
ECONOMIC SCIENCES

**Nº6 (187)
2020**

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, President of Financial University under the Government of the Russian Federation

A.G. Zeldner — Doctor of Economics, Professor, Institute of Economy of Russian Academy of Sciences

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

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

A.L. 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, Rector 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 (Agency "Rospechat")

ISSN 2072–0858

Issue date 15.07.2020

Format 60x84/8

Printed signatures 18.6

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

A.G. Zeldner — Doctor of Economics, Professor, Institute of Economy of Russian Academy of Sciences

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

K.N. Korischenko — Doctor of Economics, Professor, Russian Presidential Academy of National Economy and Public Administration

A.A. Bakulina — Doctor of Economics, Professor, Financial University under the Government of the Russian Federation

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

Chief Editor:

V.A. Meshcherov — Doctor of Economics, Professor

CONTENTS

ECONOMIC THEORY

- Mihailov A.M., Mishina M.S.** Analysis of the state and problems of development the Russian securities market 147

ECONOMICS AND MANAGEMENT OF NATIONAL ECONOMY

- Alekseev A.A., Fomin E.P., Fomina N.E., Titov A.B.** Recycling industry: economics of the pan-European sector 147
- Bizhiov B.M.** Institutional and economic technologies of inter-level architecture of the pyramidal structures of the budget and financial system 148
- Vasilchenko M.Y.** Trends in the potential of livestock feed resources under the influence of innovative development factors 148
- Galkina M.N., Bukhtik M.I., Kievich A.V.** Labor resources: classification and methodology for management accounting in belarusian practice 149
- Ganeev A.M.** Territories of advanced socio-economic development: features and prospects 150
- Cabbarova G.İ.** Modern state of the investment attractiveness of the Azerbaijani economy 150
- Ermolova O.V., Kirsanov V.V., Ostapenko T.V.** Interindustry level of interactions in the Eurasian agri-food complex 150
- Karlik A.E., Platonov V.V., Kuzyaev D.A.** Exploratory factor analysis for the identification of key internal factors from the financial reporting of football clubs 151
- Knyazeva N.V., Pavlova K.S.** Problems of assessing the quality of tax advice in digital conditions in Russia 152
- Niyazova I.M.** Conflict risks as a result of the coronavirus infection pandemic in health 152
- Potapov A.P.** Evaluation of volumes of agrarian production depending on the structure of resource costs 153
- Strokov A.A.** Human resources for the digital economy. Digitalization of education. Digital literacy 154
- Sukhareva E.V.** Planning the efficient operation of a thermal power plant 154
- Udaltsova N.L.** Open innovation model potential and its use 155
- Yu Jinchun** Model of influence of the investment structure on the results of construction activity 155

FINANCE, MONEY CIRCULATION AND CREDIT

- Khrustova L.E., Pukhova M.M.** Determination of Industrial Factors of Public-Private Partnership Development 156

BOOK KEEPING, STATISTICS

- Basova M.M.** The role of non-financial reporting in improving company's image 157
- Petrov A.M.** The role and importance of control of the movement of fixed assets in government agencies 157

Shlychkov D.S. Planning of cost of services in the housing and communal industry in the conditions of increased readiness	157
Yurchenko K.A. Modeling and system approach to the problem of corruption in state authorities	158

WORLD ECONOMY

Alekseev P.V. Analysis of competitive potential of Swedish krona in the global monetary and financial system	159
Papusha S.I. Trading robot based on the Relative Strength Index (RSI) indicator	159

ECONOMIC THEORY

**ANALYSIS OF THE STATE AND PROBLEMS
OF DEVELOPMENT THE RUSSIAN SECURITIES MARKET**© 2020 **Mihailov Aleksandr Mihailovich**

Doctor of Economics, Professor

Samara State University of Economics, Samara, Russia

E-mail: 2427994@mail.ru

© 2020 **Mishina Maria Sergeevna**

Student

Samara State University of Economics, Samara, Russia

E-mail: ai496302@gmail.com

Securities are currently one of the more flexible financial instruments. They can also be considered one of the main attributes relative to any turnover. As a participant in the turnover of goods, they can be one of the ways of crediting, as well as a means of payment, replacing cash. In a market economy, the Russian securities market cannot cope with a variety of tasks and problems that hinder its further development.

Keywords: Russian securities market, stock market, securities, index dynamics, regulation, conflict of interest, capitalization, information technology

ECONOMICS AND MANAGEMENT OF NATIONAL ECONOMY

RECYCLING INDUSTRY: ECONOMICS OF THE PAN-EUROPEAN SECTOR© 2020 **Alekseev Andrey Alekseevich**

Doctor of Economics, Professor

Saint Petersburg State University of Economics, Saint Petersburg, Russia

E-mail: idc@unecon.ru

© 2020 **Fomin Evgeny Pimenovich**

Doctor of Economics, Professor, Head of the Department of Taxation and Audit

Samara State University of Economics, Samara, Russia

E-mail: fomin@sseu.ru

© 2020 **Fomina Natalia Evgenievna**

Doctor of Economics, Associate Professor,

General Director, United Match Company JSC, St. Petersburg, Russia

E-mail: natalia.fomina@mail.ru

© 2020 **Titov Anton Borisovich**

Doctor of Economics, Professor, Projector

ANOO «Water Academy», St. Petersburg, Russia

E-mail: titovanton@bk.ru

This publication presents the results of a statistical study of the financial performance of the pan-European recycling industry. The study was conducted within the framework of the dilemma about institutional affiliation, stakeholders of the secondary circulation system: the ecological function is opposed to the entrepreneurial one. The main segments of the recycling industry are highlighted and described, classified according to the effectiveness and efficiency of operating activities. The presented research results are an actualization of the issue of the economics of the recycling industry, considered in publications (2011–2014) of the Waste Management SE-500 grant.

