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CONTENTS

ECONOMIC THEORY	324
Lyubofeev V. D. Audit Expectation Gap: Definition, Components, and Remediation Approaches.	325
Lyudvig L. P., Medvedeva D. E. Cyber risks as a systemic threat to economic sovereignty.....	328
Voronin V. O. Development of a citizen assessment system for social sector organizations based on international and corporate experience: The Human-Centricity Index as a tool for transforming economic behavior.....	329
REGIONAL AND SECTORAL ECONOMY	331
Charyeva M. O. HoReCa Trends 2026: how the economy of the restaurant and hotel business is changing.....	331
Chugaeva Yu. A. Formation of a Set of Benchmark Oil Grades as a Tool for Restructuring the Oil Trading System.....	333
Chugurova T. V., Churakova E. N. On the issue of the concept of a legal conflict.....	334
Kuchina O. V., Vorobyev N. A. Social Aspects of Regional Development in Russia.....	335
Lavrukhin V. S., Stepenko M. V., Kozlova M. N. Financial and tax accounting for digital products in an IT holding company: a revenue recognition and risk management model based on the case of T1.....	338
Litvinenko I. L. A Model of Innovation and Investment Management for Regional Development Based on Cognitive Modeling Methods.....	340
Pastukhova M. M. Price and non-price competition in economic strategies of Russian business: analysis and five-year forecast.....	342
Rybakov A. A., Leonov P. Yu. Indicator-Based Approach to Assessing Virtual Asset Risks in the State Economic Security System	343
Shindina Yu. A., Shepeleva S. V. The problem of overtourism in Russia: causes and directions of regulation.....	346
Slesareva D. A., Yampolskaya N. Yu. Principles for establishing an effective internal control system and a methodology for adapting it to small enterprises	348
Smirnov D. Yu., Trushkina I. R., Shulyak S. A. Digital Transformation in Logistics: Trends and Challenges.....	349

Yashina V. D., Kruglov I. A., Ponachugin A. V. Economic evaluation of architectural methods for data integration in digital twins.....	351
Zakharova E. N., Bobkov A. V. Fraud as a threat to the economic security of the Russian Federation.....	353
Zangaraev A. R., Neudobnova Yu. S., Yanglicheva Yu. R. “Green bonds” as a mechanism for attracting private capital to environmental projects: barriers and prospects under sanctions restrictions	354
Zotova E. A., Moskvicheva E. V., Kadenets K. V., Sedyakina A. A. Game mechanics as a tool for managing employee engagement and reducing turnover	356
Zotova E. A., Moskvicheva E. V., Lyamin B. M., Urusov A. D. Service quality management as a factor of increasing the competitiveness of an enterprise in the context of the transformation of the consumer market	358
FINANCE	360
Medvedev D. V. PPP financing mechanism in regional social infrastructure: methods and tools..	360
Minasyan G. S. Risk matrix of wholesale trade enterprises and recommendations for taking risks into account in financial strategy formation.....	361
Pyshkin A. N. Institutional foundations of targeted microfinance for SMEs: functional systems principles and characteristics	363
Ryabov O. V., Bendak A. D. Adaptation of the income approach to valuing B2B digital assets based on operating and web analytics metrics	365
WORLD ECONOMY	368
Amanturova D. K. Modernization of the migration policy of the Kyrgyz Republic in view of the needs of regional labor markets	368
Ivanova N. I., Vasina D. I. The Role of International Institutions in the Development of the Trade Conflict between the United States and China	370
Nefedov D. A., Afanasyeva O. N. Digitalization as a driver of growth in the penetration of credit products among the population in the global financial market	372
Piskunov D. A. U.S.–China competition: from economic cooperation to techno-economic decoupling	374
Zhou Xingbo, Likhachev M. O. The Role of BRICS in the Global Economy: How the Association Affects International Investment	376

MANAGEMENT

378

Barsukov A. P. Formation of the strategic role of an entrepreneur in terms of delegation of operational management	378
Barsukov A. P. Strategic model for identifying business scaling points under conditions of structural transformation of the economic environment.....	379
Gegechkori G. G., Burova N. V. Algorithm for improving the efficiency of managing an organization's operational logistics activities	382
Menelyuk M. A., Rogatnykh E. B. Export Positioning of Russian Soft Drink Producers: Dynamics, Product Structure and Destination Geography	384
Nazarenko A. V., Banduryan A. S. Digital transformation of corporate governance: factors, trends, risks	386
Okhtova I. M. Institutional Factors in the Formation of Multicareer Strategies for Student Youth in Modern Conditions	388

ECONOMIC THEORY

Audit Expectation Gap: Definition, Components, and Remediation Approaches

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Keywords: information asymmetry, audit services, international standards on auditing, gap in public knowledge about auditing, gap in audit quality, gap in audit development, gap in expectations in the audit market, gap in retrospect, principal-agent problem.

This paper investigates the key conceptual frameworks for defining the nature and structuring of the audit expectations gap within the audit services market, along with the approaches to mitigating it that are currently under discussion in both professional and scholarly communities. The study finds that, although the expectations gap has been a longstanding issue for over fifty years, it remains unresolved despite ongoing efforts and, in principle, cannot be completely closed. There is broad consensus that the practical goal is to reduce the gap as much as feasible while maintaining an appropriate balance between costs and benefits. Accordingly, new initiatives for narrowing the expectations gap are continually being proposed, with some already having been adopted or scheduled for prospective roll-out. Reducing the expectations gap enhances the value proposition of the audit, reinforces trust in the financial markets, and fosters accelerated economic growth

References

1. 701 «Informirovanie o klyuchevy'h voprosah audita v auditorskom zaklyuchenii» M. standart audita.
2. A History of Auditing: The Changing Audit Process in Britain from the Nineteenth Century to the Present Day / ed. by D. Matthews. – 2006.
3. Akerlof, J. The market for “lemons”: quality uncertainty and the market mechanism / Institute for Humanitarian Historical, Theoretical Research named after A. V. Poletaev (IGITI), National Research University Higher School of Economics. – URL: https://igiti.hse.ru/data/413/313/1234/5_1_4Aker1.pdf (visited on 10/16/2024).
4. American Institute of Certified Public Accountants. The Commission on Auditors' Responsibilities: Report, Conclusion and Recommendations (Cohen Commission Report) / American Institute of Certified Public Accountants. – 1978.
5. AS 1000: General Responsibilities of the Auditor in Conducting an Audit / Public Company Accounting Oversight Board. – URL: <https://pcaobus.org/oversight/standards/auditing-standards/details/as-1000--general-responsibilities-of-the-auditor-in-conducting-an-audit#objective> (visited on 06/15/2025).
6. Auditors' Liability and Its Impact on the European Financial Markets / W. Doralt [et al.] // Cambridge Law Journal. – 2008. – Vol. 67, no. 1. – P. 62–68. – URL: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=1293244 (visited on 10/31/2024).

