

---

# **ECONOMIC SCIENCES**

---

**Nº5 (210)  
2022**

## Editorial Council

**V.V. Artiakov** — Doctor of Economics, Member of Russian Academy of Engineering

**R.S. Grinberg** — Doctor of Economics, Professor, Institute of Economy of Russian Academy of Sciences,

**A.G. Griaznova** — Doctor of Economics, Professor, Honorary President of Financial University under the Government of the Russian Federation

**N.G. Kuznetsov** — Doctor of Economics, Professor, Rostov State University of Economics

**V.N. Ovchinnikov** — Doctor of Economics, Professor, Southern Federal University

**A.A. Porokhovskii** — Doctor of Economics, Professor, Moscow State University named after M.V. Lomonosov

**S.N. Silvestrov** — Doctor of Economics, Professor, Financial University under the Government of the Russian Federation

**A.N. Shokhin** — Doctor of Economics, Professor

**M.A. Eskindarov** — Doctor of Economics, Professor, President of Financial University under the Government of the Russian Federation

The journal is included in the list of the Higher Accreditation Committee of The Ministry of Education and Science of Russia of the leading scientific journals and publications issued in the Russian Federation, where the main scientific results of the scientific theses for the degrees of Doctor and Candidate of Science can be found

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

ISSN 2072–0858

Issue date 31.05.2022

Format 60x84/8

Printed signatures 33.13

500 copies

Printed by "24 Print" Ltd

## Editorial Board

**V.A. Meshcherov** — Doctor of Economics, Professor, Chief Editor of the Journal «Economic Sciences»

**F.F. Sterlikov** — Doctor of Economics, Professor, Moscow State University of Technologies and Management named after K.G. Razumovskiy

**E.V. Zarova** — Doctor of Economics, Professor, Plekhanov Russian University of Economics

**A.E. Karlik** — Doctor of Economics, Professor, St.-Petersburg State University of Economy and Finance

**N.G. Kuznetsov** — Doctor of Economics, Professor, Rostov State University of Economics

**V.N. Ovchinnikov** — Doctor of Economics, Professor, Southern Federal University

**S.N. Silvestrov** — Doctor of Economics, Professor, Financial University under the Government of the Russian Federation

**A.A. Bakulina** — Doctor of Economics, Professor, MGIMO University

**V.A. Savinova** — Doctor of Economics, Professor, Samara State University of Economics

**E.N. Valiyeva** — Doctor of Economics, Professor, Samara State University of Economics

**G.D. Fainshtein** — PhD in Economics, Tallinn University of Technology

**V.A. Piskunov** — Doctor of Economics, Professor, Samara State University of Economics

**A.M. Petrov** — Doctor of Economics, Professor, Financial University under the Government of the Russian Federation

**P.V. Pavlov** — Doctor of Economics, Associate Professor, Southern Federal University

**O.A. Khokhlova** — Doctor of Economics, Professor, East-Siberian University of Technology and Management

**K.N. Ermolaev** — Doctor of Economics, Professor, Samara State University of Economics

**O.E. Ryazanova** — Doctor of Economics, Professor, Head of the Department of Economic Theory, MGIMO University

**N.V. Kuznetsov** — Doctor of Economics, Financial University under the Government of the Russian Federation

**V.S. Osipov** — Doctor of Economics, MGIMO University

## Chief Editor:

**V.A. Meshcherov** — Doctor of Economics, Professor

## CONTENTS

### WORLD ECONOMY

- Goya Bejan** Prospects for strengthening trade and economic ties Afghanistan with Central Asia 258
- Kasan uulu Samagan** The impact of remittances from the Russian Federation on the real incomes of the population in the Kyrgyz Republic ..... 258
- Konina N.Yu.** Strategic aspects of mergers and acquisitions of German chemical TNCs ..... 259
- Secrieru V.** Eastern Partnership: EU relations with the countries of the post-Soviet space in the current conditions of the development of the world economy ..... 260
- Shcherbakova A.M.** The efficiency of US state anti-crisis regulation ..... 260
- Shcherbakova A.M.** The cyclical development of the us economy of the last decade ..... 261

### ECONOMIC THEORY

- Afanaskina E.M.** Approaches to the study of the transformation of labor market institutions: Traditions and modernity ..... 262
- Bekbuzarov S.-M.D.** Actual problems of the social sphere in the modern economy of Russia ..... 262
- Grishina A.K.** System approach to studying the institutional environment of an integration association ..... 263
- Levchenko L.V., Tverdokhlebova T.V.** The influence of intellectual capital on the formation of modern production competencies ..... 264

### ECONOMICS AND MANAGEMENT OF NATIONAL ECONOMY

- Astafieva O.V., Nikitina M.S.** Analysis of mobile applications for residents of a megalopolis leading an active lifestyle ..... 264
- Bisko K.T., Komarov A.G.** The integrative role of technology in the national innovation system 265
- Gataullin M.V.** The state of the Russian oil and gas industry at the current stage of economic development ..... 266
- Davkaraev S.A.** Budgeting and financial planning of private jet operators ..... 266
- Dozhdeva E.E., Kharitonova P.S.** Rating assessment in the diagnosis of financial security of enterprises ..... 266
- Abramov V.I., Lavrentiev I.A., Grepel V.O.** The role of innovations and startups in the development of ecosystems ..... 267
- Zvyagintsev P.S.** State programs as a tool of public administration in the agricultural and industrial sphere in order to ensure food security of the Union State ..... 268
- Kolesnichenko N.K.** Risk management in Russian technology companies ..... 269
- Danilova S.N., Petrova O.Yu., Teislina O.G.** Features of national design in the region ..... 269
- Zhidkova M.I., Pynko L.E.** Modern approaches to teaching statistical disciplines for students of educational institutions of higher education ..... 270
- Ishmuratova C.A., Kalinskaya E.P., Afonina E.D., Aldyrov A.A.** Franchising in Russia and its problems ..... 271

<b>Karlik A.E., Kravchenko K.N.</b> Industrial policy of the Republic of Crimea in the context of the development of high-tech industries .....	271
<b>Kozlov M.L.</b> Nature of external environment in the context of life insurance .....	272
<b>Kosobokov A.Yu., Kranina A.D.</b> Approaches to the formation of a regional innovation policy mechanism in the social sphere .....	272
<b>Mirgorodskaya M.G., Anichkina O.A., Zhukova N.V., Krylova A.P., Tumanov A.M., Arakelyan M.A.</b> Socio-economic aspect of the prospects for the development of food production for groups of people with increased physical activity .....	273
<b>Orel A.A., Zaborovskaya O.V.</b> Support for youth environmental entrepreneurship in the Leningrad region as the basis for achieving the goals of sustainable development of the region .....	274
<b>Ostapenko T.V.</b> Deepening of intersectoral relations as a factor sustainability of the agri-food system .....	274
<b>Poluyanov N.V.</b> Socio-economic development of the Belgorod region in the conditions of spatial development of the Russian Federation .....	275
<b>Prasolov V.I.</b> Analysis of international practice of combating fraud in industrial enterprises .....	275
<b>Rodionov D.G., Alekseev V.A., Terentyeva D.A., Konnikov E.A.</b> Modeling the environmental impact assessment of a nuclear power plant .....	275
<b>Rodionov D.G., Alekseev V.A., Terentyeva D.A., Konnikov E.A.</b> Impact mechanisms of a nuclear power plant on the environment, considering the time factor .....	276
<b>Simakova Z.L.</b> Features of operational management of dynamic multi-type production .....	277
<b>Smirnov A.A.</b> Concept of material resources management in lean production at engineering enterprises .....	277
<b>Taranova I.V., Dalchenko E.A., Dubskaya E.S.</b> The main directions of the formation of the mechanism of socio-environmentally-economically balanced land use at the regional level .....	277
<b>Khalikov A.L., Kasyanova D.R.</b> Intellectual potential as a factor influencing the employment of a graduate .....	279
<b>Khomyakova L.I.</b> Analysis of international experience in ESG projects investing and its global regulation .....	279
<b>Chekhovskikh I.A., Ol E.M., Popazova O.A., Rasskazova O.A., Aleksandrov I.N.</b> Modern features of labor organization in the agro-industrial complex of Russia in the light of digital transformation of the economy .....	280
<b>Chumakova T.N., Garcheva E.V., Ushakov A.E.</b> Organizational-economic and administrative-legal instruments of land use greening at the regional level .....	281

## BOOK KEEPING, STATISTICS

<b>Plotnikova V.V., Stubalin P.V.</b> Regulation of business processes for sales forecasting purposes ..	283
<b>Rozanova T.P., Stytsiuk R.Y.</b> Characteristics of the main problems of tourism statistics .....	283
<b>Rozanova T.P., Stytsyuk R.Y.</b> The multidimensionality of tourism and the problems of modern statistics .....	284
<b>Tolmachev M.N., Loseva A.V.</b> Analysis of business digitalization processes in Russia .....	284

---

<b>Tolmachev M.N., Stubalin P.V.</b> Planning of business process reengineering «marketing and sales management» .....	285
<b>Khasanova F.R.</b> Prospects for introducing a carbon tax in the context of anti-Russian sanctions .....	285

---

## WORLD ECONOMY

### PROSPECTS FOR STRENGTHENING TRADE AND ECONOMIC TIES AFGHANISTAN WITH CENTRAL ASIA

© 2022 **Goya Bejan**

2nd year postgraduate student of the Department of World Economy  
and International Business of the Faculty of International Economic Relations  
Financial University under the Government of the Russian Federation, Moscow, Russia  
E-mail: Bezhangoya@yahoo.com

Afghanistan is going through a difficult period of economic and political transformations, further regional integration, including with the countries of Central Asia, will be an important element of any future development strategy. Over the past decade, Afghanistan has made significant progress in development. For example, per capita income more than tripled from 2003 to 2021, increasing from \$198 to \$978. However, Afghanistan remains one of the poorest countries in the Asia-Pacific region with a wide range of social and economic problems. In addition, the country is currently going through a difficult period of economic and political transformations.

**Keywords:** *Afghanistan, Central Asia, economic relations, trade relations.*

### THE IMPACT OF REMITTANCES FROM THE RUSSIAN FEDERATION ON THE REAL INCOMES OF THE POPULATION IN THE KYRGYZ REPUBLIC

© 2022 **Kasan uulu Samagan**

PhD student of Department of World Economy and International Business  
Financial University under the Government of the Russian Federation, Moscow, Russia  
E-mail: Samagan94@gmail.com

The article analyzes the impact of remittances (money transfers) received from Kyrgyz migrants in the Russian Federation on the real incomes of the population of the Kyrgyz Republic. For the research, the author's model was used, calculated on the basis of a regression analysis of the volume of remittances and the number of migrant workers in Russia.