Key words: circular economy, recycling, construction, innovation, entrepreneurship, industry

INSTITUTIONAL AND ECONOMIC TECHNOLOGIES OF INTER-LEVEL ARCHITECTURE OF THE PYRAMIDAL STRUCTURES OF THE BUDGET AND FINANCIAL SYSTEM

© 2020 **Bizhoev Betal Muratovich**

Postgraduate, North Caucasian Research Institute of Economic and Social Problems
Southern Federal University
E-mail: bizhoevbetal@mail.ru

During the crisis, institutional failures of the pyramidal model of the fiscal system appeared. The formation of a sustainable architecture for the fiscal system requires the process of institutional design and transformation of the financial system at various levels. An empirical assessment of the imbalance in the quantitative aspect of the federal, regional and municipal level of the public procurement system. The directions of increasing the efficiency of inter-level architecture are proposed.

Keywords: budget, finance, procurement, institutional design, financial and budget system, budget federalism, inter-level architecture.

TRENDS IN THE POTENTIAL OF LIVESTOCK FEED RESOURCES UNDER THE INFLUENCE OF INNOVATIVE DEVELOPMENT FACTORS

© 2020 **Vasilchenko Marianna Yakovlevna**

Candidate of Economic Sciences, Senior Researcher
Federal State Budgetary Institute of Science of Russian Academy of Science Institute of Agrarian Problems of Russian Academy of Science, Saratov, Russia.
E-mail: mari.vasil4enko@yandex.ru

Trends of changes in the potential of production and processing of animal feed resources in Russia under the influence of factors of innovative development are studied. Indicators of the innovative profile of animal husbandry, production and processing of animal feed resources that characterize the possibility of forming innovative product chains are proposed. The prospects for the formation of the feed base are determined, taking into account the structural changes in the organization of feed production and the process of digitalization of agriculture. Scenarios of livestock feed demand are substantiated, including taking into account the challenges of the coronavirus pandemic.

Keywords: agro-industrial complex, state support, innovative profile, livestock, feed resources, coronavirus pandemic

References

1. *Kulistikova T., Maksimova E.* the Ministry of agriculture has developed a program for the development of the feed industry.— URL: <https://www.agroinvestor.ru/analytics/news/32736-minselkhoz-razrabotal-programmu-razvitiya-kormovoy-industrii/>.
2. *Potapov A.P.* Ensuring resource independence of agricultural production in the context of food security in Russia // *Problems of forecasting.* 2019. no. 5. Pp. 120–129.
3. Market of protein ingredients of compound feeds.— URL: <https://www.tsenovik.ru/articles/obzory-i-prognozy/rynok-proteinovykh-ingredientov-kombikormov/>.
4. The Ministry of agriculture estimates the need of livestock breeders for soybean meal at the level of 5 million tons.— URL: https://pticainfo.ru/news/?ELEMENT_ID=52181.
5. Report on the state and use of agricultural land in the Russian Federation in 2018. Moscow: Rosinformagrotech, 2020.— 340 p.— URL: <http://mcxac.ru/upload/iblock/c0c/c0ccac7d40b051325fcef23aa79a3e00.pdf>.
6. Feed Engineering — an innovative approach to the management of feed resources.— URL: <https://www.dairynews.ru/news/kormoinzhiniring-innovatsionnyy-podkhod-v-upravlen.html>.
7. *Orlova N.* Plus 1.1 million tons of feed. Features of development of the feed industry // *Agroinvestor*, January 10, 2019.— URL: <https://www.agroinvestor.ru/markets/article/31005-plyus-1-1-mln-tonn-po-kormam/>.
8. The high-tech project «Protein of Russia» Starts.— URL: <https://www.dairynews.ru/news/>.
9. Main trends and medium-term scenarios for the development of feed production.— URL: http://mcx.ru/upload/iblock/20f/20f22f553_eb26f7341b3fbfcd89071a3.pdf.

LABOR RESOURCES: CLASSIFICATION AND METHODOLOGY FOR MANAGEMENT ACCOUNTING IN BELARUSIAN PRACTICE

© 2020 **Galkina Marina Nikolaevna**

Assistant of the Department of Financial Management
Polesky State University, Pinsk, Republic of Belarus
E-mail: gal.79@mail.ru

© 2020 **Bukhtik Marina Igorevna**

PhD in Economics, Associate Professor of the Department of Financial Management
Polesky State University, Pinsk, Republic of Belarus
E-mail: marina_buhtik@mail.ru

© 2020 **Kievich Alexander Vladimirovich**

Doctor of Economics, Professor of the Department of Financial Management
Polesky State University, Pinsk, Republic of Belarus
E-mail: a.v.kievich@yandex.ru

The article proposes the classification of labor costs by functional purpose; structural units; frequency of execution and depending on the sources of their financing. In order to generate and summarize information on the amount of labor costs of organizations, the author proposes the use of separate synthetic and analytical accounts.

Keywords: labor resources, labor costs, classification of labor resources, remuneration, management accounting.