7. Banishing Bias? Audit, Objectivity and the Value of Professional Scepticism / ACCA Global. – URL: <https://www.accaglobal.com/gb/en/technical-activities/technical-resources-search/2017/may/banishing-bias.html> (visited on 10/03/2025).
8. BHS. – URL: <http://www.publications.parliament.uk/pa/cm201617/cmselect/cmworpen/54/54.pdf> (visited on 10/15/2025).
9. Carillion. – URL: <https://publications.parliament.uk/pa/cm201719/cmselect/cmworpen/769/769.pdf> (visited on 10/15/2025).
10. China fines PwC and suspends operations for six months over Evergrande: news story / ProFinance.Ru. – 2024. – URL: <https://www.profinance.ru/news/2024/09/13/cdgv-kitaj-oshtrafoval-pwc-i-priostanovil-deyatelnost-na-shest-mesyatsev-iz-za-evergr.html> (visited on 10/15/2026).
11. Closing the Expectation Gap in Audit / ACCA. – URL: https://www.accaglobal.com/content/dam/ACCA_Global/professional-insights/Expectation-gap/pi-closing-expectation-gap-audit.pdf (visited on 06/21/2025).
12. Developments in Audit 2018 / Financial Reporting Council. – URL: https://media.frc.org.uk/documents/Developments_in_Audit_2018.pdf (visited on 05/15/2025).
13. Global Impact Map: Adoption Status / IFAC. – URL: <https://www.ifac.org/what-we-do/global-impact-map/adoption-status> (visited on 11/20/2025).
14. International Standard on Auditing 200 “The main objectives of the independent auditor and the conduct of an audit in accordance with international auditing standards”.
15. Investors complained to Nabiullina about “inadequate” audit in the largest default of the year / Audit-it.ru. – URL: <https://www.audit-it.ru/news/audit/1123398.html> (visited on 06/20/2024).
16. Jensen M. C., Meckling W. H. Theory of the Firm: Managerial Behavior, Agency Costs and Ownership Structure // Journal of Financial Economics. – 1976. – URL: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=94043 (visited on 10/09/2024).
17. Kahneman D. Thinking, Fast and Slow. – New York : Farrar, Straus, Giroux, 2011.
18. Latest FRC Audit Inspections / Financial Reporting Council. – URL: <https://www.frc.org.uk/news-and-events/news/2019/07/latest-frc-audit-inspections/> (visited on 05/14/2025).
19. Liggio C. D. The Expectation Gap: The Accountant’s Waterloo // Journal of Contemporary Business. – 1974. – Vol. 3, Issue 3. – P. 27–44.
20. List of cases of mandatory audit of accounting (financial) statements for 2025 (according to the legislation of the Russian Federation) / Ministry of Finance of the Russian Federation. – URL: https://minfin.gov.ru/ru/document?id_4=126466-perechen_sluchaev_provedeniya_obyazatel'nogo_audita_bukhgalterskoi_finansovoi_otchetnosti_za_2025_god_soglasno_zakonodatelstvu_rossiiskoi_federatsii (visited on 06/16/2026).
21. Ob isklyuchenii svedeniy ob OOO «Gruppa Finansy» iz reestra auditorskih organizatsij o. a. u. o. z. o. n. f. r. / Bank of Russia. – URL: https://cbr.ru/rbr/rbr_fr/doc?id=47501 (visited on 09/20/2025).
22. Occupational Fraud 2024: A Report to the Nations / Association of Certified Fraud Examiners (ACFE). – URL: <https://www.acfe.com/-/media/files/acfe/pdfs/rtnn/2024/2024-report-to-the-nations.pdf> (visited on 10/09/2025).
23. Porter M. E. Capital Disadvantage: America’s Failing Capital Investment System / Harvard Business Review. – 1992. – URL: <https://hbr.org/1992/09/capital-disadvantage-americas-failing-capital-investment-system> (visited on 10/10/2025).
24. Report of the Commission on the Study of Users’ Expectations Regarding Audit Results. – 1988. – P. 6–7.
25. Response by ACCA to Independent Review into the quality and effectiveness of audit / GOV.UK. – URL: <https://www.gov.uk/government/consultations/the-quality-and-effectiveness-of-audit-call-for-views> (visited on 07/15/2025).
26. Response by BDO to Independent Review into the quality and effectiveness of audit / GOV.UK. – URL: <https://www.gov.uk/government/consultations/the-quality-and-effectiveness-of-audit-call-for-views> (visited on 07/15/2025).

27. Response by Deloitte to Independent Review into the quality and effectiveness of audit / GOV.UK. – URL: <https://www.gov.uk/government/consultations/the-quality-and-effectiveness-of-audit-call-for-views> (visited on 09/15/2025).
28. Response by Halex Consulting to Independent Review into the quality and effectiveness of audit / GOV.UK. – URL: <https://www.gov.uk/government/consultations/the-quality-and-effectiveness-of-audit-call-for-views> (visited on 07/15/2025).
29. Response by Investment Association to Independent Review into the quality and effectiveness of audit / GOV.UK. – URL: <https://www.gov.uk/government/consultations/the-quality-and-effectiveness-of-audit-call-for-views> (visited on 07/15/2025).
30. Response by London Stock Exchange Group to Independent Review into the quality and effectiveness of audit / GOV.UK. – URL: <https://www.gov.uk/government/publications/the-quality-and-effectiveness-of-audit-independent-review> (visited on 07/15/2025).
31. Response by PricewaterhouseCoopers LLP to Independent Review into the quality and effectiveness of audit / GOV.UK. – URL: <https://www.gov.uk/government/consultations/the-quality-and-effectiveness-of-audit-call-for-views> (visited on 07/15/2025).
32. Response by Sarasin & Partners to Independent Review into the quality and effectiveness of audit / GOV.UK. – URL: <https://www.gov.uk/government/consultations/the-quality-and-effectiveness-of-audit-call-for-views> (visited on 07/15/2025).
33. *Ruhnke K., Schmidt M.* The Audit Expectation Gap: Existence, Causes and the Impact of Changes // Accounting and Business Research. – 2014. – Vol. 44, issue 5. – P. 57–3.
34. Sarbanes-Oxley Act. – URL: <https://www.sarbanes-oxley-act.com> (visited on 06/02/2026).
35. SRO AAS indexed the auditor's recommended hourly rate by 14.7% – up to 3,900 rubles / Audit-it.ru. – URL: <https://www.audit-it.ru/news/audit/1132909.html> (visited on 06/22/2026).
36. SRO AAS will consider abandoning the compensation fund and transition to compulsory insurance of auditors / Audit-it.ru. – URL: <https://www.audit-it.ru/news/audit/1130150.html> (visited on 06/22/2026).
37. Statutory Audit Services Market Study / UK Government Publishing Service. – URL: https://assets.publishing.service.gov.uk/media/5c17cf2ae5274a4664fa777b/Audit_update_paper_S.pdf (visited on 02/12/2026).
38. *Stiglitz J. E., Weiss A.* Credit Rationing in Markets with Imperfect Information // The American Economic Review. – 1981. – Vol. 71, issue 3. – P. 393–410.
39. Summary of individual responses from 32,509 members of the public, surveyed by 38 Degrees / GOV.UK. – URL: <https://www.gov.uk/government/consultations/the-quality-and-effectiveness-of-audit-call-for-views> (visited on 06/10/2026).
40. *Taler R.* New behavioral economics. – Moscow : Bombora, 2024. – 576 p.
41. The Future of Auditing: Called to Account / The Economist. – 2004. – URL: <https://www.economist.com/special-report/2004/11/18/called-to-account> (visited on 01/14/2026).
42. Thinking Small First: Towards Better Auditing Standards for the Audits of Less Complex Entities / ACCA. – URL: <https://www.accaglobal.com/gb/en/professional-insights/global-profession/thinking-small-first.html> (visited on 04/22/2025).
43. *Wang J., Qiu Y., Wu X.* Professional liability insurance contracts for auditors: differential pricing and the audit quality effect // China Journal of Accounting Studies. – 2021. – Mar. – Vol. 8. – P. 331–348. – DOI: 10.1080/21697213.2020.1889775.

Cyber risks as a systemic threat to economic sovereignty

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Keywords: digitalization, cyber risks, economic consequences, information security, disinformation, digital economy, economic security, cyber resilience.