**Keywords:** *labor migration, socio-economic development of the Kyrgyz Republic, migrant remittances, remittances, movement of labor resources in the EAEU.*

#### References

1. Dilip Ratha, Supriyo De, Eung Ju Kim, Sonia Plaza. Phase II: COVID-19 Crisis through a Migration Lens Migration and Development / World Bank Group. Brief review № 33/ Washington, DC. October 2020, 8–20 c
2. Abramov, V.L. Labor aspects of the development of integration of the EU member states / V.L. Abramov, I.N. Belograd // Economy. Business. Banks. — 2018. — № S4. — C. 104–110. — EDN XPUHJB.
3. Gabrus, A.A. Economic and social consequences of immigration for receiving countries / A.A. Gabrus // Vector Ekonomiki. — 2019. — № 4(34). — C. 40.
4. Abramov, V.L. Theoretical and methodological approaches to the study of Eurasian integration / V.L. Abramov, V.N. Zhivalov // Economist. — 2020. — № 1. — C. 80–96. — EDN CFZIKL.
5. Money transfers of individuals carried out through money transfer systems. Statistics, Money transfers of the National Bank of the Kyrgyz Republic. Available at: <https://www.nbkr.kg/index1.jsp?item=1785&lang=RUS> (Available at: 17.01.2022)
6. Kyrgyzstan in numbers. Statistical completion. Bishkek, 2020. Available at: <http://www.stat.kg/media/publicationarchive/500720d5-e440-4bfd-9e9c-b05c210f5f92.pdf> (accessed: 27.12.2021)

## STRATEGIC ASPECTS OF MERGERS AND ACQUISITIONS OF GERMAN CHEMICAL TNCs

© 2022 **Konina Natalia Yurievna**

Doctor of Economics, Professor, Head of the Department of Management, Marketing and Foreign Economic Activity named after I. N. Gerchikova  
Moscow State Institute of International Relations (University) of the Ministry of Foreign Affairs of the Russian Federation (MGIMO MFA of Russia),  
Moscow, Russia  
E-mail: nkonina777@gmail.com

This article explores the strategic aspects of mergers and acquisitions of German chemical TNCs in modern conditions. The trends in the evolution of chemical TNCs in a dynamic and unstable environment are analyzed. The factors that led to the active use of acquisitions in the implementation of the growth strategies of chemical TNCs are identified. The influence of intra-industry factors is revealed. The characteristic features of the largest transactions implemented by the German chemical TNCs within the framework of the implemented corporate strategies are considered. A trend towards an increase in the average transaction size was revealed. The strategic results of deals on corporate control of German chemical transnational corporations (TNCs) in modern conditions are analyzed.

**Keywords:** *Transnational corporations, TNCs, chemical TNCs, globalization, chemical industry, strategies, strategic development, competitive advantages, mergers and acquisitions, corporate control.*

### References

1. Vladimirova I. G. Sliyaniya i pogloshcheniya // Menedzhment v Rossii i za rubezhom. 2015 — № 1. — S.54
2. Vladimirova I.G., Konina N.YU., Yefremov V. S. Transnatsionalizatsiya mezhdunarodnykh kompaniy: osobennosti i tendentsii. Upravlenets. 2020. T. 11. № 4. S. 70–81.
3. Gokhan, Patrik A. Sliyaniya, pogloshcheniya i restrukturizatsiya kompaniy: per. s angl./ Patrik A. Gokhan. — M.: Al'pina Publisher, 2020. — 214 s.
4. Grishina N., Ivanova YU., Ignatishina YU. Sliyaniya i pogloshcheniya: strategiya, taktika, finansy. — M.: Al'pina Biznes Buks, 2005.-356 s.
5. Kondrat'yev V. B. Otrastli i sektora global'noy ekonomiki: Osobennosti i tendentsii razvitiya. –Moskva: Mezhdunarodnyye otnosheniya, 2015.-448 s.
6. Kondrat'yev V. B. Global'nyye tsepochki stoimosti kak forma transnatsionalizatsii promyshlennosti. Problemy teorii i praktiki upravleniya. 2017. № 6. S. 8–20.
7. Konina N.YU. Evolyutsiya krupneyshikh germanskikh TNK. Sovremennaya Yevropa. 2018. № 2 (81). S. 49–59.
8. Konina N.YU. Cherty sovremennoy geoekonomiki. Mezhdunarodnyye protsessy. 2018. T. 16. № 2 (53). S. 186–196.
9. Kudinova O. N. Khimprom — lider relokatsii. The Chemical Journal. — 2017. — № 3. — S. 50–53.
10. Savchuk S. V. Analiz osnovnykh motivov sliyanii i pogloshcheniy // Menedzhment v Rossii i za rubezhom. — 2010. — № 5.
11. Radygin A., Entov R. Rynok sliyanii i pogloshcheniy: novyye teoreticheskiye podkhody. Ekonomicheskaya politika. 2010. № 5. S. 67–91.
12. Hien T.N., Kenneth Y., Qian S. Motives for Mergers and Acquisitions: Ex-Post Market Evidence from the US // Journal of Business Finance & Accounting. 2012. Vol. 39. № 9–10. P. 1357–1375.
13. Sheen, A., 2020. Do public and private firms behave differently? An examination of investment in the chemical industry. Journal of Financial and Quantitative Analysis, 55(8), pp.2530–2554.
14. Zhou, Y., Synergy, Coordination Costs, and Diversification Choices. Strategic Management Journal, volume 32, issue 6, pp. 624–639, June 2011. <http://onlinelibrary.wiley.com.bibl.proxy.hj.se/doi/10.1002/smj.889/full#bib53>

## EASTERN PARTNERSHIP: EU RELATIONS WITH THE COUNTRIES OF THE POST-SOVIET SPACE IN THE CURRENT CONDITIONS OF THE DEVELOPMENT OF THE WORLD ECONOMY

© 2022 **Secieru Vladislav**

Post-graduate, Department of World Economy and International Business  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: [secieru.vladislav@gmail.com](mailto:secieru.vladislav@gmail.com)

The article deals with the development of integration relations of the European Union (hereinafter – EU) with the countries of the post-Soviet space. Integration processes are modeled on the platform created at the initiative of the EU, the Eastern Partnership (hereinafter – EaP). The aim of this platform is to conclude with post-Soviet countries the agreements on association with the EU, as well as on the formation of a comprehensive free trade area. This paper will examine the institutional framework involved in the implementation of the EaP, the results of the first Roadmap “20 Outcomes by 2020” and a review of the further objectives of the Eastern Partnership.

**Keywords:** *Eastern Partnership, European Union, post-Soviet countries, association agreements, comprehensive free trade area.*

## THE EFFICIENCY OF US STATE ANTI-CRISIS REGULATION

© 2022 **Shcherbakova Alina Mikhailovna**

graduate student  
Moscow State Institute of International Relations (Russian MFA),  
Moscow, Russia  
E-mail: [alina-lina-95@bk.ru](mailto:alina-lina-95@bk.ru)

The economic system of any country regularly goes through cyclical ups and downs, and the state is to mitigate these fluctuations. The purpose of this article is to study the US anti-crisis policy of the last decade (i.e. after 2008), and analyze the decisions made by the Federal Reserve System and the US Department of the Treasury in response to the financial market challenges. In the article, we analyzed thoroughly the consequences of the global economic crisis of 2008 for the US economy and managed to determine the general directions of the US post-crisis development in terms of monetary and fiscal policies. Based on the official data published by the Federal Reserve Bank of St. Louis we studied the immediate actions of the Fed and the US Department of the Treasury in the framework of anti-crisis regulation. The main focus was made on the analysis of the effectiveness of the quantitative easing policy and its main results.

From the study, we can conclude that the extremely liberal approach of the Fed, including the uncontrolled issue of financial instruments across the economy was a tactical and strategic mistake. However, the policy of “quantitative easing”, despite overall criticism, has proved its effectiveness, and therefore was implemented as anti-crisis measure after pandemic.

**Keywords:** *monetary policy, the Fed, economic crisis, business cycle, recession, quantitative easing, public debt, corporate debt, key rate, buyout.*

## THE CYCLICAL DEVELOPMENT OF THE US ECONOMY OF THE LAST DECADE

© 2022 **Shcherbakova Alina Mikhailovna**

aspirant

Moscow State Institute of International Relations of the Ministry of Foreign Affairs of Russia,  
Moscow, Russia

E-mail: alina-lina-95@bk.ru

Economic development is a continuous process, but not a uniform one. The crisis finishes and starts a new round of the economic cycle. The purpose of this article is to study the US business cycle of the last decade (i.e. after 2008). In the article, we analyzed thoroughly the consequences of the global economic crisis of 2008 for the US economy: we considered about the development of the US during and after the crisis, investigated the main causes of the crisis and researched the main macroeconomic indicators.

It was impossible not to cover the US debt problem, namely the problem of public and corporate debt. In this regard, the dynamics of the main indicators was analyzed and contradictions in the US economic policy were highlighted. From the study, we can conclude that the extremely liberal approach of the Fed, including the uncontrolled issue of financial instruments resulted in growing government and corporate debts, which pose a far greater threat to the US economy. The value of the state corporate debt now amounts to about half of the country's annual GDP and, in the event of an unfavorable market situation, can lead to mass business bankruptcy.

**Keywords:** *monetary policy, the Fed, economic crisis, business cycle, recession, quantitative easing, public debt, corporate debt.*

---

## ECONOMIC THEORY

### **APPROACHES TO THE STUDY OF THE TRANSFORMATION OF LABOR MARKET INSTITUTIONS: TRADITIONS AND MODERNITY**

© 2022 **Afanaskina Ekaterina Mikhailovna**  
graduate student of the Department of economic theory  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: ekaterina.afanaskina@yandex.ru

The main economic problem of Russia is low labor productivity, and new technologies and the corresponding reform of labor market institutions are highlighted as ways to solve it. In the conditions of increasing sanctions, access to new technologies is closed, and the main way to solve this problem is the corresponding institutional reform. However, the interest of researchers in the topic of transformation of labor market institutions is not growing. The article shows that the reason for this situation is that the patterns of labor market development underlying traditional approaches to the study of the transformation of labor market institutions are not in the trend of labor quality issues, or do not fully cover it. The article presents the author's approach to the study of institutional dynamics in the labor market, which is based on such a fundamental pattern of the development of labor relations as their commodity exchange transformation ("liberation of labor"). The focus of its attention is precisely on the relevant issues, and especially relevant in the context of sanctions, namely, the study of the transformation of institutions of "new" competencies.

**Keywords:** labor liberation, new competencies, transformation of labor market institutions.

### **ACTUAL PROBLEMS OF THE SOCIAL SPHERE IN THE MODERN ECONOMY OF RUSSIA**

© 2022 **Bekbuzarov Said-Magomed Daudovich**  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: magomed.bekbuzarov@mail.ru

The Constitution of the Russian Federation guarantees the creation of conditions that ensure a decent life and free human development, people's well-being, and the availability of basic material and spiritual goods. That is why ensuring the effective functioning of the mechanisms of the social sphere is an urgent and important task.

The purpose of the study is to identify priority problems of the social sphere in the modern economy of Russia.

The object of the study is economic relations arising in the social sphere.

The subject of the study is economic problems in the social sphere.

The results of this article allow us to conclude that this issue is relevant today and requires study and consideration by researchers.