TERRITORIES OF ADVANCED SOCIO-ECONOMIC DEVELOPMENT: FEATURES AND PROSPECTS

© 2020 **Ganeev A. M.**

Researcher

Institute of Economics of the Russian Academy of Sciences, Moscow, Russia

E-mail: Azat.g@rambler.ru

SPIN: 9372–3330, AuthorID: 703748

In this article features and prospects of the functioning of territories of advanced socio-economic development is considered. The author studies the experience of creating development territories in order to attract investment in the economy of regions and the country as a whole.

Keywords: attraction of investments, territories of the advanced socio-economic development, public-private partnership.

MODERN STATE OF THE INVESTMENT ATTRACTIVENESS OF THE AZERBAIJANI ECONOMY

© 2020 **Cabbarova Gunel İntizam**

Doctoral student

Azerbaijan University of Cooperation, Azerbaijan Republic, Baku

E-mail: gunel.cabbarova@azeravtoyol.gov.az

The article explores the current state of investment attractiveness in Azerbaijan, evaluates the environment created in this area. Factors affecting the country's investment potential are put forward and investment attractiveness of the national economy is assessed.

Keywords: investment, investment potential and attractiveness, non-oil sector.

INTERINDUSTRY LEVEL OF INTERACTIONS IN THE EURASIAN AGRI-FOOD COMPLEX

© 2020 **Ermolova Olga Vasilievna**

Doctor of Economics, Professor

Institute of Agrarian Problems of the Russian Academy of Sciences, Saratov, Russia

E-mail: ermolovarus@yandex.ru

© 2020 **Kirsanov Vladimir Viktorovich**

Candidate of Economic Sciences

Institute of Agrarian Problems of the Russian Academy of Sciences, Saratov, Russia

E-mail: vkirs@yandex.ru

© 2020 **Ostapenko Tatyana Viktorovna**

Candidate of Economic Sciences

Institute of Agrarian Problems of the Russian Academy of Sciences, Saratov, Russia

E-mail: tanya_ostapenko_76@mail.ru

The article analyzes the development of agro-industrial integration of the states of the Eurasian Economic Union. Differences in the level of development of the agri-food complex and self-sufficiency of

countries with food are shown. The results of the study of interindustry interactions are presented; the conditions and factors for their deepening are highlighted. The main directions of deepening interindustry interactions are shown. Inclusion in global value chains is seen as a factor in increasing the competitiveness of the agri-food complex.

Keywords: Eurasian Economic Union, agro-industrial integration, trade, industrial cooperation, value chains

EXPLORATORY FACTOR ANALYSIS FOR THE IDENTIFICATION OF KEY INTERNAL FACTORS FROM THE FINANCIAL REPORTING OF FOOTBALL CLUBS

© 2020 **Karlik Alexander Evseevich**

Doctor of Economics, Professor,

Head of the Department of Economics and Management of Enterprises and Production Complexes

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

E-mail: karlik1@mail.ru

© 2020 **Platonov Vladimir Vladimirovich**

Doctor of Economics, Professor,

Department of Economics and Management of Enterprises and Production Complexes

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

E-mail: vladimir.platonov@gmail.com

© 2020 **Kuzyaev Daler Adyamovich**

PhD student, Department of Economics and Management of Enterprises and Production Complexes

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

E-mail: daler9593@mail.ru

A cognitive approach to the analysis of information of financial reporting is proposed and tested to obtain robust results required for the implementation of new management methods focused on intangible production. The approach is implemented via an exploratory factor analysis to identify key internal factors and is tested on the financial statements of football clubs. The results of the analysis showed a rather high degree of reliability and internal consistency of financial information for applying the cognitive approach for intangible industries and the real sector.

Key words: cognitive economy; financial reporting; organizational innovation; new management methods; football

References

1. Karlik A.E., Platonov V.V. Resursno-orientirovannyj podhod v mezhdisciplinarnoj perspektive [Resource-based view in an interdisciplinary perspective] // *Finansy i biznes*, 2013. — № 4. pp. 4–12.
2. Platonov V.V. Finansovye aspekty ocenki intellektual'nogo kapitala [Intellectual capital: financial perspective] // *Finansy i biznes*. — 2006. — № 1. — pp. 98–111.
3. Amadeus database. — Brussels: Bureau van Dijk — 2020. — [Электронный ресурс] (<https://amadeus.bvdinfo.com/version-2019919>).
4. Arrindell, W.A., van der Ende. J. An Empirical Test of the Utility of the Observations to Variables Ratio in Factor and Components Analysis // *Applied Psychological Measurement*. — 1985. — No 9. — pp.165–178.
5. Banerjee S. Chaos and Complexity Theory for Management: Nonlinear Dynamics. — Hershey: IGI Global, 2012, 449 pages.
6. DeVellis R.F. Scale development: Theory and applications. Thousand Oaks: Sage Publications 2003. 184 pages.
7. Bergman J.-P., Knutas A., Jantunen A., Tarkiainen A., Luukka P., Karlik A., Platonov V. Strategic Interpretation on Sustainability Issues: Eliciting Cognitive Maps of Boards of Directors. *Corporate Governance // The International Journal of Business in Society*. — 2016. — Vol.1. — No.16. — pp. 162–186.