The article examines the transformation of cyber risks from an operational problem into a strategic threat to the economic security of the state. Based on the analysis of statistical data, stable trends in the evolution of cyber threats and their cascading impact on various sectors of the economy have been identified. The paper proposes a set of practical measures aimed at forming a cyber resilience system. It also proves the economic feasibility of the proposed measures in the context of preventing systemic crises

References

1. *Alekseev E. V.* Modeling the impact of cyber attacks on economic stability // Innovation and investment. – 2024. – No. 4. – P. 375–377.
2. Analysis of the Russian market for outsourcing accounting services: results for 2024, forecast until 2028. / NeoAnalytics, Research Store. – URL: <https://marketing.rbc.ru/articles/15879/> (visited on 04/15/2026).
3. *Andriyanova A.* Crime as a Service: How Hacking Became a Global Subscription Business / Computerra. – URL: <https://www.computerra.ru/317586/prestupnost-kak-usluga-kak-hakerstvo-prevratilos-v-globalnyj-biznes-po-podpiske/> (visited on 11/15/2025).
4. *Antropov K. Y.* Cybersecurity and preservation of digital sovereignty of the economy // Economic Security Bulletin. – 2021. – No. 5. – P. 268–273.
5. Cyber attacks on Russian companies in 2024 / Solar. – URL: <https://rt-solar.ru/analytics/reports/5320/> (visited on 04/15/2026).
6. *Halin V. G., Chernova G. V.* Digitalization and cyber risks // Management consulting. – 2023. – 7 (175). – P. 28–41.
7. *Kudina A. V., Lahtina E. P., Savin G. V.* Outsourcing in logistics // Russia: trends and development prospects. – 2021. – No. 16–1. – P. 366–368.

8. *Rozhkov R.* Blackmail and espionage: what cyber risks threaten businesses and users in 2025 / Forbes. – URL: <https://www.forbes.ru/tekhnologii/531090-santaz-i-spionaz-kakie-kiberriski-ugrozaut-biznesu-i-pol-zovatelam-v-2025-godu> (visited on 04/15/2026).
9. *Strunin D. A.* Cyber attacks and their impact on the digital economy // Young scientist. – 2023. – 5 (452). – P. 15–16.
10. *Vyatnika A., Osipova A.* Current cyber threats: Q1–Q2 2025 // Positive Technologies. –. – URL: <https://ptsecurity.com/research/analytics/aktual-nye-kiberugrozy-i-ii-kvartaly-2025-goda/#id1> (visited on 01/25/2026).

Development of a citizen assessment system for social sector organizations based on international and corporate experience: The Human-Centricity Index as a tool for transforming economic behavior.

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Keywords: human-centricity, citizen satisfaction, human-centricity index, expectation transfer effect, transaction costs, CSI, NPS, public administration.

The article examines the impact of the “expectation transfer effect” on transaction costs in the public sector. It substantiates the inefficiency of applying classical business metrics within state economic systems for the distribution of social services. The study develops and empirically verifies the Human-Centricity Index, which optimizes the allocation of public goods and identifies institutional barriers

References

1. *Abdeshov D. D., Kosumbaeva S. I., Salky'nbaeva F. D.* Human-centric model of human resource management // Bulletin of Science. – 2024. – 5 (74). – URL: <https://cyberleninka.ru/article/n/chelovekotsentrichnaya-model-upravleniya-chelovecheskimi-resursami> (visited on 03/10/2026).
2. *Aliiev I. M.* Innovative methods and practices of human resource management based on project management approaches // News of the St. Petersburg State Economic University. – 2023. – Vol. 144, no. 6–1. – P. 144–147.
3. *Belyaeva G. I., Hmeleva G. A.* The concept of human-centricity in regional economics // EPP. – 2025. – No. 4. – URL: <https://cyberleninka.ru/article/n/kontseptsiya-chelovekotsentrichnosti-v-regionalnoy-ekonomike> (visited on 03/10/2026).

4. *Bzhennikova D. G., SHHepakin M. B., Handamova E. F.* A human-centric resource is a driver of innovative changes in a mobilization economy // *Issues of innovative economics*. – 2023. – No. 1. – P. 381–404.
5. Decree of the Government of the Russian Federation of June 11, 2025 No. 882 “On conducting an experiment to introduce a system for citizens to evaluate the quality and conditions of service provision by social organizations using the federal state information system “Unified portal of state and municipal services (functions)” / *ConsultantPlus*. – URL: https://www.consultant.ru/document/cons_doc_LAW_507670/ (visited on 03/31/2026).
6. Decree of the President of the Russian Federation of July 21, 2020 No. 474 “On the national development goals of the Russian Federation for the period until 2030”.
7. *Gasarov E. A., Zolotarchuk A. V., Tumilevich E. N.* Formation of a human-centric economy in the context of the fourth industrial revolution // *Bulletin of PGU*. – 2024. – 4 (75). – URL: <https://cyberleninka.ru/article/n/formirovanie-chelovekotsentrichnoy-ekonomiki-v-usloviyah-chetvertoy-promyshlennoy-revolutsii> (visited on 03/10/2026).
8. *Golubyatnikov D. O.* Achieving human-centricity in Russian public policy // *Bulletin of the University of World Civilizations*. – 2024. – Vol. 15, 3(44). – P. 23–29.
9. *Hubaev G. S.* Human-centricity as a vector for the development of modern state and municipal management // *International Journal of Humanities and Sciences*. – 2024. – Vol. 96, no. 9–5. – P. 121–124.
10. *Izotova A. G., Rebrova O. S.* Development of a human-centric methodology for UX research of internal information products of the banking sector // *Economics and business: theory and practice*. – 2024. – 5–2 (111). – URL: <https://cyberleninka.ru/article/n/razrabotka-chelovekotsentrichnoy-metodiki-ux-issledovaniya-vnutrennih-informatsionnyh-produktov-bankovskogo-sektora> (visited on 03/10/2026).
11. *Kulakov M. O.* Identification and characterization of key factors influencing the organization’s management system // *Social and economic systems*. – 2024. – Vol. 61, no. 11. – P. 119–132.
12. *Lavrova A. P.* Basic methods for assessing customer satisfaction in modern conditions // *Humanities, socio-economic and social sciences*. – 2024. – No. 5. – URL: <https://cyberleninka.ru/article/n/osnovnye-metody-otsenki-udovletvorennosti-pokupateley-v-sovremennyh-usloviyah> (visited on 01/23/2026).
13. *Mie’rin’ L. A., Nasy’rova S. I.* Human-oriented economics: formulation of a research problem // *Economics and management*. – 2024. – No. 11. – URL: <https://cyberleninka.ru/article/n/chelovekoorientirovannaya-ekonomika-postanovka-issledovatel'skoy-problemy> (visited on 03/10/2026).
14. *Pavlova E. A., Sizova O. V.* Development of a methodology for assessing and predicting customer satisfaction using adaptive algorithms and system analysis // *News of Universities EFIUP*. – 2025. – 2 (64). – URL: <https://cyberleninka.ru/article/n/razrabotka-metodiki-otsenki-i-prognozirovaniya-klientskoy-udovletvorennosti-s-ispolzovaniem-adaptivnyh-algoritmov-i-sistemnogo> (visited on 01/23/2026).
15. *SHushunova T. N.* Reducing the risks of systemic imbalance in the labor market using digital technologies // *Economic security*. – 2024. – Vol. 7, no. 10. – P. 2617–2630.
16. *Solov’ev V. A.* People-centricity in public management: scientific discourse and modern Russian practices // *Issues of state and municipal administration*. – 2025. – No. 4. – URL: <https://cyberleninka.ru/article/n/chelovekotsentrichnost-v-publichnom-upravlenii-nauchnyy-diskurs-i-sovremennye-rossiyskie-praktiki> (visited on 03/10/2026).