**Keywords:** economy, social sphere, social development, social sphere economy, social policy, COVID-19 pandemic.

### References

1. The Constitution of the Russian Federation [Electronic resource] (adopted by popular vote on 12.12.1993 with amendments approved during the all-Russian vote on 01.07.2020) // Official Internet portal of legal information. — Access mode: <http://www.pravo.gov.ru> (date of address: 08/21/2020).
2. *Adelseitova E. B.* Socio-economic problems in the field of public administration / E. B. Adelseitova, M. A. Emiralieva // In the collection: Intersectoral research as a basis for the development of scientific thought. Ufa, 2021. pp. 81–82.
3. *Babkin D. A.* Actual problems of social efficiency of the modern economic system / D. A. Babkin // Enterprise strategy in the context of increasing its competitiveness. 2020. No. 9. pp. 246–249.
4. *Gavlovskaya G. V.* Problems and trends in the social sphere of Russia in conditions of sustainable development / G. V. Gavlovskaya, N. O. Pushkareva // Bulletin of the Altai Academy of Economics and Law. 2020. No. 4–1. pp. 19–28.
5. *Gerasimova K. A.* The concept and economic content of social finance / K. A. Gerasimova, A. V. Epifanov // Alley of Science. 2021. Vol. 1. No. 11 (62). pp. 336–340.
6. *Ibragimov A. G.* Social aspects of the development of the Russian economy / A. G. Ibragimov // In the collection: Socio-economic systems in the context of global transformations: problems and prospects of development. Nalchik, 2021. pp. 49–54.
7. *Knyazev D. O.* Problems of state management of the social sphere and ways to solve them / D. O. Knyazev // Innovations. The science. Education. 2021. No. 47. pp. 425–432.
8. *Manzhula T. Yu.* The necessity and essence of state regulation of the economy and social sphere / T. Yu. Manzhula // Actual problems of our time: science and society. 2021. No. 1 (30). pp. 17–22.
9. *Matrenin R. O.* Problems and prospects of social sphere development / R. O. Matrenin, Y. R. Lutfullin // In the collection: Science today: theory and practice. Ufa, 2020. pp. 204–207.
10. *Murtazaev A. I.* Theoretical foundations of the mechanism of management of the social sphere of the economy / A. I. Murtazaev, R. A. Abdullaev // Scientific notes of the Crimean Engineering Pedagogical University. 2021. No. 2 (72). pp. 158–162.
11. *Nugaybekova A. H.* Problems of social sphere development in Russia / A. H. Nugaybekova // In the collection: Management of organizational and economic systems. Under the general editorship of O. V. Pavlov. 2020. pp. 98–102.
12. *Pidgikyan D. S.* Problems and prospects of social sphere development in Russia / D. S. Pidgikyan, A. E. Elisheva // In the collection: Concepts of sustainable development of science in modern conditions. Ufa, 2021. pp. 77–80.
13. *Telyotkin M. S.* Mechanisms of social sphere management / M. S. Telyotkin // Innovations. The science. Education. 2021. No. 43. pp. 1318–1324.
14. *Shavyrina I. V.* Problems of the social sphere and the possibilities of their solution / I. V. Shavyrina, I. A. Demenenko // In the collection: Economic policy and resource potential of the region. Bryansk, 2021. pp. 197–201.

## SYSTEM APPROACH TO STUDYING THE INSTITUTIONAL ENVIRONMENT OF AN INTEGRATION ASSOCIATION

© 2022 **Grishina Anna Konstantinovna**

postgraduate student of the Department of economic theory  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: [joli12591@yandex.ru](mailto:joli12591@yandex.ru)

In the framework of the development of a new direction of economic theory for the study of international economic relations, which phenomena is particularly represented by integration, the method of applying the system paradigm, which complements and synthesizes neoclassical, institutional and evolutionary concepts, is the case of significant interest.

**Keywords:** *system approach, economic system, institutional environment, international economic integration, integration institutions.*

## THE INFLUENCE OF INTELLECTUAL CAPITAL ON THE FORMATION OF MODERN PRODUCTION COMPETENCIES

© 2022 **Levchenko Larisa Vladimirovna**

Candidate of Economic sciences, Associate Professor, Senior Researcher  
Academy for Gifted Children (Nayanova), Samara, Russia

© 2022 **Tverdokhlebova Tatyana Valeryevna**

D. in Economics, Associate Professor at the Institute of Business Process Management  
Siberian Federal University, Krasnoyarsk, Russia  
E-mail: lvls@mail.ru

The paper examines the modern development of intellectual and human potential and capital and its impact on the formation of new human skills and competencies. Attention is paid to a new approach to the educational process, the development of literacy, new supra-professional skills and qualities. A modern statistical study of the educational services market and the labor market is given. Modern trends in the professional activity of a person, in the process of learning and the development of education, as well as in the social, cultural, leisure, spiritual, moral and religious development of modern people, adolescents and youth are investigated. The conclusion is made about the key influence of intellectual development and intellectual capital of a person on the adoption of career guidance decisions, decisions on obtaining additional education, on obtaining new competencies, skills and qualities.

**Keywords:** *intellectual capital, intellectual resources, digitalization, professional competencies, supra-professional skills, soft skills*

---

## ECONOMICS AND MANAGEMENT OF NATIONAL ECONOMY

---

### ANALYSIS OF MOBILE APPLICATIONS FOR RESIDENTS OF A MEGALOPOLIS LEADING AN ACTIVE LIFESTYLE

© 2022 **Astafieva Olga Viktorovna**

Candidate of Economic Sciences, Associate Professor, Associate Professor of the Department of  
Management and Innovation  
Financial University under the Government of the Russian Federation, Moscow, Russia  
E-mail: astafeva86@mail.ru

© 2022 **Nikitina Maria Sergeevna**

student of the faculty “Higher School of Management”  
Financial University under the Government of the Russian Federation, Moscow, Russia

The modern stage of human development is characterized by the increasing growth of the influence of digital technologies on all spheres of human life. Digital technologies in many ways help residents of large cities to conform to a lifestyle of increased employment and multitasking. At the same time, modern people who care about strengthening their health feel the need for a tool that allows them to maintain a balance between an active lifestyle and its recovery, providing physical and psychological comfort and harmony. The purpose of the article is to study the mobile application market and compare current applications existing on the market. The article offers a business idea for the development of a new mobile application for residents of the metropolis who lead an active lifestyle with recommendations on the content of the application and its functions.

**Keywords:** *mobile application, sports and fitness industry, healthy lifestyle, the impact of the pandemic on the fitness application market, digital technologies.*

### References

1. *Astaf'eva O.V., Pukareva E.YU., Pukareva S.YU.* Issledovanie vozmozhnostej razvitiya uslug zdorovogo pitaniya s uchetom potrebitel'skih predpochtenij fitnes-centrov [Analyzing the Development of Healthy Food Services Based on Consumer Preferences of Fitness Center Visitors. Economic Analysis]. *Ekonomicheskij analiz: teoriya i praktika*. 2018. T. 17. № 10 (481). S. 1936–1950.
2. *Valiev SH.Z., Isaeva N. V., Ponikarovskaya A.A.* Osobennosti formirovaniya i razvitiya rynka fitnes-uslug [Features of the formation and development of the fitness services market]. *Vestnik UGNTU. Nauka, obrazovanie, ekonomika. Seriya ekonomika* № 2 (24), 2018. S. 7–14.
3. *Efremova M.V., CHkalova O.V., Boshman T.K.* Analiz rossijskogo rynka fitnes-uslug [Analysis of the Russian market of fitness services]. *Ekonomicheskij analiz: teoriya i praktika*. 2015. № 21 (420), S.25.
4. *Ukolova I. V.* Sociologicheskie aspekty fitnes-dvizheniya v Rossii [Sociological aspects of fitness movement in Russia]. *Vestnik volzhskogo universiteta im. V. N. Tatishcheva*. 2009. № 3. S. 251–261.
5. *Poddubnaya M.N., Varenik A. I.* Marketingovyj analiz rynka zabegov i marafonov v Rossii [Marketing analysis of the races and marathons market in Russia]. *Ekonomika i biznes: teoriya i praktika*. № 5–3 (75), 2021. S. 37–39.
6. *Astaf'eva O.V., Pecherskaya E. P., Tarasova T. M., Vishnyaykov A. V.* Mobile application development taking into account the development of mobile commerce. *European Proceedings of Social and Behavioural Sciences EpSBS*. 2020. Pp. 152–161.

## THE INTEGRATIVE ROLE OF TECHNOLOGY IN THE NATIONAL INNOVATION SYSTEM

© 2022 **Bisko Kasyan Timofeevich**

Senior Lecturer, Department of Management Technologies  
Novgorod State University named after Yaroslav the Wise,  
Novgorod, Russia  
E-mail: [bystim@mail.ru](mailto:bystim@mail.ru)

© 2022 **Komarov Alexander Glebovich**

Candidate of Economic Sciences, Associate Professor of the Department of Economics  
and Management of Enterprises and Industrial Complexes  
St. Petersburg State University of Economics,  
St. Petersburg, Russia  
E-mail: [alex.kovarov64@mail.ru](mailto:alex.kovarov64@mail.ru)

This article attempts to define the integrative role of technologies in the national innovation system. The study was carried out on the basis of studying, scientific approaches to this problem, summarizing the experience of the functioning of innovative technologies, as well as program documents of the state's innovation policy. The analysis revealed the dependence of insufficient efficiency of the innovation NEX and its full innovation cycle on the limited development of technologies of the innovation process.

**Keywords:** *national innovation system, ecosystem approach, collaboration, innovative technologies, full innovation cycle.*

## THE STATE OF THE RUSSIAN OIL AND GAS INDUSTRY AT THE CURRENT STAGE OF ECONOMIC DEVELOPMENT

© 2022 **Gataullin Marcel Venirovich**

applicant

Ufa State Petroleum Technical University,

Ufa, Russia

E-mail: gataullin.gataullin92@yandex.ru

Despite the multidimensional nature of Russian industry, the oil and gas complex is a determining factor in the development of the domestic economy. This fact is due to both significant subsoil, as well as a developed logistics system, which makes it possible to form a competitive price for the sale of main energy carriers. At the same time, these facts determine the presence of an extremely systemic specificity of international interaction, which in turn leads to the transformation of the Russian oil and gas industry in the context of international trade restrictions. The purpose of this study is to identify the key properties of the Russian oil and gas industry and assess its state at the current stage of economic development.

**Keywords:** *oil and gas industry, energy carriers, production technologies, energy generation technologies, oil, gas.*

## BUDGETING AND FINANCIAL PLANNING OF PRIVATE JET OPERATORS

© 2022 **Davkaraev Sultan Arturovich**

Postgraduate Student in Corporate Finance and Corporate Governance

Financial University under the Government of the Russian Federation,

Moscow, Russia

E-mail: sult-good@mail.ru

This paper focuses on the theoretical foundations of budget planning and the financial strategy of the light aircraft operators. The article also covers the process of planning and seeking funding for aircraft in commercial service.

