the economy of Tajikistan into the Great Eurasian space by implementing large infrastructure and integration projects in the republic, developing a transport and transit system and modern trade routes passing through Central Asia - the crossroads of world economic relations. It is shown that it is on the territory of Tajikistan that transit nodes for the creation of added value can and should be formed within the framework of the development of innovative and industrial zones of the 21st century trade routes. It is shown that the development of the transport and transit system of Tajikistan fully meets the tasks of intensifying integration processes in the EAEU, ensuring security in the framework of the CSTO, interfacing the infrastructure and integration projects of the EAEU, the Chinese initiative "Poyas and ways" the "North-South" corridor, etc.

Keywords: *transit economy, transport and transit system, trade routes, international transport corridor, innovation-industrial belt, integration, EAEU, railway*

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Digital Libraries of Economic-Mathematical Models: Economic-Mathematical and Information Models

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Abstract

In a number of research organizations that used in its activities the tools of economic and mathematical modeling, as well as in large Federal and sectoral centers, having the situation room, digital libraries of economic and mathematical models or other mathematical models are supported and used. The specification of economic-mathematical and any other mathematical model consists of the formal part described by mathematical language, and informal, defining designations used in its formal part. The article shows that the formal part of the model is a formal conceptual model of the modelled object, and the informal part is nothing other than its informally described ontological model (ontology). Thus, economic-mathematical and other mathematical models are a two-level hierarchy of information models. The information model is one of the key concept in computer science. Information systems for any purpose are based on information models. Also the systems of economic and mathematical modeling are based on such models.

The article is prepared in accordance with the state task for the MEI RAS, the research theme is "Research, development and support of web infrastructure of scientific information resources with open access".

Keywords: *information model, mathematical model, economic-mathematical model, conceptual model, ontological model, ontology, datalogical model, formal language, mathematical language, digital library*

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Scientific digital information resources of MEI RAS in Socionet and statistics of their using

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Abstract

The article describes scientific digital information resources of MEI RAS presented by collections of Socionet system. The system bases on the Open Archive Initiative technology. The demand of the content of these collections by the scientific community is estimated by scientometric service Socionet. The analysis of the statistics given in the article on the demand for publications of the institutes of the Social Sciences Branch testifies to the sustainable leader positions of the MEI RAS over the last five years.

Keywords: *digital library, website, open archive, Socionet, scientometrics, scientific communication, publication demand*

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