REGIONAL AND SECTORAL ECONOMY

HoReCa Trends 2026: how the economy of the restaurant and hotel business is changing

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Keywords: HoReCa, restaurant market, restaurant market trends, staff shortage, cost growth, functional nutrition, GLP-1 agonists, artificial intelligence in catering.

The article examines the key trends determining the development of the hospitality and catering industry (HoReCa) in 2026. The theoretical basis of the research is modern approaches to the analysis of consumer and socio-economic changes. Special attention is paid to the impact of the macroeconomic environment, characterized by high uncertainty, labor shortages, rising costs and the transformation of the competitive field under the influence of the development of the ready-to-eat market. Among the socio-cultural factors, the development of healthy lifestyle practices, individualization of consumption, the growing importance of convenience and the economy of impressions, as well as the strengthening of the role of communities as a factor of loyalty formation are analyzed. Technological trends related to automation, artificial intelligence and the use of data in the management of the restaurant business are considered separately. It is concluded that the current HoReCa trends should be considered as interrelated adaptation mechanisms of the industry in the context of long-term economic and social transformation

References

1. "2026 will be a test for many": what awaits Russian restaurants / RBC. – URL: <https://www.rbc.ru/wine/news/694290b09a794758c4c20a66> (visited on 06/04/2026).
2. "And there will be no more cheerful hipsters!" People are starting to drink significantly less in bars and restaurants - how is this changing the industry? / Dog.ru. – URL: <https://www.sobaka.ru/bars/trends/212495> (visited on 06/04/2026).
3. "VkusVill" presented a forecast of food trends for 2026 / Sostav.ru. – URL: <https://www.sostav.ru/publication/vkusvill-predstavil-prognoz-fud-trendov-2026-goda-80334.html> (visited on 06/04/2026).
4. 7 Big Food Trends of 2026, According to Our MICHELIN Guide Inspectors / MICHELIN Guide. – URL: <https://guide.michelin.com/at/en/manual/travel/top-food-trends-2026-michelin-guide-inspectors> (visited on 06/04/2026).
5. Baum+Whiteman. 23rd Annual Restaurant and Food Trends Report (2026) / baumwhiteman.com. – URL: <https://www.baumwhiteman.com/trend-reports> (visited on 06/04/2026).

6. *Fram-Schwartz N.* The Top 17 Restaurant Trends of 2026 / Glimpse. – URL: <https://meetglimpse.com/trends/restaurant-trends> (visited on 06/04/2026).
7. *Gazgireeva L. H.* Main trends in tourism and hospitality industry: analytics, problems and prospects for 2026 // Modern problems of service and tourism. – 2025. – Vol. 19, no. 2. – P. 100–111. – DOI: [10.5281/zenodo.17470648](https://doi.org/10.5281/zenodo.17470648).
8. Glitchy Glam | Pinterest Predicts™ 2026 / Pinterest. – URL: <https://business.pinterest.com/ru/pinterest-predicts/2026/glitchy-glam> (visited on 06/04/2026).
9. Google. Year in Search 2025 / trends.withgoogle.com. – 2025. – URL: <https://trends.withgoogle.com/ru/year-in-search/2025> (visited on 06/04/2026).
10. Growth point. Who will go to restaurants in 2026 / Kommersant. – URL: <https://www.kommersant.ru/doc/8495934> (visited on 06/04/2026).
11. How does cutting alcohol consumption affect restaurants in the US? / RBC. – URL: <https://www.rbc.ru/wine/news/69ba9ad69a79473254b32aa9> (visited on 06/04/2026).
12. Ipsos Comcon. Trend Vision 2025. In search of “energy” [Electronic resource] / Ipsos. – 2025. – URL: <https://www.ipsos-comcon.ru/ru-ru/trend-vision-2025-v-poiskakh-energii> (visited on 06/04/2026).
13. IWSR. Global beverage alcohol to drop further due to declines in US and China / IWSR. – 2025. – URL: <https://www.theiwsr.com/insight/press-release/global-beverage-alcohol-to-drop-further-due-to-declines-in-us-and-china> (visited on 06/04/2026).
14. Main trends in the restaurant business / 50 Best Tastes of Russia. – URL: <https://www.tastesofrussia.ru/novosti/glavnye-trendy-restorannogo-biznesa-2/> (visited on 06/04/2026).
15. OECD. Labour shortages and labour market inequalities: Evidence and policy implications / oecd.org. – 2025. – URL: <https://www.oecd.org> (visited on 06/04/2026).
16. *Quagliani D., Felt-Gunderson P.* Closing America’s Fiber Intake Gap: Communication Strategies From a Food and Fiber Summit // American Journal of Lifestyle Medicine. – 2016. – July. – Vol. 11, no. 1. – P. 80–85. – ISSN 1559-8284. – DOI: [10.1177/1559827615588079](https://doi.org/10.1177/1559827615588079).
17. Quelles seront les grandes tendances gastronomiques de 2026 ? / Madame Figaro. – 2025. – URL: <https://madame.lefigaro.fr/cuisine/actu-cuisine/quelles-seront-les-grandes-tendances-gastronomiques-de-2026-20251209> (visited on 06/04/2026).
18. *Rowe L.* Six food trends that’ll take over your tables in 2026 / BBC Food. – 2025. – URL: <https://www.bbc.co.uk/food/manuals/czej8n1xw17o> (visited on 06/04/2026).
19. *Severson K.* How We’ll Eat in 2026: More Caution, More Crunch / The New York Times. – 2025. – URL: <https://www.nytimes.com/2025/12/29/dining/food-trends-2026-predictions.html> (visited on 06/04/2026).
20. Strength test / Cafe-Future.ru. – URL: <https://www.cafe-future.ru/analytics/proverka-na-prochnost-/> (visited on 06/04/2026).
21. The Russians pumped up protein sales / Kommersant. – URL: <https://www.kommersant.ru/doc/8291232> (visited on 06/04/2026).
22. Will Ozempic kill gourmetism and how its spread affects the restaurant business / Cafe-Future.ru. – URL: <https://www.cafe-future.ru/news/ubet-li-ozempik-gurmanstvo-i-kak-eto-vliyaet-na-restoranny-biznes/> (visited on 06/04/2026).

Formation of a Set of Benchmark Oil Grades as a Tool for Restructuring the Oil Trading System

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Keywords: benchmark, OTC energy hub, benchmark index, netback, oil exchange marketplace, oil grade.

In the current context of sanctions pressure and the transformation of the global energy market, the Russian oil industry is faced with the task of creating national benchmarks. The aim of this study is to propose the creation of unified benchmarks for Russian oil grades. This article substantiates the need to create a set of benchmarks in the Russian Federation, rather than a single oil benchmark. A methodology for determining the specific weight of a particular oil grade and a single benchmark index consisting of exchange-traded and over-the-counter (OTC) components are outlined. The key advantages of creating a single benchmark index are highlighted, including the formation of an objective tax base, a basis for developing derivatives (the futures market), and a transparent pricing system for Russian oil grades. To develop the OTC and exchange markets, the creation of an oil exchange marketplace and an OTC energy hub is proposed. The scientific and practical significance of this article lies in the fact that the use of a single benchmark index will ensure a sovereign pricing system in the Russian Federation, increase budget revenues, and strengthen the state's economic security

References

1. *Bojko N. V.* OPEC and the global oil market: a retrospective analysis // Bulletin of the Catherine Institute. – 2025. – 2(70). – P. 5–9.
2. *CZvetaev Y.* New oil exchange in Abu Dhabi: a fight for the status quo or a step towards change? // Energy policy. – 2021. – 8(162). – P. 52–61.
3. *Devlikamova G. V.* The concept of creating a Russian oil benchmark // Digital culture of asset management in new business models. – Moscow : Institut problem ry'nka Rossijskoj akademii nauk, 2025. – P. 235–239.
4. *Kopy'tin I. A.* Global oil market in 2024: preparing for a new development regime : Yearbook // Year of the Planet. – Moscow : Ideya-Press, 2025. – P. 25–39.
5. *Kuzneczova G. V.* World oil market: current situation, influencing factors, possible development prospects // Russian Foreign Economic Bulletin. – 2023. – No. 7. – P. 30–42.
6. *Majnen V. A.* Brent as a reference grade of oil and its impact on global market conditions // Self-government. – 2022. – 3(131). – P. 520–524.
7. *Maslennikov A. O.* Global oil market: the role of benchmarks. – Moscow : Magistr, 2020. – 224 p.