**Keywords:** *light aircraft, budgeting, planning, financial strategy, financing*

## RATING ASSESSMENT IN THE DIAGNOSIS OF FINANCIAL SECURITY OF ENTERPRISES

© 2022 **Dozhdeva Elena Evgenievna**

Candidate of Economic Sciences, Associate Professor

Samara State University of Economics,

Samara, Russia

E mail: dozhdeva69@mail.ru

© 2022 **Kharitonova Polina Sergeevna**

student of the department of “Accounting, analysis and economic security”

Samara State University of Economics,

Samara, Russia

E-mail: kharitonova\_polina\_2000@mail.ru

This article offers the most accurate characteristics of the rating method in diagnosing the financial security of enterprises. These characteristics reveal the process of evaluating quantitative and qualitative indicators, taking into account external and internal factors. The main stages of carrying out the methodology for rating an enterprise have been determined. It is concluded that the main risk that has a negative impact on the modern mechanism for determining the rating of enterprises is the presence of a shadow fund in the economy. In order to reduce the volume of shadow income and increase the rating of enterprises, it is necessary to reform the legislative and regulatory acts in this area.

**Keywords:** *rating score, financial security, diagnostics, bankruptcy, standard, liquidity, solvency, integral indicators, investors.*

## THE ROLE OF INNOVATIONS AND STARTUPS IN THE DEVELOPMENT OF ECOSYSTEMS

© 2022 **Abramov Viktor Ivanovich**

Doctor of Economics, Professor of the Department of Business Project Management,  
Faculty of Business Informatics and Complex Systems Management  
National Research Nuclear University MEPhI, Moscow, Russia  
E-mail: viabramov@mephi.ru

© 2022 **Lavrentiev Ivan Andreevich**

master student  
National Research Nuclear University MEPhI, Moscow, Russia  
E-mail: luvrentiev@gmail.com

© 2022 **Grempele Valery Olegovich**

Bachelor  
Moscow State Institute of International Relations (MGIMO), Moscow, Russia  
E-mail: valeragrempele@gmail.com

The factors of development of successful ecosystems in the conditions of global competition and instability of the economic environment are considered. The need for innovative development and cooperation of ecosystems with startups is shown, which can provide flexibility in the face of ongoing changes and, through the use of data about ecosystem customers, offer new products and services. It is noted that innovations and start-ups can ensure not only the viability and speed of development, but also the accelerated development of ecosystems.

**Keywords:** *startup, innovation, ecosystem, digital platform, digital transformation, digital economy.*

### References

1. Abramov V. I., Borzov A. V., Semenov K. YU. Teoretiko-metodologicheskij analiz modelej cifrovoj zrelosti dlya rossijskih kompanij. // Izvestiya vysshih uchebnyh zavedenij. Seriya «Ekonomika, finansy i upravlenie proizvodstvom». 2021. N04(50). C. 42–51. DOI: 10.6060/ivecofin.2021504.566/.
2. Abramov V. I., Lavrent'ev I. A. Osobennosti razvitiya ekosistem v Rossii. // Materialy III Vserossijskoj (s mezhdunarodnym uchastiem) nauchno-prakt. konf, 2020, S.7–14.
3. Abramov V. I., Lavrent'ev I. A. Rol' startapov v razvitii ekosistem v usloviyah global'noj nestabil'nosti. Sankt-Peterburgskij gosudarstvennyj ekonomicheskij universitet. // 2021. S. 149–154.
4. Klejner G. B., Rybachuk M. A., Karpinskaya V. A. Razvitie ekosistem v finansovom sektore Rossii. // Upravlenec. 2020, T. 11, № 4. S. 2–15.

5. Korolyova K. N., Abramov V. I. Transformaciya kompetencij personala v cifrovoj ekonomike. // Aktual'nye problemy razvitiya rossijskoj ekonomiki i upravleniya. Materialy III Vserossijskoj (s mezhdunarodnym uchastiem) nauchno-prakt. konf.: sbornik statej. Moskva; Berlin: Direkt-Media, 2021. 284 s., S.106–114.
6. Ekonomicheskie sankcii kak sposob stimulirovaniya innovacionnoj aktivnosti organizacij / E. L. Bogdanova, V. I. Abramov, A. K. Titov, D. M. Kucheryavenko // Ekonomika i predprinimatel'stvo. 2015. — № 8–1(61). — S. 667–671.
7. Ekosistemy: podhody k regulirovaniyu. Bank Rossii // Internet-izdanie «Central'nyj bank Rossii», 2021, s. 45. URL: [https://cbr.ru/Content/Document/File/119960/Consultation\\_Paper\\_02042021.pdf](https://cbr.ru/Content/Document/File/119960/Consultation_Paper_02042021.pdf). (data obrashcheniya: 21.04.2022).
8. Finelli L.A., Narasimhan V. Leading a Digital Transformation in the Pharmaceutical Industry: Reimagining the Way We Work in Global Drug Development. // Clinical pharmacology & therapeutics. 2021. Vol. 108 N. 4. P. 756–761.
9. Ganapathy V., Sambal A., Forbath T. The future of retail is closer than you think. // Retail technology vision 2019, 2019, pp. 22. URL: [https://www.accenture.com/\\_acnmedia/pdf-105/accenture-retail-technology-vision-2019.pdf](https://www.accenture.com/_acnmedia/pdf-105/accenture-retail-technology-vision-2019.pdf). (data obrashcheniya: 21.04.2022).
10. Global Startup Ecosystem Report 2019. Startup Genome: 2019. URL: <https://startupgenome.com/reports/global-startup-ecosystem-report-2019>. (data obrashcheniya: 21.04.2022).
11. Grabmeier S. BANI versus VUCA: a new acronym to describe the world / Blog. Grabmeier S. 2020. URL: <https://stephangrabmeier.de/bani-vs-vuca> (data obrashcheniya: 21.02.2022).
12. Jacobides MG, Nikolaus Lang, Konrad von Szczepanski What Does a Successful Digital Ecosystem Look Like // BCG, 2019. URL: <https://www.bcg.com/publications/2019/what-does-successful-digital-ecosystem-look-like>. (data obrashcheniya: 27.04.2022).
13. Keil T., McGrath R.G., Tukiainen, T. Gems from the ashes: Capability creation and transformation in internal corporate venturing. Organization Science // 2009. 20(3), pp. 601–620.
14. Lee M., Lee J. Super organic enterprise. // Seoul, Korea: Gimm-Young Publishers, Inc., 2010
15. Slavik, S., Hanak, R., & Misunova Hudakova, I. Natural and Generic Strategies of Start-ups and their Efficiency. // Journal of Competitiveness. 2020, no. 12(2), pp. 125–148.

## STATE PROGRAMS AS A TOOL OF PUBLIC ADMINISTRATION IN THE AGRICULTURAL AND INDUSTRIAL SPHERE IN ORDER TO ENSURE FOOD SECURITY OF THE UNION STATE

© 2022 Zvyagintsev Petr Semyonovich

Candidate of Economic Sciences, Leading Researcher  
Institute of Economics of the Russian Academy of Sciences,  
Moscow, Russia  
E-mail: petrz@bk.ru

The article examines the state programs of the Russian Federation as an institutional aspect of public administration on the example of the state program “Development of agriculture and regulation of agricultural products, raw materials and food markets until 2030”.

The article analyzes the agricultural machinery fleet in Russia, which is characterized by a large under-equipment and a significant degree of wear. If agriculture is not further provided with machinery, in particular tractors, then we may lose the cultivated hectares, and today there are 38.9 million hectares of unused sown land in Russia.

The conclusion is substantiated that it is necessary to organize branch research institutes, focus efforts on increasing the output of existing agricultural machinery, including using the production capacities of Belarus, to carry out import substitution not only by copying foreign equipment, but also by creating new domestic equipment that is not inferior in quality to foreign.

**Keywords:** state programs, management, food security, agricultural machinery, sanctions, import substitution.

## References

1. Zvyagintsev P. S. Program-target approach to investment of innovative development and import substitution in Russia: Scientific report. — M: Institute of Economics of the Russian Academy of Sciences, 2016. 49 p.
2. Zvyagintsev P. S. The role of state programs in modernization, innovative and technological development and import substitution of the Russian economy. “Russia: Trends and Prospects of Development”, Moscow: INION RAS, 2017. Issue 12. Part 2. — 591–596 p.
3. Zvyagintsev P. S. The Russian-Belarusian program “Innovative development of potato and Jerusalem artichoke production” is a driver of innovative development and import substitution in Russia. // Economics and Entrepreneurship 2016. No. 10 (part 2), pp. 1054–1059.
4. Russia in numbers. A brief statistical collection. Official publication. M. Ros-stat. 2007, 2019, 2021 r.

## RISK MANAGEMENT IN RUSSIAN TECHNOLOGY COMPANIES

© 2022 **Kolesnichenko Nikita Konstantinovich**

graduate student

Financial University under the Government of the Russian Federation,  
Moscow, Russia

E-mail: Kolesnichenko-n@mail.ru

Modern conditions of economic management associated with a dynamically changing environment, growing globalization, the emergence of new markets, the difficult economic and geopolitical situation in Russia, the strengthening and emergence of new breakthrough technologies, changes in consumer behavior and social demand of society require rapid identification of risks and their management by industrial companies.

The introduction of a risk management system contributes to the achievement of strategic and operational goals and management efficiency by technology companies and can become a pricing tool both in the short and long term.

The article analyzes the practice of implementing risk management in Russian technology companies, identifies the main objectives of implementing risk management systems in digital companies, and features of organizational risk management structures.

**Keywords:** *risk management, digitalization, technology companies, Western sanctions*

## FEATURES OF NATIONAL DESIGN IN THE REGION

© 2022 **Danilova Svetlana Nikolaevna**

Candidate of Economic Sciences, Associate Professor of the Department  
of State Legal Regulation of Economics and Personnel Policy

Yuri Gagarin State Technical university of Saratov,  
Saratov, Russia

E-mail: dcn190277@yandex.ru

© 2022 **Petrova Olga Yurievna**

Candidate of Economic Sciences, Associate Professor of the Department  
of State Legal Regulation of Economics and Personnel Policy

Yuri Gagarin State Technical university of Saratov,  
Saratov, Russia

E-mail: o.y.kozlova@mail.ru

© 2022 **Teislina Oksana Gennadievna**

Candidate of Economic Sciences, Associate Professor of the Department  
of State Legal Regulation of Economics and Personnel Policy  
Yuri Gagarin State Technical University of Saratov,  
Saratov, Russia  
E-mail: teislina@mail.ru

National design can be considered as an important platform for the implementation of strategic planning goals aimed at the development of priority areas of public relations. To date, the actualization of the program-target method of state regulation is due to the need to equalize the levels of socio-economic development of regions, creating prerequisites for increasing the stability of the economy of the subjects of the Russian Federation.