8. *Gorsuch R. L.* Factor analysis. Toronto: Saunders. 1983. 359 pages.
9. *Gorsuch R. L.* Factor analysis (2nd ed.). Hillsdale NJ: Lawrence Erlbaum Associates. 1983. 425 pages.
10. *Hatcher L.* A Step-by-Step Approach to Using the SAS System for Factor Analysis and Structural Equation Modeling/ The SAS Institute. Review. Cary, NC — 1994. pp. 325–339.
11. *MacCallum R. C., Widaman K.F., Zhang S., Hong S.* Sample size in factor analysis // *Psychological Methods.*— 1999.— No 4.— pp. 84–99.

PROBLEMS OF ASSESSING THE QUALITY OF TAX ADVICE IN DIGITAL CONDITIONS IN RUSSIA

© 2020 **Knyazeva Natalya Vladimirovna**

Doctor of Economics, Candidate of Juridical Sciences

General Director of NGOs «Association of Professional Forensic Experts», Moscow, Russia

E-mail: expert-knyazeva@mail.ru

© 2020 **Pavlova Ksenia Sergeevna**

PhD, Associate Professor

Samara State Economic University, Samara, Russia

E-mail: mrs.pavlova@list.ru

Various approaches to obtaining the competencies required to work as a tax consultant are described. Attention is drawn to the lack of a transparent mechanism for selecting a consultant. The relevance of the development of the use of electronic resources and digital technologies in activities is indicated, which directly affects the timing of the provision of services and meets modern trends in the development of the digital economy.

Keywords: consulting services, tax consultant, tax expert, judicial tax expert, specialist competence, assessment of tax consultant qualification

CONFLICT RISKS AS A RESULT OF THE CORONAVIRUS INFECTION PANDEMIC IN HEALTH

© 2020 **Niyazova Irina Mansurovna**

Psychiatrist-narcologist. Organizational, methodological and advisory department

State-funded healthcare institution Tyumen region «Regional narcological dispensary», Tyumen, Russia

E-mail: niyazovai@mail.ru

The article considers the impact of the coronavirus infection pandemic on Russian health care, analyzes both existing and potential risks of conflicts due to the coronavirus infection pandemic in health care. The consequences of the financial and economic crisis are analyzed, measures taken by the government in the current situation are considered. As research methods, the author applied systematization and generalization, as well as analytical, structural-logical and graphical methods. Based on the study, a conclusion was drawn on the impact of the coronavirus infection pandemic on Russian health care and the consequences of this effect on the risks of health conflicts.

Keywords: pandemic, coronavirus infection, conflicts in healthcare, quality of medical care, financial and economic crisis

References

1. *Anpilov S.M., Soročajkin A.N.* Rossiya v postpandemijnom mire [Russia in a post-pandemic world] // Osnovy ekonomiki, upravleniya i prava. [The Basics of economy, management and law] 2020. № 2 (21). S. 24–30.
2. *Gromyko A.A.* Koronavirus kak faktor mirovoj politiki [Coronavirus as a factor in world politics] // Nauchno-analiticheskiy Vestnik Instituta Evropy RAN. [Scientific and Analytical Herald of the Institute of Europe RAS] 2020. № 2. S. 4–13.
3. *Dudin M.N., Lyasnikov N.V.* Veroyatnye social'nye i ekonomicheskie posledstviya pandemii koronavirusa COVID-19 [Possible social and economical effects of the Covid-19 pandemic] // POISK: Politika. Obshchestvovedenie. Iskusstvo. Sociologiya. Kul'tura: nauchnyj i sociokul'turnyj zhurnal. [POISK: Politics, social science, arts, sociology, culture, science and social culture magazine] 2020. № 2 (79). S. 60–71.
4. *Esin P.A.* Scenarij razvitiya mirovogo rynka v usloviyah koronavirusnogo krizisa [The scenario of world market development in the Coronavirus crisis conditions] // Izvestiya Vuzov. PND. [University Herald] 2020. Tom 28. № 2. S. 158–167.
5. *Kadyrov F.N.* Prakticheskie aspekty vnedreniya professional'nogo standarta «Mladshij medicinskij personal» [Practical aspects of implementing a new professional standart «paramedical personell»] // Menedzher zdravoohraneniya. 2016. № 10. S. 62–70.
6. *Kul'kova I.A.* Vliyanie pandemii koronavirusa na demograficheskie processy v Rossii [Wagging of the coronavirus pandemic on demographic processes in Russia] // Human Rrogress. 2020. Tom 6. Vypusk 1. URL: http://progresshuman.com/images/2020/Tom6_1/Kulkova.pdf, svobodnyj. DOI 10.34709/IM.161.5 (data obrashcheniya: 28.05.2020).
7. *Mamedova M.* Professor Gundarov: My umrem ne ot koronavirusa, a ot straha i unichtozhennogo zdravoohraneniya [«We will die not from the coronavirus, but from fear and destroyed healthcare.»] // Svobodnaya pressa, 30 marta 2020. URL: <https://svpressa.ru/health/article/261094/> (data obrashcheniya: 20.05.2020).
8. *Niyazova I.M.* Professional'nye standarty kak instrument povysheniya effektivnosti upravleniya personalom v medicinskih uchrezhdeniyah [Professional standards as a tool to improve the efficiency of personnel management in medical institutions.] // Menedzher zdravoohraneniya [Healthcare manager]. 2019. № 10. S. 31–36.
9. *Skvorcova V.I.* 85 proekcij nacproekta «Zdravoohranenie» [85 projections of the national project «Health Care»] // Gajdarovskij forum (g. Moskow, 15.01.2019) URL: <https://youtu.be/k6aTEA0DZCc> (data obrashcheniya: 20.05.2020).
10. *Soldatova S.S., Pivkina K.R.* Ekonomicheskie posledstviya pandemii «COVID-19» dlya Rossii [«The economic consequences of the Covid-19 pandemic for Russia.»] / StudNet. 2020. № 2. S. 260–265.
11. *Starodubov V.I., Kadyrov F.N., Obuhova O.V.* i dr. Analiticheskiy doklad Central'nogo nauchno-issledovatel'skogo instituta organizacii i informatizacii zdravoohraneniya Ministerstva zdravoohraneniya Rossijskoj Federacii «Vliyanie koronavirusa covid-19 na situaciyu v rossijskom zdravoohranenii». Versiya 1.0 (po sostoyaniyu na 26.04.2020g.) [Analytical report of the Central Institute for Organization and Informatization of Health of the Ministry of Health of the Russian Federation «The effect of coronavirus «covid-19» on the situation in Russian health care version 1.0 (as of 04/26/2020.)] URL: https://mednet.ru/images/materials/news/doklad_cniioiz_po_COVID-19-2020_04_26.