8. Oil exchange as a tool for ensuring energy security in Russia / N. Y. Petrakov [et al.] // Modernization and economic security of Russia. – Moskva, Sankt-Peterburg, 2012. – Vol. 3. – P. 56–96.
9. Romanova V. V. Problems and tasks of legal support for exchange trade in energy resources in the Russian Federation and within the framework of the Eurasian Economic Union // Legal Energy Forum. – 2019. – No. 1. – P. 9–17.
10. Russian oil benchmark - relevance and problems // Drilling and oil. – 2023. – No. 1. – P. 40–43.

On the issue of the concept of a legal conflict

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Keywords: legal conflict, dispute over law, procedural form of protection, civil process.

The article analyzes the concept of a legal conflict, its legal nature, suggests an understanding of a legal conflict through a dispute about law, analyzes the resolution, settlement, and completion of a legal conflict within the framework of a system of procedural forms of protection in the civil process, and the prospects for using alternative procedural forms of protection in resolving a legal conflict

References

1. Abros'kina M. E. Distinction between the categories "legal conflict" and "legal contradiction", "legal conflict", "legal dispute", "offence" / Scientific aspect. – URL: <https://na-journal.ru/2-2019-gumanitarnye-nauki/1583>.
2. Chechina N. A. Rule of law and court decision. – Leningrad, 1961.
3. CZihoczkij A. V. Theoretical problems of the effectiveness of justice in civil cases : docthesiis : 12.00.03 / CZihoczkij Anatolij Viktorovich. – Novosibirsk, 1998. – 617 p.
4. Elisejkin P. F. Dispute about law as a public attitude : Interuniversity collection // Issues of effectiveness of judicial protection of subjective rights. Issue 65. – Sverdlovsk, 1978. – P. 11–7.
5. Gurvich M. A. Lectures on Soviet civil procedure. – Moscow, 1950.
6. Hudojkina T. V. Legal conflict: dynamics, structure, resolution. – Saransk, 1996.
7. Hudojkina T. V., Novikov N. A. Phenomenology of legal conflict // Legal culture. – 2015. – 2(21). – P. 7–8.
8. Kazimirchuk V. P., Hudojkina T. V. Legal conflict // General theory of state and law: Academician, course, 3 volumes. Vol. 3. – 2, perepab. i dop. – Moscow : Zerczalo-M, 2001. – P. 428–453.
9. Kudryavtzev V. N. Legal conflict: areas and mechanisms // Legal conflictology. Part 2. – Moscow, 1995.
10. Kury'lev S. V. Forms of protection and enforcement of rights and the right to claim // Proceedings of Irkutsk University. – 1957. – Vol. 22, issue 3.

11. *Leonov N. I.* Conflictology: general and applied : textbook and workshop for universities. – Moscow : Yurajt, 2020.
12. *Luk'yanova E. G.* Theory of procedural law. – Moscow, 2003.
13. *Osipov M. Y.* Concept and classification of legal conflicts // State-legal research. – 2022. – No. 5. – P. 126–131.
14. *Pavlushina A. A.* Theory of the legal process: results, problems, development prospects. – Samara, 2005.
15. *Safronova T. N.* Understanding conflict from the point of view of psychology and law // VSU Bulletin. Series: Law. – 2021. – 1(44). – P. 334–342.
16. *Skorobogatov A. V., Krasnov A. V.* Phenomenology of legal conflict // Russian Journal of Legal Research. – 2024. – No. 11. – P. 15–27.
17. *Vikut M. A.* Subjects of a civil dispute and legal regulation of the protection of their rights. – 1967.
18. *Zajczev I. M.* Dispute about law as a link between substantive law and civil process : International thematic collection //. – Kalinin, 1977. – P. 44–45.
19. *Zejder N. B.* Judgment in a civil case. – Moscow, 1966.

Social Aspects of Regional Development in Russia

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Keywords: development, regions, policy, indicators, agglomerations, inequality, equalization, social aspects, residents.

The article examines the social aspects of regional development and shows that, in contemporary Russia, these aspects have ceased to be a secondary background to economic processes and have transformed into a systemic factor of territorial sustainability. The need to move from narrowly economic metrics to measuring the real quality of life and opportunities available to the population is substantiated. A methodological framework for comprehensive monitoring of the social condition of territories is developed. A key feature of the proposed toolkit is the combination of objective departmental statistics with residents' subjective assessments, geanalytics, and digital traces, which makes it possible to identify bottlenecks at the early stages of their institutionalization. The information base of the study includes scientific publications in leading periodicals, data from Rosstat, and the results of an expert survey. The research is based on general scientific methods, including analysis and synthesis, description, comparison, and generalization, as well as sociological methods, including surveys, questionnaires, and observation