**Keywords:** *national design, strategic planning, socio-economic development strategy.*

## **MODERN APPROACHES TO TEACHING STATISTICAL DISCIPLINES FOR STUDENTS OF EDUCATIONAL INSTITUTIONS OF HIGHER EDUCATION**

© 2022 **Zhidkova Marina Isakovna**

Far Eastern Institute of Management, branch of the Russian Academy of National Economy and Public Administration under the President of the Russian Federation (hereinafter referred to as RANEPa),  
Khabarovsk, Russia

© 2022 **Pynko Luciena Evgenievna**

Far Eastern Institute of Management, branch of the Russian Academy of National Economy and Public Administration under the President of the Russian Federation (hereinafter referred to as RANEPa),  
Khabarovsk, Russia

A selective analysis of modern educational literature on the discipline “Legal Statistics”, the content of the work programs of statistical disciplines in the field of study 40.03.01 Jurisprudence shows that the thematic sections of legal statistics taught in modern educational institutions of higher education do not contain or cover econometric approaches in the analysis of statistical data significant for the legal sphere. Regression analysis and probabilistic methods for estimating the intervals of change of individual statistical indicators in the legal sphere are not studied deeply enough. The educational and methodological literature on legal statistics almost does not demonstrate the possibility of using specialized statistical packages designed for statistical analysis and data processing, such as STATISTICA (Data Mining), SPSS, Stata, EViews, Gretl, etc., which are dynamically developing and applied in economic research. Thus, it can be stated that in terms of information, in terms of the use of digital devices and software environments for collecting and processing statistical data, today in Russian education there is a gap between the teaching of economic and legal statistics in the methodological and information support of these disciplines: econometric analysis is integrated into economic statistics deeply and significantly facilitates data processing and modeling of economic indicators, this is poorly reflected in legal statistics, which slows down the assessment of existing individual legal norms in terms of their relevance and applicability in practice.

**Keywords:** *statistical methods, digitalization, competence-based approach, information resources, econometric analysis, legal statistics*

## FRANCHISING IN RUSSIA AND ITS PROBLEMS

© 2022 **Ishmuratova Camilla Antuanovna**

Bachelor

Kazan (Privolzhsky) Federal University, Kazan, Russia

E-mail: Ischmuratik35kam.35@yandex.ru

© 2022 **Kalinskaya Ekaterina Pavlovna**

Bachelor

Kazan (Privolzhsky) Federal University, Kazan, Russia

E-mail: kalinskaya-2000@mail.ru

© 2022 **Afonina Elizaveta Dmitrievna**

Bachelor

Kazan (Privolzhsky) Federal University, Kazan, Russia

E-mail: afonina.liza@yandex.ru

© 2022 **Aldyrov Artyom Anatolievich**

Bachelor

Kazan (Privolzhsky) Federal University, Kazan, Russia

E-mail: iartem975@mail.com

Today, franchising is one of the most profitable forms of doing business, both in Russia and abroad. He effectively builds a small business and helps in its expansion on an international scale. Franchising has many characteristics that distinguish it from other types of business. However, the franchise has not yet received sufficient distribution in the Russian Federation, as there are many factors that hinder its large-scale development. The status of the franchise for 2021 in Russia was considered.

**Keywords:** *economics, audit, personnel management, franchises, finances, franchising, management.*

## INDUSTRIAL POLICY OF THE REPUBLIC OF CRIMEA IN THE CONTEXT OF THE DEVELOPMENT OF HIGH-TECH INDUSTRIES

© 2022 **Karlik Alexander Evseevich**

Doctor of Economics, Professor, Head of the Department of Economics and Management of Enterprises and Industrial Complexes

St. Petersburg State University of Economics, St. Petersburg, Russia

E-mail: Karlik1@mail.ru

© 2022 **Kravchenko Ksenia Nikolaevna**

postgraduate student of the Department of Economics and Management of Enterprises and Industrial Complexes

St. Petersburg State University of Economics, St. Petersburg, Russia

E-mail: kravchenko@horizon.ru

The article deals with the formation of the industrial policy of the Republic of Crimea in the context of the development of traditional industries (shipbuilding, ship repair, marine engineering and instrumentation) and the creation of a complex of high-tech industries on the territory of the special economic zone.

**Keywords:** Republic of Crimea, shipbuilding, high-tech industries, Special Economic Zone.

## NATURE OF EXTERNAL ENVIRONMENT IN THE CONTEXT OF LIFE INSURANCE

© 2022 **Kozlov Mikhail Leonidovich**

postgraduate student of the department of banks, financial markets and insurance  
St. Petersburg State University of Economics,  
St. Petersburg, Russia  
E-mail: mikhail.kozlov@sberins.ru

The nature of risk in the context of the main types of insurance varies greatly. At the same time, this variation largely affects the external environment. One of the most controversial is the nature of the external environment in the context of life insurance. The key indicator of transformation in this case can be the average life expectancy. The purpose of this study is to quantify and analyze the influence of the external environment on the value of the average life expectancy of the population of Russia. The object of analysis in this case is the statistical data on the average life expectancy of the population of Russia and the statistical data of the quantifiers of the external environment.

**Keywords:** *life insurance, average life expectancy, regression analysis, external environment.*

## APPROACHES TO THE FORMATION OF A REGIONAL INNOVATION POLICY MECHANISM IN THE SOCIAL SPHERE

© 2022 **Kosobokov Andrei Yuryevich**

honorary degree candidate, Higher School of Engineering and Economics  
Peter the Great St. Petersburg Polytechnic University (SPbPU),  
St. Petersburg, Russia  
E-mail: au.kosobokov@mail.ru

© 2022 **Kranina Anna Dmitrievna**

engineer Faculty of Technology Management and Innovation  
Saint-Petersburg National Research University of Information Technologies, Mechanics and Optics,  
St. Petersburg, Russia  
E-mail: annakranina@gmail.com

The main elements of the mechanism of regional innovation policy in the social sphere are forecasting of innovations in the social sphere, development and implementation of innovation programs, control, organization, adjustment and evaluation. It is quite obvious that methods and tools of regional innovation policy in the social sphere need to be expanded, since at present it cannot be implemented without taking market principles into account. Only if this condition is observed, the processes of implementing innovations in the social sphere will have a high need not only to develop and finance innovations through the use of state institutions and budgetary funds, but also to actively involve non-state entities of various organizational and legal forms in this traditionally public activity and introduce not only co-financing mechanisms, but also investment. All of the above determines the relevance of this study.

**Keywords:** *social sphere, innovation, innovation policy, mechanism.*

## **SOCIO-ECONOMIC ASPECT OF THE PROSPECTS FOR THE DEVELOPMENT OF FOOD PRODUCTION FOR GROUPS OF PEOPLE WITH INCREASED PHYSICAL ACTIVITY**

© 2022 **Mirgorodskaya Marina Gennadievna**

Candidate of Economic Sciences, Associate Professor, Head of the Department of Finance, Accounting and Economic Security  
Moscow State University of Technology and Management K. G. Razumovsky (First Cossack University),  
Moscow, Russia  
E-mail: mgm2502@mail.ru

© 2022 **Anichkina Olga Alexandrovna**

Candidate of Economic Sciences, Associate Professor of the Department of Finance, Accounting and Economic Security  
Moscow State University of Technology and Management K. G. Razumovsky (First Cossack University),  
Moscow, Russia  
E-mail: F-1980@yandex.ru

© 2022 **Zhukova Natalya Viktorovna**

Candidate of Economic Sciences, Associate Professor of the Department of Finance, Accounting and Economic Security  
Moscow State University of Technology and Management K. G. Razumovsky (First Cossack University),  
Moscow, Russia  
E-mail: n.zhukova@mgutm.ru

© 2022 **Krylova Alexandra Pavlovna**

Master's student of the Department of Finance, Accounting and Economic Security  
Moscow State University of Technology and Management K. G. Razumovsky (First Cossack University),  
Moscow, Russia  
E-mail: krilowa.sascha@yandex.ru

© 2022 **Tumanov Alexey Mikhailovich**

Master's student of the Department of Finance, Accounting and Economic Security  
Moscow State University of Technology and Management K. G. Razumovsky (First Cossack University),  
Moscow, Russia  
E-mail: Ltumanov98@mail.ru

© 2022 **Arakelyan Mkrtich Arakelovich**

master student of the Department of Management, State and Municipal Administration  
Moscow State University of Technology and Management K. G. Razumovsky (First Cossack University),  
Moscow, Russia  
E-mail: ama-stroy@mail.ru

This article discusses the possibility of increasing the nutritional value and functionality of biscuits, as one of the components of pocket rations. The purpose of the work is to analyze the significance of creating a new product in the form of a biscuit mixture and offer enterprises to expand their assortment and increase profits due to this. At the moment, the problem in studying this issue lies in the fact that in the conditions of instability of the geopolitical situation and the weakening of the country's economy, with the help of sanctions at this point in time, there is a scarce amount of diverse and affordable assortment in the middle price segment, high-protein products for people with increased physical exertion on the domestic Russian market. The developed recipe of "Biscuits from a multicomponent mixture" with a full-fledged protein in the composition will allow you to quickly restore the energy consumption of highly active people from a technological point of view and solve one of the problems of a socio-economic nature with a difficult situation for our country.

**Keywords:** *socio-economic character, aspect, production, consumption, functional products, new products, demand, competitiveness.*

## **SUPPORT FOR YOUTH ENVIRONMENTAL ENTREPRENEURSHIP IN THE LENINGRAD REGION AS THE BASIS FOR ACHIEVING THE GOALS OF SUSTAINABLE DEVELOPMENT OF THE REGION**

© 2022 **Orel Alexander Alexandrovich**

Postgraduate Student, Department of Management of Social and Economic Processes  
State Institute of Economics, Finance, Law and Technology,  
Gatchina, Russia  
E-mail: orel-aleksander@mail.ru

© 2022 **Zaborovskaya Olga Vitalievna**

Head of the Department of Management of Social and Economic Processes  
State Institute of Economics, Finance, Law and Technology,  
Gatchina, Russia  
E-mail: ozabor@mail.ru

The article is devoted to the issues of supporting youth entrepreneurship in the field of environmentally-oriented business as the basis for achieving the goals of sustainable socio-economic development. The main problems faced by young entrepreneurs are systematized. To solve financial problems, it was proposed to simplify access to financing for youth commercial environmental projects. To solve problems of a non-financial nature, it is proposed to implement an accelerator of youth eco-projects in the Leningrad region, which would become a platform for improving business competencies among young people.

*Keywords: small and medium business, environmental entrepreneurship, youth entrepreneurship, sustainable socio-economic development of the region, "green" economy.*

## **DEEPENING OF INTERSECTORAL RELATIONS AS A FACTOR SUSTAINABILITY OF THE AGRI-FOOD SYSTEM**

© 2022 **Ostapenko Tatyana Viktorovna**

Candidate of Economic Sciences, Senior Researcher  
Institute of Agrarian Problems of the Russian Academy of Sciences,  
Saratov, Russia  
E-mail: tanya\_ostapenko\_76@mail.ru

The article deals with the problem of deepening intersectoral ties as a factor of sustainability of the agro-food system of Russia in the face of new challenges and restrictions. The features of the development of intersectoral relations in the food chains of the agro-food system are investigated. The features of concentration are identified and the factors that contribute to the growth of consolidation in certain segments of product chains are determined. On the basis of the input-output method, structural changes in the dynamics of intersectoral relations in the branches of the agro-food system are estimated. The necessity of import substitution as a necessary condition for the sustainable development of the agro-food system is substantiated. It is concluded that sanctions carry not only threats and risks, but also open up new opportunities for the development of the agro-food system associated with its competitive advantages.