EVALUATION OF VOLUMES OF AGRARIAN PRODUCTION DEPENDING ON THE STRUCTURE OF RESOURCE COSTS

© 2020 **Potapov Andrey Pavlovich**

Candidate of Economic Sciences, Associate Professor, Leading Researcher
Institute of Agrarian Problems of Russian Academy of Sciences, Saratov, Russia

E-mail: apotapov@mail.ru

ORCID: 0000-0002-8327-4060

The calculations of the structure of resource costs of agricultural production are made. Using the method of constructing the production function, the degree of influence of changes in the volume of resource costs on the production output is studied. The forecasts of gross output of agriculture depending on the cost structure of the main production resources are presented.

Keywords: resource potential, agrarian production, cost structure, production function, forecasting

References

1. *Andryuschenko S.A., Vasilchenko M. Ya.* The methodology of the input-output balance in the strategic management of the production potential of the agricultural sector of Russia // *Agricultural scientific journal*. 2015. No. 8.— P. 68–74.
2. National report on the progress and results of the implementation in 2018 of the State Program for the Development of Agriculture and Regulation of Agricultural Products, Raw Materials and Food Markets / Ministry of Agriculture of the Russian Federation.— M., 2019.— 180 p.— P. 92.
3. *Potapov A. P.* Assessment of the dynamics of resource costs and resource intensity of agrarian production in Russia // *Agricultural scientific journal*. 2018. No. 5.— P. 85–91.
4. *Potapov A. P.* Balanced economic mechanisms of growth of efficiency of using the resource potential of agrarian production // *Regional agricultural systems: Economics and sociology*. 2019. No. 3.— URL: <http://www.iagpran.ru/journal.php?tid=764>.
5. *Russia in Figures: Statistical Handbook / Rosstat*. M., 2020. 550 p.— P. 359–361.
6. Federal State Statistics Service — URL: <https://www.gks.ru/accounts>.
7. National Input-Output Tables, Released November 2016.— URL: http://www.wiod.org/new_site/database/niots.htm.

HUMAN RESOURCES FOR THE DIGITAL ECONOMY. DIGITALIZATION OF EDUCATION. DIGITAL LITERACY

© 2020 **Strokov Aleksey Aleksandrovich**

Senior teacher-methodologist of the department of methodological support
of the educational process of the educational department

Nizhny Novgorod Academy of the Ministry of Internal Affairs of Russia, Nizhny Novgorod, Russia

E-mail: strokoff@list.ru

The article analyzes the issues of improving the system of higher education and training for the digital economy of the Russian Federation.

Keywords: education system, digital economy, competent personnel, digitalization of education, digital competences, digital literacy.

PLANNING THE EFFICIENT OPERATION OF A THERMAL POWER PLANT

© 2020 **Sukhareva Evgeniya Viktorovna**

PhD in economics, Associate professor of Department economics in energy and industry

National Research University «MPEI», Moscow, Russia

E-mail: sukharevayevv@mpei.ru

The article presents an overview of technical and economic criteria for the efficiency of the CHP. The influence of competitive energy markets on the operation of thermal power plants is considered. The relationship between the CHPP and the generating company is described. Scenarios for planning the operation of a thermal power plant have been formed.

Keywords: efficiency of the CHPP, planning to operate, criteria of efficiency, competitive energy markets, operation of CHP.

References

1. GOST R ISO 9000–2015 of the quality management System
2. *Burov, V.D.* Thermal power stations: textbook for universities. / V.D. Burov, E.V. Dorokhov, D.P. Elizarov, and others; ed. V.M. Lavygin, A.S. Sedlov, S.V. Tsanev. — 3rd ed., stereot. — Moscow: publishing house of MEI, 2009. — 466 p.
3. *Sokolov, E.Y.* district Heating and heat networks: Textbook for universities. — 7th ed. Stereot / E. Ya. Sokolov-M.: publishing house of MEI, 2001. — 472s.
4. *Arakelyan, E.K.* Method of multi-criteria optimization of coverage of daily schedules of electric load taking into account real dynamic characteristics of TPP equipment/ E.K. Arakelyan, S.A. Minasyan, G. E. agababyan // Proceedings of the international scientific conference, SOTTROL-2005, — M.: Izd. MEI, 2005.
5. *Sukhareva, E.V.* Improving the methodology of technical and economic justification of the choice of the main power equipment for a gas turbine power plant/ E.V. Sukhareva, E.M. Lisin, I.I. Komarov, G.N. Kurdyukova // Economics and entrepreneurship. — 2015. — no. 8, part 1. — P. 716–722.
6. *Sukhareva, E.V.* Mechanism of planning of production and economic activity of a thermal power plant in the conditions of competitive energy markets: dis. kand. Econ. Sciences: 08.00.05 / Sukhareva, Evgeniya Viktorovna. Moscow, 2017, 200 p.
7. *Gitelman, L.D.* Energy business: textbook / L.D. Gitelman, B.E. Ratnikov. — M.: Delo, 2006. — 600 p.