References

1. *Artemova D. I., Klimov S. N., Penkina V. S.* Social problems of the constituent entities of the Russian Federation // Leningrad legal journal. – 2025. – 1 (79). – P. 244–260. – DOI: [10.35231/18136230_2025_1_244](https://doi.org/10.35231/18136230_2025_1_244). – EDN MUIYFQ.
2. *Batrakova L. G.* Socio-economic inequality of Russian regions // Theoretical economics. – 2021. – 10 (82). – URL: <https://cyberleninka.ru/article/n/sotsialno-ekonomicheskoe-neravenstvo-regionov-rossii> (visited on 05/20/2026).
3. *Beloborodov V. M.* The problem of regional inequality in Russia: causes and solutions // Social and human sciences. Domestic and foreign literature. Episode 11. Sociology. – 2020. – No. 4. – URL: <https://cyberleninka.ru/article/n/problema-regionalnogo-neravenstva-v-rossii-prichiny-i-puti-resheniya> (visited on 05/21/2026).
4. *Buhval'd E. M.* Agglomerations and problems of their legislative regulation // Housing strategies. – 2021. – Vol. 8, no. 1. – P. 11–26. – DOI: [10.18334/zhs.8.1.111982](https://doi.org/10.18334/zhs.8.1.111982). – EDN NQAAWG.
5. *CHausov N. Y., Mauhin D. A.* Socio-economic development of the region and its assessment // Russian economic online journal. – 2022. – No. 4. – EDN QNUNAF.
6. *Ditberner Z. V.* State policy of regional equalization in Russia // Scientific notes of the Tambov branch of RoSMU. – 2018. – No. 9. – URL: <https://cyberleninka.ru/article/n/gosudarstvennaya-politika-regionalnogo-vyravnivaniya-v-rossii> (visited on 05/20/2026).
7. EMISS. – URL: <https://www.fedstat.ru> (visited on 05/12/2026).
8. Federal Law of July 27, 2006 No. 152-FZ “On Personal Data” / ConsultantPlus. – URL: https://www.consultant.ru/document/cons_doc_LAW_61801 (visited on 04/25/2026).
9. Federal service state statistics. – URL: <https://www.rosstat.gov.ru> (visited on 05/10/2026).
10. *Kolomak E. A.* Spatial development of Russia in the 21st century // Spatial economics. – 2019. – No. 4. – URL: <https://cyberleninka.ru/article/n/prostranstvennoe-razvitie-rossii-v-xxi-v> (visited on 05/20/2026).
11. *Kopy'tova E. D.* Small towns in Russian regions: assessment of social contradictions // Creative economy. – 2024. – Vol. 18, no. 9. – P. 2375–2394. – DOI: [10.18334/ce.18.9.121624](https://doi.org/10.18334/ce.18.9.121624). – EDN EDXRVZ.
12. *Kopy'tova E. D., Voroshilov N. V.* Urban agglomerations of Russian regions: development taking into account their economic specialization // Bulletin of Moscow University. Episode 6: Economics. – 2025. – 60(3). – P. 241–269. – DOI: [10.55959/MSU0130-0105-6-60-3-11](https://doi.org/10.55959/MSU0130-0105-6-60-3-11).
13. *Kuzneczova O. V.* Spatial development strategy of the Russian Federation: the illusion of solutions and the reality of problems // Spatial economics. – 2019. – No. 4. – URL: <https://cyberleninka.ru/article/n/strategiya-prostranstvennogo-razvitiya-rossiyskoy-federatsii-illyuziya-resheniy-i-realnost-problem> (visited on 05/20/2026).
14. *Kuzneczova O. V., Druzhinin A. G.* Towards a new strategy for spatial development of Russia // Forecasting problems. – 2024. – No. 4. – URL: <https://cyberleninka.ru/article/n/k-novoy-strategii-prostranstvennogo-razvitiya-rossii> (visited on 05/20/2026).
15. Methodology for assessing regional inequality : Research work. Preprint / V. V. Komleva [et al.]. – Moscow : Rossijskaya akademiya narodnogo hoz'yajstva i gosudarstvennoj sluzhby', 2020.
16. *Minakir P. A.* Strategies for Russia and in Russia // Spatial economics. – 2021. – No. 1. – URL: <https://cyberleninka.ru/article/n/strategii-dlya-rossii-i-v-rossii> (visited on 05/20/2026).
17. *Mironova E. A.* Analysis of indicators and factors of socio-economic development of the region (using the example of the Samara region) // Economics and management: problems and solutions. – 2025. – Vol. 1, no. 5.
18. *Moroshkina M. V.* Spatial development of Russia: regional disparities // Regionalology. – 2018. – Vol. 26, no. 4. – P. 638–657. – DOI: [10.15507/2413-1407.105.026.201804.638-657](https://doi.org/10.15507/2413-1407.105.026.201804.638-657).
19. *Neshataev A. V.* Human capital in areas with different levels of well-being: measurement and impact // Regionalology. – 2023. – Vol. 31, no. 1. – P. 123–142. – DOI: [10.15507/2413-1407.122.031.202301.123-142](https://doi.org/10.15507/2413-1407.122.031.202301.123-142).
20. *Pantin V. I.* The main factors of uneven development of Russian regions // Bulletin of the Institute of Sociology. – 2023. – Vol. 14, no. 4. – P. 219–233. – DOI: [10.19181/vis.2023.14.4.12](https://doi.org/10.19181/vis.2023.14.4.12); – EDN RUAFWS.

21. *Tikunov V. S., Cheresnaya O. Y.* Social development index of regions of the Russian Federation // News of the Russian Academy of Sciences. Geographical series. – 2016. – No. 1. – P. 19–24. – DOI: [10.15356/0373-2444-2016-1-19-24](https://doi.org/10.15356/0373-2444-2016-1-19-24).
22. *Vahrukov D. S.* Spatial development strategy of the Russian Federation for the period until 2030 with a forecast until 2036 // Bulletin of the Russian Academy of Sciences. – 2025. – No. 2. – P. 3–11. – DOI: [10.7868/S3034520025020013](https://doi.org/10.7868/S3034520025020013). – EDN AHCTXZ.
23. *Voskresenskaya O. V.* Economics and social sphere in Russian regions: trends, problems and prospects // Bulletin of the Altai Academy of Economics and Law. – 2025. – No. 11–1. – P. 42–52. – DOI: [10.17513/vaae1.4389](https://doi.org/10.17513/vaae1.4389). – (Visited on 05/21/2026).
24. VTsIOM. Indexes social well-being. – URL: <https://wciom.ru/ratings/indeksy-socialnogo-samochnostvi> (visited on 05/23/2026).
25. *Zubarevich N. V., Safronov S. G.* Inequality of socio-economic development of regions and cities of Russia in the 2000s: growth or decline? // Social sciences and modernity. – 2013. – No. 6. – P. 15–26.
26. *Zubarevich N. V., Safronov S. G.* Interregional inequality in Russia and post-Soviet countries in the 21st century // Regional studies. – 2024. – No. 1. – P. 4–18. – DOI: [10.5922/1994-5280-2024-1-1](https://doi.org/10.5922/1994-5280-2024-1-1).

Financial and tax accounting for digital products in an IT holding company: a revenue recognition and risk management model based on the case of T1

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Keywords: accounting, IT company, software, license, SaaS, revenue, VAT, intangible asset, tax incentive, dividends.

The article examines accounting for digital product sales by T1 IT holding in 2025. Based on public reporting and regulatory analysis, the authors develop a model for recording licenses, SaaS subscriptions, intangible assets, tax incentives, and profit distribution. A risk matrix for IT accounting is proposed. The results can be applied when designing accounting policies and internal control procedures in IT companies

References

1. Accounting Regulations "Income of the Organization" PBU 9/99, approved. by order of the Ministry of Finance of Russia dated May 6, 1999 No. 32n / ConsultantPlus. – URL: https://www.consultant.ru/document/cons_doc_LAW_6208/ (visited on 06/14/2026).
2. Accounting Regulations "Organization Expenses" PBU 10/99, approved. by order of the Ministry of Finance of Russia dated 05/06/1999 No. 33n / ConsultantPlus. – URL: https://www.consultant.ru/document/cons_doc_LAW_12508/ (visited on 06/14/2026).
3. Applications - T1 Report for 2024 / IT holding T1. – URL: <https://t1.ru/ar2024/chapter6> (visited on 06/14/2026).
4. Civil Code of the Russian Federation. Part four dated December 18, 2006 No. 230-FZ / ConsultantPlus. – URL: https://www.consultant.ru/document/cons_doc_LAW_64629/ (visited on 06/14/2026).

5. Federal Law of December 6, 2011 No. 402-FZ “On Accounting” / ConsultantPlus. – URL: https://www.consultant.ru/document/cons_doc_LAW_122855/ (visited on 06/14/2026).
6. Financial results of IT holding T1 for 2025: software development is the most dynamically growing business area / IT holding T1. – URL: https://t1.ru/media/news/finansovye_itogi_it-holdinga_t1_za_2025_god_razrabotka_po_naibolee_dinamichno_rastuschee_napravlenie_biznesa (visited on 06/14/2026).
7. IT holding T1 presented financial results for 2025 / RBC Companies. – URL: <https://companies.rbc.ru/news/YMWa060xE/it-holding-t1-predstavil-finansovye-itogi-za-2025-god/> (visited on 06/14/2026).
8. Order of the Ministry of Finance of Russia dated May 16, 2025 No. 56n “On approval of the Federal Accounting Standard FSBU 9/2025 “Revenue”” / Ministry of Finance of Russia. – URL: https://minfin.gov.ru/ru/document?id_4=313337 (visited on 06/14/2026).
9. Order of the Ministry of Finance of Russia dated May 30, 2022 No. 86n “On approval of the Federal Accounting Standard FSBU 14/2022 “Intangible Assets”” / Ministry of Finance of Russia. – URL: https://minfin.gov.ru/ru/document?id_4=136829 (visited on 06/14/2026).
10. Order of the Ministry of Finance of Russia dated May 30, 2022 No. 87n “On amendments to the Federal Accounting Standard FSB 26/2020 “Capital Investments”” / Ministry of Finance of Russia. – URL: https://minfin.gov.ru/ru/document?id_4=136830 (visited on 06/14/2026).
11. Tax Code of the Russian Federation. Part two dated 05.08.2000 No. 117-FZ / ConsultantPlus. – URL: https://www.consultant.ru/document/cons_doc_LAW_28165/ (visited on 06/14/2026).