*Keywords: agri-food system, sustainability, intersectoral relations, intersectoral proportions, intersectoral balance, food chains, integration, agricultural holdings, import substitution, sanctions*

## **SOCIO-ECONOMIC DEVELOPMENT OF THE BELGOROD REGION IN THE CONDITIONS OF SPATIAL DEVELOPMENT OF THE RUSSIAN FEDERATION**

© 2022 **Poluyanovа Natalia Vladimirovna**

Candidate of Economic Sciences, Associate Professor, Department of Applied  
Economics and Economic Security  
Belgorod State Research University,  
Belgorod, Russia  
E-mail: nvp-nir@yandex.ru

The Spatial Development Strategy of the Russian Federation is a strategic planning document developed within the framework of goal-setting based on the territorial principle. Global trends in spatial development are the concentration of population and economy in the largest forms of settlement, among which the largest urban agglomerations occupy leading positions. The article discusses the main characteristics and trends of the socio-economic situation of the Belgorod agglomeration. The goals, objectives and key priorities that will be taken into account when developing a strategy for the socio-economic development of the Belgorod region are presented.

**Keywords:** *Belgorod region, Russian Federation, urban agglomerations, socio-economic development of the region, spatial development, strategy.*

## **ANALYSIS OF INTERNATIONAL PRACTICE OF COMBATING FRAUD IN INDUSTRIAL ENTERPRISES**

© 2022 **Prasolov Valery Ivanovich**

PhD in Political Science, Associate Professor of the Department  
of Economic Security and Risk Analysis  
Financial University under the Government of the Russian Federation,  
Russia, Moscow

The article considers the specifics of fraud at industrial enterprises, the analysis of the dynamics of fraud cases committed in the world, as well as ways to counter it in the practical activities of companies. The relevance of the study is determined by the steady growth of this type of illegal activity at enterprises. The methods proposed by the author to minimize damage because of the implementation of the main fraud schemes can be used in the field of economic activity under study.

**Keywords:** *fraud, industrial enterprises, production processes, risks, economic security.*

## **MODELING THE ENVIRONMENTAL IMPACT ASSESSMENT OF A NUCLEAR POWER PLANT**

© 2022 **Rodionov Dmitry Grigorievich**

Doctor of Economics, Professor of the Higher School of Engineering and Economics  
Peter the Great St. Petersburg Polytechnic University (SPbPU), St. Petersburg, Russia  
E-mail: dmitry.rodionov@spbstu.ru

© 2022 **Alekseev Vladimir Alekseevich**

postgraduate student of the Higher School of Engineering and Economics  
Peter the Great St. Petersburg Polytechnic University (SPbPU), St. Petersburg, Russia  
E-mail: alexvalex94@gmail.com

© 2022 **Terentyeva Daria Andreevna**

master student

St. Petersburg State University (SPbSU), St. Petersburg, Russia

E-mail: dulybina@mail.ru

© 2022 **Konnikov Evgeny Alexandrovich**

Candidate of Economic Sciences, Associate Professor of the Higher School of Engineering and Economics

Peter the Great St. Petersburg Polytechnic University (SPbPU), St. Petersburg, Russia

E-mail: konnikov.evgeniy@gmail.com

One of the most efficient and widespread areas of energy generation is nuclear energy. At the same time, the potential damage to the environment from a nuclear power plant is much less obvious than from the use of hydrocarbon energy sources. As a result, this potential damage is significantly neglected, which in turn can lead to significant environmental consequences in the long term. Earlier, within the framework of the article “Mechanisms of the impact of a nuclear power plant on the environment, taking into account the time factor”, a system of indicators of the impact of a nuclear power plant on the environment was formed. Within the framework of this study, the proposed system of indicators is aggregated into a complex mathematical toolkit based on the principles of fuzzy logic.

**Keywords:** nuclear power plant, nuclear energy, ecology, environment, sustainable development, fuzzy logic, emissions.

## **IMPACT MECHANISMS OF A NUCLEAR POWER PLANT ON THE ENVIRONMENT, CONSIDERING THE TIME FACTOR**

© 2022 **Rodionov Dmitry Grigorievich**

Doctor of Economics, Professor of the Higher School of Engineering and Economics

Peter the Great St. Petersburg Polytechnic University (SPbPU), St. Petersburg, Russia

E-mail: dmitry.rodionov@spbstu.ru

© 2022 **Alekseev Vladimir Alekseevich**

postgraduate student of the Higher School of Engineering and Economics

Peter the Great St. Petersburg Polytechnic University (SPbPU), St. Petersburg, Russia

E-mail: alexvalex94@gmail.com

© 2022 **Terentyeva Daria Andreevna**

master student

St. Petersburg State University (SPbSU), St. Petersburg, Russia

E-mail: dulybina@mail.ru

© 2022 **Konnikov Evgeny Alexandrovich**

Candidate of Economic Sciences, Associate Professor of the Higher School of Engineering and Economics

Peter the Great St. Petersburg Polytechnic University (SPbPU), St. Petersburg, Russia

E-mail: konnikov.evgeniy@gmail.com

The exponential growth in energy demand is a consequence of current trends in globalization and digitalization. One of the most efficient and widespread areas of energy generation is nuclear energy. At the same time, the potential damage to the environment from a nuclear power plant is much less obvious than from the use of hydrocarbon energy sources. As a result, this potential damage is significantly neglected, which in turn can lead to significant environmental consequences in the long term. Within the framework of this study, a universal toolkit is proposed for predictive assessment of the impact of nuclear power plants on the environment, based on the principles of fuzzy logic.

**Keywords:** nuclear power plant, nuclear energy, ecology, environment, sustainable development, fuzzy logic, emissions.

## FEATURES OF OPERATIONAL MANAGEMENT OF DYNAMIC MULTI-TYPE PRODUCTION

© 2022 **Simakova Zoya Leonidovna**

senior lecturer at the Graduate School of Production Management

St. Petersburg Polytechnic University,

St. Petersburg, Russia

E-mail: [simakova@kafedrapik.ru](mailto:simakova@kafedrapik.ru)

Management of enterprises of the machine-building complex requires special efforts due to the diversity of production and the great dynamism of changes in demand and resource requirements. In this article, the main characteristics of machine-building enterprises affecting the organization of the production process are formulated and performance evaluation indicators are proposed.

**Keywords:** *mechanical engineering, operational management, production plan, material resources, efficiency assessment*

## CONCEPT OF MATERIAL RESOURCES MANAGEMENT IN LEAN PRODUCTION AT ENGINEERING ENTERPRISES

© 2022 **Smirnov Artyom Alekseevich**

Senior Lecturer, Department of Economics and Finance

Vologda State University,

Vologda, Russia

E-mail: [smirnov.artem.a@yandex.ru](mailto:smirnov.artem.a@yandex.ru)

The paper proposes the concept of research of the issues of material resources management in the process of their cutting at engineering enterprises. Based on the research of the theory and practice of engineering technologies in the field of cutting-packing tasks, lean production and management accounting the toolkit of management of material resources obtained after cutting has been developed.

**Keywords:** *lean production, material resource management, engineering enterprise, cutting, sorting method*

## THE MAIN DIRECTIONS OF THE FORMATION OF THE MECHANISM OF SOCIO-ENVIRONMENTALLY-ECONOMICALLY BALANCED LAND USE AT THE REGIONAL LEVEL

© 2022 **Taranova Irina Viktorovna**

Doctor of Economics, Professor of the Russian State Social University

State University for Land Management,

Moscow, Russia

E-mail: [taranovairina@yandex.ru](mailto:taranovairina@yandex.ru)

© 2022 **Dalchenko Elena Alexandrovna**

Candidate of Economic Sciences, Associate Professor of the Novocherkassk

Engineering and Reclamation Institute — Branch

Don State Agrarian University,

Novocherkassk, Rostov Region, Russia

E-mail: [elena.dalchenko@mail.ru](mailto:elena.dalchenko@mail.ru)

© 2022 Dubskaya Elena Sergeevna

Senior Lecturer

Southern Federal University,

Russia, Rostov-on-Don

E-mail: dubskaya@sfnedu.ru

The article discusses the dynamics and structure of the area of land resources of the Rostov region by category of use for the period 2016–2020, analyzes the current regional legal documents aimed at intensifying the use of land resources by agricultural producers, substantiates the directions for the formation of a socio-environmental and economically balanced mechanism land use at the mesoeconomic level. The results of the study can be used by local governments and state authorities of the constituent entities of the Russian Federation in the implementation of regulation of the activities of economic entities of the agro-industrial complex and the management of agricultural production, as well as investors planning investments in these areas of activity.

**Keywords:** region, agriculture, nature management, agro-industrial complex, land resources, efficiency, dynamics, socio-ecological and economic situation.

### References

1. *Ivanov N. I.* K voprosu o razrabotke tipovogo resheniya po sel'sko-hozyajstvennomu ispol'zovaniyu produktivnyh zemel' Moskovskoj oblasti / *Ivanov N. I., Gorbunov V. S., Shevchenko T. V.* // *Zemleustrojstvo, kadastr i monitoring zemel'*. 2020. № 11(190). S. 28–36.
2. Postanovlenie Pravitel'stva Rostovskoj oblasti № 377 ot 25 maya 2017 g. «O poryadke predostavleniya subsidij sel'skohozyajstvennym tovaroproizvoditelyam (krome grazhdan, vedushchih lichnoe podsobnoe hozyajstvo) na vozmeshchenie chasti zatrat na tekushchij remont i planirovku orositelnyh sistem, raschistku kollektorno-drenazhnoj seti, priobretenie i do-stavku fosfogipsa, priobretenie gerbicidov, lenty kapel'nogo oroshe-niya, neobhodimogo oborudovaniya i specializirovannoj tekhniki dlya uda-leniya sornoj rastitel'nosti na meliorativnyh kanalakh (s izmeneniyami na 1 fevralya 2019 goda)»
3. Postanovlenie Pravitel'stva Rostovskoj oblasti № 277 ot 12 apre-lya 2012 g. «O poryadke predostavleniya subsidij sel'skohozyajstvennym tovaroproizvoditelyam (krome grazhdan, vedushchih lichnoe podsobnoe hozyajstvo) na vozmeshchenie chasti zatrat na oplatu uslug po podache vody dlya orosheniya i zatrat na oplatu elektroenergii, potrebyaemoj vnutrihozyaj-stvennymi nasosnymi stanciyami pri podache vody dlya orosheniya sel'sko-hozyajstvennyh kul'tur»
4. Postanovlenie Pravitel'stva Rostovskoj oblasti № 107 ot 16 fev-ralya 2017 «O poryadke predostavleniya subsidij sel'skohozyajstvennym tovaroproizvoditelyam (krome grazhdan, vedushchih lichnoe podsobnoe hozyaj-stvo) na realizaciyu meropriyatij v oblasti melioracii zemel' sel'sko-hozyajstvennogo naznacheniya»
5. *Revunov R. V.* Napravleniya povysheniya effektivnosti sel'skogo ho-zyajstva Rostovskoj oblasti / *Revunov R. V., Revunov S. V., Sheremet'ev P. G., Chernyshova T. N.* // *Moskovskij ekonomicheskij zhurnal*. 2021. № 6.
6. *Taranova I. V.* Ekonomika Rostovskoj oblasti v regional'nyh so-postavleniyah Yuga Rossii / *Taranova I. V., Kasaeva T. V., Ogan'yan A. G., CHernov M. V.* // *Moskovskij ekonomicheskij zhurnal*. 2021. № 11.
7. *Ekologicheskij vestnik Dona* «O sostoyanii okruzhayushchej sredy i prirodnyh resursov Rostovskoj oblasti v 2020 godu» [https://minprirodyro.rf/projects/19/?filter\\_d\\_level=2](https://minprirodyro.rf/projects/19/?filter_d_level=2) data obrashcheniya 2 maya 2022 g.
8. *Ekologicheskij vestnik Dona* «O sostoyanii okruzhayushchej sredy i prirodnyh resursov Rostovskoj oblasti v 2019 godu» [https://minprirodyro.rf/projects/19/?filter\\_d\\_level=2](https://minprirodyro.rf/projects/19/?filter_d_level=2) data obrashcheniya 2 maya 2022 g.
9. *Ekologicheskij vestnik Dona* «O sostoyanii okruzhayushchej sredy i prirodnyh resursov Rostovskoj oblasti v 2018 godu» [https://minprirodyro.rf/projects/19/?filter\\_d\\_level=2](https://minprirodyro.rf/projects/19/?filter_d_level=2) data obrashcheniya 2 maya 2022 g.
10. *Ekologicheskij vestnik Dona* «O sostoyanii okruzhayushchej sredy i prirodnyh resursov Rostovskoj oblasti v 2017 godu» [https://minprirodyro.rf/projects/19/?filter\\_d\\_level=2](https://minprirodyro.rf/projects/19/?filter_d_level=2) data obrashcheniya 2 maya 2022 g.
11. *Ekologicheskij vestnik Dona* «O sostoyanii okruzhayushchej sredy i prirodnyh resursov Rostovskoj oblasti v 2016 godu» [https://minprirodyro.rf/projects/19/?filter\\_d\\_level=2](https://minprirodyro.rf/projects/19/?filter_d_level=2) data obrashcheniya 2 maya 2022 g.