OPEN INNOVATION MODEL POTENTIAL AND ITS USE

© 2020 **Udaltsova Natalia Leonidovna**

PhD in Economics, Associate Professor at the Department of Management and Innovation
Financial University under the Government of the Russian Federation, Russia, Moscow
E-mail: udaltsova.nl@yandex.ru

The article examines and explores the model of «open innovation». The author highlights the main advantages of the «open innovation» model and the disadvantages of the «closed innovation» model. The main risks of the «open innovation» model are identified and the main factors that have determined the development and relevance of this model are analyzed.

Keywords: open innovation, innovation, technological development

MODEL OF INFLUENCE OF THE INVESTMENT STRUCTURE ON THE RESULTS OF CONSTRUCTION ACTIVITY

© 2020 **Yu Jinchun**

Postgraduate student, Enterprises and industrial complexes economy and management department
St. Petersburg State University of Economics, St. Petersburg, Russia
E-mail: may_9171@mail.ru

The article identifies the features of foreign direct investment in the construction sector of Russia. The dynamics and structure of foreign direct investment in the construction sector of Russia are analyzed. A model of the dependence of the influence of the investment structure on the results of construction activities is revealed.

Keywords: foreign direct investment, construction, dynamics, structure

FINANCE, MONEY CIRCULATION AND CREDIT

DETERMINATION OF INDUSTRIAL FACTORS OF PUBLIC-PRIVATE PARTNERSHIP DEVELOPMENT

© 2020 **Khrustova Liubov Evgenievna**

Candidate of Economics, Head Teacher of Department of Corporate Finance and Corporate Governance
Financial University under the Government of the Russian Federation, Moscow, Russia

E-mail: LEHrustova@fa.ru

© 2020 **Pukhova Marina Mikhailovna**

PhD in Economics, Associate Professor

Department of Corporate Finance and Corporate Governance

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

E-mail: MPuhova@fa.ru

The practice of public-private partnerships (PPPs) identifies industries with the highest performance of realizing PPP projects. This trend allows us to talk about the existence of some industry characteristics that determine the preference for using the PPP mechanism in specific areas. The aim of the study was to identify and classify the factors of industrial PPP development.

Keywords: public-private partnership, PPP, industrial aspect, PPP projects, PPP factors, factors' classification

References

1. Agazarjan N. V. Analiz mirovogo opyta primeneniya mehanizma gosudarstvenno-chastnogo partnerstva [Analysis of world experience in applying the mechanism of public-private partnership] // Gosudarstvenno-chastnoe partnerstvo. — 2016. — T. 3. — № 2. — pp. 151–172.
2. Breusova A. G. Ocenka institucional'noj sredy razvitiya gosudarstvenno-chastnogo partnerstva v ramkah realizacii klasternyh proektov [Assessment of the institutional environment for the development of public-private partnerships in the framework of cluster projects] // Vestnik Omskogo universiteta. Seriya «Ekonomika». — 2018. — № . 3. — pp. 173–184.
3. Gal'cheva Anna. Eksperty otsenili ushcherb dlya gosudarstvenno-chastnykh proektov iz-za virusa [Experts Assessed Virus Damage to Public-Private Projects]. / Novostnoy portal RBC. [Electronic resource]. Access mode: <https://www.rbc.ru/economics/25/03/2020/5e79ec309a79474781fd0af3>.
4. Gosudarstvenno-chastnoe partnerstvo: zarubezhnyy opyt proektnogo finansirovaniya: sbornik statey. Vyp. 2 [Public-private partnership: foreign experience in project financing: collection of articles. Issue 2] / I. A. Nikonovoy, I. Z. Yaryginoy. — Moscow: KNORUS, 2018—268 p.
5. Murav'ev N. V. Vnutrennie i vneshnie faktory razvitiya gosudarstvenno-chastnogo partnerstva v Rossii [Internal and external factors in the development of public-private partnerships in Russia] // Izvestiya Saratovskogo universiteta. Novaya seriya. Seriya Ekonomika. Upravlenie. Pravo. — 2012. — T. 12. — № . 1. — pp. 27–32.
6. Rukovodstvo APMG po sertifikatsii v oblasti gosudarstvenno-chastnogo partnerstva (GChP) [APMG Public Private Partnership (PPP) Certification Guide] / ADB, EBRD, IDB, IsDB, MIF, PPIAF and WBG, 2016. — 178 p.
7. Savrukov A.N., Savrukov N. T., Kozlovskaya E. A. K voprosu o faktorakh i usloviyakh realizatsii proektov gosudarstvenno-chastnogo partnerstva [To the question of factors and conditions for the implementation of public-private partnership projects] // Finansy i kredit. — 2019. — T. 25, № 12. — pp. 2831–2842.
8. Sazonov V. E. Preimushchestva, nedostatki i riski gosudarstvenno-chastnogo partnerstva [Advantages, disadvantages and risks of public-private partnerships] // Vestnik Rossiyskogo universiteta druzhby narodov. Seriya: Yuridicheskie nauki. — 2012. — № . 3. — pp. 99–108.
9. Fedorova E. A., Dovzhenko S. E., Gurina V. A. Analiz faktorov, vliyayushchikh na effektivnost' razvitiya gosudarstvenno-chastnogo partnerstva v Rossii [Analysis of factors affecting the effectiveness of public-private partnerships in Russia] // Daydzhest-finansy.. — 2013. — № . 5. — pp. 39–52.
10. Market Update. Review of the European PPP Market in 2019 / European PPP Expertise Centre. European Investment bank, 03/2020. — 14 p.
11. Osei-Kyei R., Chan A. P. C. Review of studies on the Critical Success Factors for Public-Private Partnership (PPP) projects from 1990 to 2013 // International journal of project management. — 2015. — T. 33. — № . 6. — pp. 1335–1346.