A Model of Innovation and Investment Management for Regional Development Based on Cognitive Modeling Methods

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The article addresses the problem of managing innovation and investment development of regions under the conditions of transformational changes in the domestic economy. The author substantiates the feasibility of applying cognitive modeling methods for synthesizing effective managerial decisions as an element of integrating regional economies into a new, emerging digital national framework. Objective software-based cognitive solutions to the tasks faced by managerial structures are proposed.

Materials and methods

Keywords: regional economy, innovations, regional innovation system, innovation and investment development, innovation and investment potential, cognitive modeling, decision support software system (DSS) “IGLA” (Intelligent Generator of Best Alternatives), universal management mechanism, target region.

The study is based primarily on methods of analyzing the practice of innovation and investment development of regions. In order to obtain a reliable picture, the author employed a classification method, identifying a unifying criterion for each classification group of regions. Based on the methodologies of the Russian Regional Innovation Index and the National Rating of Investment Climate, key concepts of innovation and investment activity were identified and grouped in accordance with the objective economic realities of both the external and internal environment of the domestic innovation system.

Results and key findings

The software decision-support system “IGLA” was used as a tool, enabling:

- the construction of fuzzy cognitive maps;
- the modeling of dynamic development scenarios for regional ecosystems as elements of a unified national trans-regional economic system of a new type.

A matrix for classifying regions by the level of innovation and investment activity is proposed, and a universal management mechanism has been developed that differentiates directions of influence depending on the type of region. A comparison of concept groups made it possible to identify four priority areas of managerial influence: the formation of a regulatory and legal environment, the creation of institutions, infrastructure development, and the improvement of management technologies. The developed cognitive model provides a systematic approach to accumulating successful practices in the

development of regional innovation systems and can be used to substantiate regional development strategies, taking into account the mutual influence of external environment factors.

Discussion

The conclusions and results of the study are practical in nature. The specific product developed and proposed by the author, based on the totality of the research conducted, can be recommended primarily for use by regional authorities. Reorienting it toward the interests of commercial structures involved in shaping the innovation and investment framework of the domestic economy is possible after additional research into the needs of specific participants in the meso-level commercial infrastructure, among which, even at the current stage of research, the following can be identified:

- platform-based participants;
- participants at the level of specialized software and neural network solutions;
- infrastructure participants involved in the process of collecting and transmitting data on the state and potential of regional innovation systems.

These participants require additional fine-tuning of the proposed cognitive modeling product, taking into account the parameters most preferable for their macro-format economic relationships; however, the specific parameters of the cognitive model should be adapted for each of them individually.

References

1. *Abashkin V. L., Abdrahmanova G. I., Artyomov S. V.* Innovative Development Rating of the Subjects of the Russian Federation. Issue 9 / ed. by L. M. Gokhberg, E. S. Kutsenko. – Moscow : HSE, 2024. – 248 p.
2. *Adises I. K.* Corporate Lifecycle Management. – Moscow : Mann, Ivanov, Farber, 2014. – 383 p.
3. *Bagaeva A. I., Zelimkhanova N. Z.* Statistical modeling of the optimal distribution of digital investments in a region to maximize socio-economic impact: a systems approach // Soft measurements and calculations. – 2025. – Vol. 94, no. 9-2. – P. 33-39. – DOI: [10.36871/2618-9976.2025.9-2.004](#).
4. *Bondareva V. G., Tokaeva B. B.* Investments and innovations as conditions for the development of the economies of the regions of the Russian Federation // Economics and Management: Problems and Solutions. – 2024. – Vol. 6, 12(153). – P. 92-103. – DOI: [10.36871/ek.up.p.r.2024.12.06.012](#).
5. Decision support system based on fuzzy cognitive models “IGLA” (Intelligent Generator of Best Alternatives), version 4.0 / A. G. Podvesovskiy [et al.]. – Moscow : VNTIC, 2019.
6. *Degteva L. V., Panin A. V., Timokhin D. V.* Regional diversification in the context of import substitution and its impact on the development of food entrepreneurship // Economic theory, analysis, practice. – 2022. – No. 2. – P. 28-42. – DOI: [10.24412/2071-6435-2022-2-28-42](#).
7. *Egorov G. G.* On the use of modern neural networks in the Russian economy // Philosophy of management. – 2026. – 1(163). – P. 73-82.
8. *Elsukov M. Y.* State Regional Policy in Russia and Innovation: Shifting Priorities // Society: politics, economics, law. – 2025. – 10(147). – P. 244-251. – DOI: [10.24158/pep.2025.10.29](#).
9. *Glotko A. V., Kuznetsova I. G.* Enhancing the role of innovation for the efficient functioning of the regional economy // Economics and Humanities. – 2025. – 10(405). – P. 3-18. – DOI: [10.33979/2073-7424-2025-405-10-3-18](#).
10. *Kushbokova R. H., Sadreeva A. F., Aliev R. I.* Industrial innovations and their impact on the regional economy // Economics and Management: Problems and Solutions. – 2025. – Vol. 2, 4(157). – P. 31-41. – DOI: [10.36871/ek.up.p.r.2025.04.02.004](#).
11. Marketing of territories for localization of industry production with a closed fuel cycle / A. N. Germanchuk [et al.] // Regional problems of economic transformation. – 2023. – 11(157). – P. 187-197. – DOI: [10.26726/1812-7096-2023-11-187-197](#).

12. *Mizya M. S., Kipervar E. A.* The development of the digital economy as a factor in improving the standard of living in the region // *Economics, Entrepreneurship and Law*. – 2024. – Vol. 14, no. 10. – P. 5509–5522. – DOI: [10.18334/epp.14.10.121851](https://doi.org/10.18334/epp.14.10.121851).
13. National rating of the investment climate in the constituent entities of the Russian Federation. – URL: <http://asi.ru/investclimate/rating/> (visited on 07/22/2026).
14. *Varenik M. S.* The Impact of Scientific and Innovative Activities and Digitalization on the Economic Level of Russian Regions // *Intelligence. Innovation. Investments*. – 2024. – No. 6. – P. 27–39. – DOI: [10.25198/2077-7175-2024-6-27](https://doi.org/10.25198/2077-7175-2024-6-27).
15. *Voropaeva D. A., Yudina O. V.* Key aspects of managing regional mechanisms for interaction between education and the economy // *Research and Development. Economics*. – 2026. – Vol. 14, no. 2. – P. 19–25. – DOI: [10.12737/2587-9111-2026-14-2-19-25](https://doi.org/10.12737/2587-9111-2026-14-2-19-25).

Price and non-price competition in economic strategies of Russian business: analysis and five-year forecast

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Keywords: price competition, non-price competition, competitive strategies, Russian business, industry, marketplaces, import substitution, forecasting, economy.