12. Podkolzina I. M. Building a financial security system to ensure Russia's food security / Podkolzina I. M., Gladilin A. V., Reshetov K. Yu., Taranova I. V., Gladilin V. A. // В сборнике: The Challenge of Sustainability in Agricultural Systems. Сер. "Lecture Notes in Networks and Systems, Volume 205" Heidelberg, 2021. С. 539–548. DOI: 10.1007/978-3-030-73097-0\_61
13. Osadchaya N. Organizational and economic priorities for the agro-industrial complex development in Russia at the regional level / Osadchaya N., Murzin A., Revunov R., Plokhotnikova G. // В сборнике: IOP Conference Series: Earth and Environmental Science. Сер. "Fundamental and Applied Scientific Research in the Development of Agriculture in the Far East, AFE 2021 – Papers" 2021. С. 032061. DOI: 10.1088/1755-1315/937/3/032061

## INTELLECTUAL POTENTIAL AS A FACTOR INFLUENCING THE EMPLOYMENT OF A GRADUATE

© 2022 **Khalikov Artem Lenarovich**

Assistant of the Department of Human Resource Management  
Kazan (Volga Region) Federal University,  
Kazan, Russia  
E-mail: artkzn16@gmail.com

© 2022 **Kasyanova Diana Radievna**

postgraduate student of GBU "Center for Advanced Economic Research of the Academy  
of Sciences of the Republic of Tatarstan",  
Kazan, Russia  
E-mail: 3007diana@mail.ru

The paper considers intellectual potential as a factor influencing the employment of a graduate, taking into account the economy of the region. Human resources, especially graduates, are given special attention as the basis of economic growth and future development. New competitive advantages can be obtained only through the effective use of intellectual potential, and the transition to innovation requires the development of gifted youth and the creation of an environment conducive to creativity and self-realization. It has been proven that higher education is crucial for young people. University graduates enter a highly competitive labor market, which requires a constant increase in human capital. At the same time, universities make a significant contribution to the socio-economic growth of the region, promoting innovation and providing high-quality professional training of graduates. The article substantiates the need to organize the process of managing the intellectual potential of university graduates.

**Keywords:** *intellectual potential, intellectual capital, youth, labor market, employers, development potential, employment.*

## ANALYSIS OF INTERNATIONAL EXPERIENCE IN ESG PROJECTS INVESTING AND ITS GLOBAL REGULATION

© 2022 **Khomyakova Lyubov Igorevna**

PhD in Economics, Associate Professor, Leading Research Fellow, Institute for International  
Economic Relations Research  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: ljubajob@rambler.ru

Global investors demonstrate active involvement in the processes of sustainable development. The principles of ESG investment are currently applied in almost all regions of the world, which requires appropriate regulation by government agencies. In this regard, an analysis of the international experience of ESG investment was carried out with an emphasis on the regional features of the EU, the USA, Australia, and Japan.

**Keywords:** *ESG, investment, sustainable investment, green banks*

### References

1. ESG banking in Russia. Research by Deloitte and the Association of Banks of Russia. May, 2021. URL: [https://asros.ru/upload/iblock/387/ihth197wie0u20lxdxki74di4vbj3ylm/ESG\\_banking-v-Rossii\\_web\\_rus.pdf](https://asros.ru/upload/iblock/387/ihth197wie0u20lxdxki74di4vbj3ylm/ESG_banking-v-Rossii_web_rus.pdf).
2. ESG investments are taking over the world. What is it and why are they getting more and more popular. RBC. 26.09.2021. URL: <https://quote.rbc.ru/news/article/60efd48d9a79477f9b55d91d>.
3. ESG investment market in Russia: present and future. Frank RG. July, 2021. URL: <https://frankrg.com/esg-invest/>.
4. *Shulga Yu.* What investors should keep in mind when choosing an ESG strategy. Forbes. 10.12.2021. URL: <https://www.forbes.ru/biznes/449105-o-cem-nado-pomnit-investoram-pri-vybore-esg-strategii>.
5. PwC's Global investor survey. The economic realities of ESG. December 2021. URL: <https://www.pwc.com/gx/en/corporate-reporting/assets/pwc-global-investor-survey-2021.pdf>.
6. Global Sustainable Investment Review 2020. URL: <http://www.gsi-alliance.org/wp-content/uploads/2021/08/GSIR-20201.pdf>.

## MODERN FEATURES OF LABOR ORGANIZATION IN THE AGRO-INDUSTRIAL COMPLEX OF RUSSIA IN THE LIGHT OF DIGITAL TRANSFORMATION OF THE ECONOMY

© 2022 **Chekhovskikh Irina Aleksandrovna**

Candidate of Economic Sciences, Associate Professor  
St. Petersburg State University of Veterinary Medicine,  
St. Petersburg, Russia  
E-mail: chekhonte\_ir@mail.ru

© 2022 **Oi Ekaterina Mikhailovna**

PhD in Law, Associate Professor  
St. Petersburg State University of Veterinary Medicine,  
St. Petersburg, Russia  
E-mail: katerinaom@mail.ru

© 2022 **Popazova Olga Anatolievna**

Candidate of Economics, Associate Professor  
St. Petersburg State University of Economics,  
St. Petersburg, Russia  
E-mail: ol-po@inbox.ru

© 2022 **Rasskazova Olga Anatolievna**

Candidate of Economic Sciences, Associate Professor  
St. Petersburg Polytechnic University of Peter the Great,  
St. Petersburg, Russia  
E-mail: olanka777@yandex.ru

© 2022 **Aleksandrov Igor Nikolaevich**

Candidate of Economic Sciences, Associate Professor  
St. Petersburg Polytechnic University of Peter the Great,  
St. Petersburg, Russia  
E-mail: a7830298@gmail.com

Broadly speaking, a modern Russian agricultural worker finds himself in a new global economic reality that, in its narrow sense, often comes into conflict with the actual state of domestic reality. The existing multiform structure of the Russian economy, including agrarian sector, demonstrates inconsistent requirements to labour in general, and to its organization, particularly. New information technologies in agriculture coexist with archaic forms of farming. On the one hand, the farming business is facing the demands of modernization and post-industrialization, which is expressed in the need to be included and involved in global civilizational trends. The use of ever more advanced equipment and the latest technology in agricultural production is designed to ensure success in the competitive struggle at the international level. On the other hand, the internally uneven regional development of the agrarian sector, when a few farms use predominantly manual and weakly mechanized labour, demonstrates a quite stable position. Even this an outdated organization of agricultural production can give the products, which are used by demand at the local level. Such contradictory conditions of the Russian agrarian market require considerable adaptability from its participants, which, in turn, largely depends on the scale of the business, its regional affiliation and peculiarities of the form of ownership. Russian agricultural holdings have almost all the investment opportunities to improve their fleet of machinery and equipment, including the most advanced digital technologies that allow them to regulate and control crop and livestock production processes. Representatives of small and medium-sized agricultural businesses do not have such opportunities due to the limited resources available, they have to “be content with little”. The trend towards monopolization and oligopolization of agricultural production is currently suppressed by vast agricultural territories, which are eroding the possibilities of supervision and control in their open spaces, as well as complicating internal communications with the underdevelopment of infrastructure.

**Keywords:** *agro-industrial complex, labour organization, information technology, digital transformation, agriculture.*

## ORGANIZATIONAL-ECONOMIC AND ADMINISTRATIVE-LEGAL INSTRUMENTS OF LAND USE GREENING AT THE REGIONAL LEVEL

© 2022 **Chumakova Tatyana Nikolaevna**

Candidate of Pedagogical Sciences, Associate Professor  
Don State Agrarian University, Novocherkassk,  
Rostov Region, Russia  
E-mail: tana201025@mail.ru

© 2022 **Garcheva Ekaterina Vladimirovna**

graduate student  
Federal Rostov Agricultural Research Center, Rassvet village, Aksai district,  
Rostov region, Russia  
E-mail: Garchevaev@yandex.ru

© 2022 **Ushakov Alexander Evgenievich,**

graduate student  
Novocherkassk Engineering and Reclamation Institute — branch  
Don State Agrarian University, Novocherkassk,  
Rostov Region, Russia  
E-mail: sashka-ushakov@mail.ru

The article discusses the dynamics of the area of land resources by category of use, the distribution of agricultural land in the Russian Federation for the -period 2016–2020, as well as the structure of the land fund of the RF by federal districts of the RF and land categories in 2020. The administrative-legal and

organizational- economic directions for the development of socio-environmentally-economically balanced directions of state policy in the field of land management at the federal and regional levels. The results of the study can be used by state authorities of the RF and constituent entities of the Russian Federation in the development of programs and projects for the development of socio-ecological and economic development, as well as by investors investing in the sectors of the agro-industrial complex of the RF.