BOOK KEEPING, STATISTICS

THE ROLE OF NON-FINANCIAL REPORTING IN IMPROVING COMPANY'S IMAGE© 2020 **Basova Maria Mikhailovna**

Candidate of science in economics,
Associate Professor Department of accounting, analysis and audit
Financial University under the Government of the Russian Federation, Moscow, Russia

The article shows the role of the category «non-financial reporting of the organization» for the formation of a positive image in the minds of stakeholders. On the example of non-financial reporting «at the height of capabilities» Aeroflot group shows the mechanism for assessing the image of the organization by different groups of stakeholders, indicating the compliance of the elements of the company's image to the reporting sections.

Keywords: Image of the organization; non-financial reporting of the organization; stakeholders; brand; consumer loyalty index; structure of the company's image; elements of the company's image.

THE ROLE AND IMPORTANCE OF CONTROL OF THE MOVEMENT OF FIXED ASSETS IN GOVERNMENT AGENCIES© 2020 **Petrov A. M.**

Doctor of Economic Sciences, Professor of the Accounting, Analysis and Audit Department
Financial University under the Government of the Russian Federation, Moscow, Russia
E-mail: palmi@inbox.ru

Control is a system of measures that allows to identify shortcomings in the work of divisions and reasons for their formation in a timely manner, as well as to motivate employees of the enterprise to perform their duties in good faith. In addition, due to internal control, shortcomings, hidden reserves and risks to which the enterprise is exposed are identified in a timely manner, and on the basis of the conclusions received, the necessary measures are taken to improve the activities and limit the risks of the activities of State unitary enterprises.

Keywords: tasks, tools, control, crisis situations, mechanisms, approaches, projects, expenditures, implementation, funds, finance, economic information, efficiency.

PLANNING OF COST OF SERVICES IN THE HOUSING AND COMMUNAL INDUSTRY IN THE CONDITIONS OF INCREASED READINESS© 2020 **Shlychkov Dmitry Sergeevich**

PhD in Economics, Associate Professor, Department of Accounting, Analysis and Audit
Financial University under the Government of the Russian Federation, Moscow, Russia
E-mail: sds457@mail.ru

The calculation of the cost of goods (works, services) is one of the important strategic areas in the financial and production activities of an economic entity. In a number of sectors of the economy, the definition of cost is strictly correlated with the production process and the norms of consumption of resources for production. Calculation of services is a more flexible process, while the formation of the cost

of services can be affected by an external factor — the cost of services in the market for similar services from competitors. The article considers the formation of the cost of services in the housing and communal sector of the economy. The process of calculation and calculation in particular housing services is defined in three stages: planning, budgeting, calculation, which determined the main result of the study. In addition, the above steps were applicable in the construction of the Porter value chain.

Keywords: planning, budgeting, calculation, housing service, value chain.

References

1. Decree of the Government of the Russian Federation of 04.03.2013 No. 290 (as amended on 12/15/2018) «On the minimum list of services and work necessary to ensure the proper maintenance of common property in an apartment building, and the procedure for their provision and implementation» (together with the «Rules the provision of services and the performance of work necessary to ensure the proper maintenance of common property in an apartment building») (together with the «Rules the provision of services and the performance of work necessary to ensure the proper maintenance of common property in an apartment building»)
2. *Korobko V.I.* The economy of an apartment building: textbook. manual for university students enrolled in the field of «Organization Management», «State and Municipal Administration» / V.I. Korobko.— M.: UNITY-DANA, 2015.— 303 p.
3. *Nikolaeva O.E., Alekseeva O. V.* Strategic management accounting.— M.: URSS Editorial, 2003.— 304 p.
4. *Ryan B.* Strategic accounting for the head / TRANS. from English under the editorship of V. A. Mikryukova. -: Audit, UNITY, 1998.— 616 p.
5. Management accounting: official CIMA terminology / Per. from English O.E. Nikolaeva, T.V. Shishkova.— M.: Publishing House FKB-PRESS, 2004.— 200 p.