*Keywords: region, economy, ecology, agriculture, agro-industrial complex, land use, land resources.*

## References

1. Brik A. D. Covershenstvovanie sistemy gosudarstvennoj podderzhki agropromyshlennogo kompleksa na federal'nom i regional'nom urovnyah v kontekste razvitiya eksporta sel'skohozyajstvennoj produkcii / Brik A. D., Plohotnikova G. V. // Moskovskij ekonomicheskij zhurnal. 2021. № 2.
2. Zemel'nyj kodeks Rossijskoj Federacii" ot 25.10.2001 N 136-FZ (red. ot 16.02.2022)
3. O sostoyanii i ob ohrane okruzhayushchej sredy Rossijskoj Federacii v 2020 godu. Gosudarstvennyj doklad. Oficial'nyj sajt Minprirody RF [https://www.mnr.gov.ru/docs/gosudarstvennye\\_doklady/?PAGEN\\_2=2/](https://www.mnr.gov.ru/docs/gosudarstvennye_doklady/?PAGEN_2=2/) data obrashcheniya 4 maya 2022 g.
4. O sostoyanii i ob ohrane okruzhayushchej sredy Rossijskoj Federacii v 2019 godu. Gosudarstvennyj doklad. Oficial'nyj sajt Minprirody RF [https://www.mnr.gov.ru/docs/gosudarstvennye\\_doklady/?PAGEN\\_2=2/](https://www.mnr.gov.ru/docs/gosudarstvennye_doklady/?PAGEN_2=2/) data obrashcheniya 4 maya 2022 g.
5. O sostoyanii i ob ohrane okruzhayushchej sredy Rossijskoj Federacii v 2018 godu. Gosudarstvennyj doklad. Oficial'nyj sajt Minprirody RF [https://www.mnr.gov.ru/docs/gosudarstvennye\\_doklady/?PAGEN\\_2=2/](https://www.mnr.gov.ru/docs/gosudarstvennye_doklady/?PAGEN_2=2/) data obrashcheniya 4 maya 2022 g.
6. O sostoyanii i ob ohrane okruzhayushchej sredy Rossijskoj Federacii v 2017 godu. Gosudarstvennyj doklad. Oficial'nyj sajt Minprirody RF [https://www.mnr.gov.ru/docs/gosudarstvennye\\_doklady/?PAGEN\\_2=2/](https://www.mnr.gov.ru/docs/gosudarstvennye_doklady/?PAGEN_2=2/) data obrashcheniya 4 maya 2022 g.
7. O sostoyanii i ob ohrane okruzhayushchej sredy Rossijskoj Federacii v 2016 godu. Gosudarstvennyj doklad. Oficial'nyj sajt Minprirody RF [https://www.mnr.gov.ru/docs/gosudarstvennye\\_doklady/?PAGEN\\_2=2/](https://www.mnr.gov.ru/docs/gosudarstvennye_doklady/?PAGEN_2=2/) data obrashcheniya 4 maya 2022 g.
8. Postanovlenie Pravitel'stva RF ot 30.06.2021 N 1081 (red. ot 07.02.2022) "O fe-deral'nom gosudarstvennom zemel'nom kontrole (nadzore)" (vmeste s "Polozheniem o fe-deral'nom gosudarstvennom zemel'nom kontrole (nadzore)"
9. Revunov R. V. Napravleniya povysheniya effektivnosti sel'skogo hozyajstva rostov-skoj oblasti / Revunov R. V., Revunov S. V., SHeremet'ev P.G., CHernyshova T.N. // Moskovskij ekonomicheskij zhurnal. 2021. № 6.
10. Taranova I. V. Organizacionno-ekonomicheskij i cifrovoj instrumentarij in-tensifikacii agrarnogo proizvodstva v RF / Taranova I. V., Brik A. D., Plohotnikova G. V., Garcheva E. V. // Moskovskij ekonomicheskij zhurnal. 2022. T. 7. № 3.
11. Federal'nyj zakon ot 29.12.2006 N 264-FZ (red. ot 30.12.2021) "O razvittii sel'skogo hozyajstva"
12. Anopchenko T. Yu. Diversification of regulatory powers in social, environmental, and economic relations as a factor for stimulating regional development / Anopchenko T. Yu., Lazareva E. I., Murzin A. D., Revunov R. V., Roshchina E. V. // В сборнике: The Challenge of Sustainability in Agricultural Systems. Ser. "Lecture Notes in Networks and Systems, Volume 206" Heidelberg, 2021. С. 561–570. DOI: 10.1007/978-3-030-72110-7\_62
13. Osadchaya N. Organizational and economic priorities for the agro-industrial complex development in Russia at the regional level / Osadchaya N., Murzin A., Revunov R., Plohotnikova G. // В сборнике: IOP Conference Series: Earth and Environmental Science. Ser. "Fundamental and Applied Scientific Research in the Development of Agriculture in the Far East, AFE 2021 — Papers" 2021. С. 032061. DOI: 10.1088/1755-1315/937/3/032061

---

**BOOK KEEPING, STATISTICS**

---

**REGULATION OF BUSINESS PROCESSES FOR SALES FORECASTING PURPOSES**© 2022 **Plotnikova Vera Victorovna**

Doctor of Economic, Professor of Business Analysis Department  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: VVPlotnikova@fa.ru

© 2022 **Stubalin Pavel Vladimirovich**

Ph.D. in Economics, Department of Information Systems and Modeling  
Yuri Gagarin State Technical University of Saratov,  
Saratov, Russia  
E-mail: pavel0@mail.ru

In this paper, the authors propose an approach to regulating the process of «Budgeting» of a trading company for the purposes of sales forecasting. Two processes were proposed: sales planning and pricing, goals, owners, inputs and outputs of each process were formulated, their description in text and graphic form was given, and performance evaluation criteria were defined.

**Keywords:** *analysis, regulation, business process, budgeting, forecasting, sales*

**CHARACTERISTICS OF THE MAIN PROBLEMS OF TOURISM STATISTICS**© 2022 **Rozanova Tatyana Pavlovna**

Doctor of Economics, Professor, Head of the Department of Tourism and Hotel Business Financial  
University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: TPRozanova@fa.ru

© 2022 **Stytsiuk Rita Yurievna**

Doctor of Economics, Professor, Professor of the Department of Tourism and Hotel Business  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: Rstytchuk@fa.ru

Reliable information reflecting the movement of tourist flows, changes in tourism demand and supply make it possible to assess the contribution of the tourism sector to the economy of the region, to determine the anthropogenic load, to forecast possible changes in the sphere of consumer expectations of tourists. In this regard, it should be noted that tourism statistics, as a mirror showing the state of the tourism industry in dynamics, allows for analysis and functional diagnostics aimed at developing business processes at the company level and management installations at the level of administrations.

**Keywords:** *tourism, tourism statistics, information, problems of tourism statistics, auxiliary account, target segments*

## THE MULTIDIMENSIONALITY OF TOURISM AND THE PROBLEMS OF MODERN STATISTICS

© 2022 **Rozanova Tatyana Pavlovna**

Doctor of Economic Sciences, Professor, Head of the Department of Tourism and Hotel Business  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: TPRozanova@fa.ru

© 2022 **Stytsyuk Rita Yurievna**

Doctor of Economic Sciences, Professor, Professor of the Department of Tourism and Hotel Business  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: Rstytchuk@fa.ru

The article reveals the difficulties of statistical observation in tourism due to its intersectoral nature; substantiates the essence of tourism as a complex collective grouping of economic activities in various sectors of the economy; reveals the multidimensionality of tourism as an intersectoral activity for use in statistical surveys. The novelty of the proposed approach lies in the substantiation of the intersectoral nature of tourism, the atypical structure of tourist activity, the underestimation of which causes problems and contradictions of statistics, and, as a result, the distortion of the contribution of tourism to economic and social growth. The research methodology is based on the combination of the following methods: system analysis and synthesis, legal analysis, comparative, structural–functional, typological types of analysis.

**Keywords:** *tourism, statistical reporting, indicators for evaluating tourism activity, economic efficiency of tourism development.*

## ANALYSIS OF BUSINESS DIGITALIZATION PROCESSES IN RUSSIA

© 2022 **Tolmachev Mikhail Nikolaevich**

Doctor of Economic, Professor of Business Analysis Department  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: MNTolmachev@fa.ru

© 2022 **Loseva Anna Valerievna**

Ph.D., Associate Professor of Department of Business Statistics  
Financial and Industrial University «Synergy»,  
Moscow, Russia  
E-mail: lav78@yandex.ru

In the context of global processes of digital transformation of the economy, assessment and monitoring of the level of digitalization of Russian enterprises as one of the main parameters of their efficiency and competitiveness is becoming in demand. The purpose of the study is to give a quantitative assessment of the development of digitalization processes of Russian enterprises and to identify the features and patterns inherent in this process. To achieve this goal, the authors have identified a system of indicators reflecting the prevalence and intensity of the introduction and use of ICT for entrepreneurial purposes, as well as a methodology for evaluating the effectiveness of this process. By the application of statistical analysis methods, the assessment of the peculiarities of the studied processes in the Russian Federation in terms of sectoral and regional differences is given. Official statistics data were used as an information base.

**Keywords:** *digitalization, information and communication technologies (ICT), types of economic activities, regional differences.*

## PLANNING OF BUSINESS PROCESS REENGINEERING «MARKETING AND SALES MANAGEMENT»

© 2022 **Tolmachev Mikhail Nikolaevich**

Doctor of Economic, Professor of Business Analysis Department  
Financial University under the Government of the Russian Federation, Moscow, Russia  
E-mail: MNTolmachev@fa.ru

© 2022 **Stubalin Pavel Vladimirovich**

Ph.D. in Economics, Department of Information Systems and Modeling  
Yuri Gagarin State Technical University of Saratov, Saratov, Russian Federation  
E-mail: pavel0@mail.ru

The article considers the possibility of analyzing business processes at the planning stage. A comparative analysis of the results obtained at the stage of modeling the reengineering of the company using diagrams of the business process «Marketing and Sales Management» «as is — as it should be» is carried out. During the simulation, the reengineering of two subprocesses «Product promotion» and «Product sales» is proposed due to the introduction of a CRM system and data automation.

*Keywords: reengineering, business processes, automation, analysis, CRM system, notation of graphical modeling IDEF0.*

## PROSPECTS FOR INTRODUCING A CARBON TAX IN THE CONTEXT OF ANTI-RUSSIAN SANCTIONS

© 2022 **Khasanova Faina Rashidovna**

Business Intelligence Department of the Faculty of Taxes, Audit and Business Analysis  
Financial University under the Government of the Russian Federation,  
Moscow, Russia  
E-mail: khasanova\_f@mail.ru

The program of global decarbonization of the economy is based on the results of studies of the relationship between the amount of greenhouse gas emissions into the atmosphere and climate fluctuations on the planet. Cross-border carbon regulation will be the backbone of a low-carbon economy. The international market under the conditions of anti-Russian sanctions does not guarantee the absence of discrimination against Russian suppliers for climate reasons. An experimental model for introducing a carbon tax on Sakhalin should take into account the existing verification problems on electronic trading platforms when trading carbon units.

*Keywords: carbon tax, anti-Russian sanctions, decarbonized economy, emissions trading system, decarbonization of the economy, green economy, cross-border carbon regulation*