MODELING AND SYSTEM APPROACH TO THE PROBLEM OF CORRUPTION IN STATE AUTHORITIES

© 2020 **Yurchenko Kristina Alekseevna**

Assurance Department, staff

Ernst&Young LLC, Moscow, Russia

E-mail: gabikris@mail.ru

In the article, the main provisions of the theory of systems are examined step by step, their practical interpretation is provided with a focus on the anti-corruption system in the Russian government; the methodology of system research is identified, the procedures of system analysis are described, the topic of systems modeling is described, the root cause of the problem is justified, the composition of the external environment of the system is determined, the Black Box model is compiled, the structure model of the system is studied, the main stakeholders are identified and the goals they pursue are described This system also offers solutions to the problem and describes the constraints that contribute to each solution, formed a tree of goals for the selected solution; quantitative indicators of the state of the system are identified by which you can track the status of the solution to the problem.

Keywords: state institutions, corruption, system of government bodies, system analysis, black box model, composition and structure model, global corruption barometer, goal tree, modeling

WORLD ECONOMY

ANALYSIS OF COMPETITIVE POTENTIAL OF SWEDISH KRONA IN THE GLOBAL MONETARY AND FINANCIAL SYSTEM

© 2020 **Alekseev Petr Viktorovich**

PhD in Economics, Leading Researcher

Institute for the Global Economy and International Finance

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

Currently, the Swedish krona is one of the least stable leading currencies in the global monetary and financial system, prone to steady devaluation, due to the gradual deterioration of the socio-economic situation in Sweden in recent decades. The article indicates that the coronavirus pandemic that began in 2019 can become an additional factor in the depreciation of the Swedish krona. In this regard, further weakening of the competitive position of the Swedish krona in the global monetary and financial system (IMFS) is expected as a result of a number of identified subjective and objective factors.

Keywords: global monetary and financial system, Sweden, Swedish krona, competition of currencies, inflation targeting.

References

1. Annual Report on Exchange Arrangements and Exchange Restrictions 2018. S. 7. URL: <https://www.imf.org/en/Publications/Annual-Report-on-Exchange-Arrangements-and-Exchange-Restrictions/Issues/2019/04/24/Annual-Report-on-Exchange-Arrangements-and-Exchange-Restrictions-2018-46162>. Data obrashhenija: 15.06.2020.
2. Rejting informacionno-analiticheskogo izdanija «Banki segodnja» «TOP-10 samyh stabil'nyh valjut v mire». <https://bankstoday.net/last-articles/top-10-samyh-stabilnyh-valjut-v-mire>. Data obrashhenija: 15.06.2020.
3. Triennial Central Bank Survey. Foreign Exchange Turnover in April 2019. P.11. Basel, BIS, 16 September 2019. URL: <https://www.bis.org/statistics/rpfx19.htm>. Data obrashhenija: 15.06.2020.
4. Minfin Shvecii: razmer padenija VVP iz-za krizisa zavisit ot struktury jekonomik stran. URL: <https://tass.ru/ekonomika/8567425>. Data obrashhenija: 15.06.2020.
5. URL: <https://www.bankofengland.co.uk/boeapps/database/fromshowcolumns.asp?Travel=NIxAZxRSxSUX&FromSeries=1&ToSeries=50&DAT=RNG&FD=1&FM=Jan&FY=2007&TD=31&TM=Dec&TY=2010&FNY=&CSVF=TT&html.x=135&html.y=40&C=ECY&Filter=N>. Data obrashhenija: 15.06.2020.
6. URL: https://www.ecb.europa.eu/stats/policy_and_exchange_rates/euro_reference_exchange_rates/html/eurofxref-graph-sek.en.html. Data obrashhenija: 15.06.2020.
7. Free fall of Swedish Krona comparable to a country suffering a coup d'etat. <https://www.sott.net/article/411538-Free-fall-of-Swedish-Krona-comparable-to-a-country-suffering-a-coup-d-etat>. Data obrashhenija: 15.06.2020.

TRADING ROBOT BASED ON THE RELATIVE STRENGTH INDEX (RSI) INDICATOR

© 2020 **Papusha Sofya Ilyinichna**

Department of Data Analysis, Decision Making and Financial Technology

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

E-Mail: sofia.papusha@gmail.com

ORCID: <https://orcid.org/0000-0002-5871-1230>

The financial market allows you to work with a large number of indicators and trading robots based on these indicators. The RSI index was developed in 1978 and shows the strength of the trend and the likelihood of a change. Most robots based on the RSI indicator do not have constant profitability and depend on certain market situations — the so-called overbought and oversold zones. Moreover, outside

these zones, these robots do not make any transactions if their algorithm relies only on this indicator. Thus, these robots give any profitability only on large samples, when the indicator in principle enters overbought or oversold zones. Outside of these zones, these robots do not give any recommendations or make transactions. In a small time period, such a robot will be meaningless. The aim of the work was to create a robot that is able to make transactions outside these zones with a profit exceeding inflation and the Central Bank rate on deposits. A robot was developed and tested that allows not only to take into account overbought and oversold zones, but also to give recommendations on the purchase and sale of shares outside these zones. The algorithm of the robot is as follows: when leaving the oversold or overbought zone, the robot buys or sells the maximum number of shares, respectively. For correct robots, you should test the robot on a large sample to set the correct input data, on which it will subsequently work. Test and control samples are also presented, with the help of which the expediency of using such a robot was found out. The robot still has several disadvantages: a test sample is required for operation, while the assumption that the control sample will also behave and the values that give profit on the test sample will give profit on the control one is not always true.

Keywords: indicators, RSI index, trading robots, financial market, trend, oscillator, arbitrage, trading in financial markets, trader.