The article examines the interplay between price and non-price competition within the strategic frameworks of Russian industrial companies. While price competition remains a visible tool in retail and e-commerce, the study reveals that in highly concentrated industrial sectors—such as ferrous metallurgy, aircraft engine manufacturing, and the defense industry—non-price factors increasingly determine competitive advantage. Drawing on extensive empirical material, the author demonstrates that oligopolistic market structures, high entry barriers, and the specific nature of state-regulated orders lead large enterprises to prioritize cost optimization, quality improvement, technological innovation, and long-term client relations over aggressive price wars. A historical case study of the Soviet gas centrifuge program is presented as an exemplary model of non-price competition, where three different plants continuously improved product reliability and performance without price undercutting. The author argues that this experience holds valuable lessons for current import substitution efforts and the pursuit of technological sovereignty. The analysis further covers the retail sector, focusing on the explosive growth of e-commerce marketplaces. It shows that the initial phase of this growth was driven partly by price advantages, but the current competitive dynamics are increasingly shaped by service quality, user interfaces, logistics efficiency, and ecosystem integration. The top five marketplaces now account for the vast majority of consumer traffic, and the sector is rapidly approaching an oligopolistic structure. Based on sectoral trends, macroeconomic conditions, and expert forecasts, the article presents a five-year outlook for Russian competitive environments. It anticipates continued stability in industrial markets, a gradual slowdown in e-commerce expansion, and a growing role for artificial

intelligence tools in both pricing strategies and non-price differentiation. The author concludes that successful companies will increasingly adopt hybrid strategies that combine adaptive pricing with strong branding, innovation, and digital customer engagement, thereby transforming competition into a multidimensional process

References

1. *E'vans Dzh., Berman B.* Marketing. – Moscow : E'konomika, 1990. – URL: <http://economics-lib.ru/books/item/f00/s00/z0000038/st067.shtml>.
2. Marketplaces are getting crowded / Kommersant. – 2025. – URL: <https://www.kommersant.ru/doc/7566981> (visited on 03/20/2025).
3. *Petrishhev M. V.* Price and non-price sides of market competition // Bulletin of Chelyabinsk State University. – 2011. – 16 (231). – P. 24–31.
4. *Petrova O. A.* Business social responsibility concept // Economic Sciences. – 2021. – No. 205. – P. 474–477. – DOI: [10.14451/1.205.474](https://doi.org/10.14451/1.205.474). – EDN VXFYMS.
5. *Petrova O. A.* Digitalization of consolidated financial statements in the insurance business // Economic Sciences. – 2021. – No. 203. – P. 268–270. – DOI: [10.14451/1.203.268](https://doi.org/10.14451/1.203.268). – EDN VGXSYX.
6. *Petrova O. A.* The problem of implementing IFRS 19 “Employee Benefits” and its impact on reporting transparency in the digital economy // Economic Sciences. – 2021. – No. 204. – P. 317–320. – DOI: [10.14451/1.204.317](https://doi.org/10.14451/1.204.317). – EDN JUWCQS.
7. *Sergeev V.* Development and creation of a method of gas centrifuge separation of isotopes in the USSR (Russia). – SPb., 2002.
8. *Sopina N. V., Mahmutov A. I.* Price and non-price competition // Young scientist. – 2020. – 34 (324).
9. Statistics of Russian marketplaces. – URL: <https://inclient.ru/marketplaces-stats/> (visited on 03/20/2025).
10. Why is online trading growing in the regions? / Forbes. – URL: <https://www.forbes.ru/tekhnologii/517246-prirastat-budet-sibir-u-pocemu-internet-torgovli-v-regionah-stanovitsa-vse-bol-se>.

Indicator-Based Approach to Assessing Virtual Asset Risks in the State Economic Security System

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Keywords: virtual assets; digital currency; digital financial assets; digital ruble; economic security; AML/CFT; shadow turnover; sanctions risks; cross-border value transfer; indicator assessment.

The article develops an indicator-based approach to assessing virtual asset risks in the state economic security system. It systematises AML/CFT, cross-border value transfer, sanctions evasion, fiscal opacity, mining and crypto fraud risks. The IRVA model with 24 indicators is proposed for interagency monitoring and early risk warning

References

1. Arkad'eva O. G., Berezina N. V. Analysis of methodological approaches and principles of risk assessment based on the construction of ratings of integral risk indices // Risk analysis problems. – 2019. – Vol. 16, no. 6. – P. 78–89. – DOI: [10.32686/1812-5220-2019-16-6-78-89](https://doi.org/10.32686/1812-5220-2019-16-6-78-89).
2. Crypto Crime Report 2025 / Chainalysis. – URL: <https://www.chainalysis.com/resources/reports/> (visited on 06/16/2026).
3. Decree of the President of the Russian Federation dated July 2, 2021 No. 400 “On the National Security Strategy of the Russian Federation”. – URL: https://www.consultant.ru/document/cons_doc_LAW_389271/ (visited on 06/03/2026).
4. Decree of the President of the Russian Federation dated May 13, 2017 No. 208 “On the Economic Security Strategy of the Russian Federation for the period until 2030”. – URL: https://www.consultant.ru/document/cons_doc_LAW_216629/ (visited on 06/11/2026).
5. Development of the digital asset market in the Russian Federation: report for public consultation. – Moscow : Bank Rossii, 2022. – URL: https://cbr.ru/Content/Document/File/141991/Consultation_Paper_07112022.pdf (visited on 06/01/2026).
6. Digital ruble concept. – Moscow : Bank Rossii, 2021.
7. EU restrictive measures / Council of the European Union. – URL: <https://www.consilium.europa.eu/en/policies/sanctions/> (visited on 06/16/2026).
8. Federal Law of 07.08.2001 No. 115-FZ “On combating the legalization (laundering) of proceeds from crime and the financing of terrorism”. – URL: https://www.consultant.ru/document/cons_doc_LAW_32834/ (visited on 06/03/2026).
9. Federal Law of 08.08.2024 No. 221-FZ “On Amendments to Certain Legislative Acts of the Russian Federation”. – URL: <http://publication.pravo.gov.ru/document/0001202408080016> (visited on 06/03/2026).
10. Federal Law of 08.08.2024 No. 223-FZ “On Amendments to Certain Legislative Acts of the Russian Federation”. – URL: <http://kremlin.ru/acts/bank/50920> (visited on 06/07/2026).
11. Federal Law of July 31, 2020 No. 259-FZ “On digital financial assets, digital currency and on amendments to certain legislative acts of the Russian Federation”. – URL: https://www.consultant.ru/document/cons_doc_LAW_358753/ (visited on 06/16/2026).
12. Federal Law of March 11, 2024 No. 45-FZ “On Amendments to Certain Legislative Acts of the Russian Federation”. – URL: <http://publication.pravo.gov.ru/document/0001202403110010> (visited on 06/07/2026).
13. Federal Law of November 29, 2024 No. 418-FZ “On Amendments to Parts One and Two of the Tax Code of the Russian Federation and Certain Legislative Acts of the Russian Federation”. – URL: <http://publication.pravo.gov.ru/document/0001202411290004> (visited on 06/07/2026).
14. Federal laws of July 24, 2023 No. 339-FZ and No. 340-FZ on the introduction of the digital ruble and amendments to legislative acts of the Russian Federation. – URL: <https://www.consultant.ru/law/hotdocs/81275.html> (visited on 06/16/2026).

15. *Krotenko T. Y.* Methodological approaches to the development of indicators of economic security of an organization // *University Bulletin*. – 2018. – No. 11. – P. 18–22. – DOI: [10.26425/1816-4277-2018-11-18-22](https://doi.org/10.26425/1816-4277-2018-11-18-22).
16. *Mityakov S. N., Mityakov E. S.* Development of the theory of risks and threshold values of economic security // *Bulletin of the Institute of Economics of the Russian Academy of Sciences*. – 2023. – No. 5. – P. 83–113. – DOI: [10.52180/2073-6487_2023_5_83_113](https://doi.org/10.52180/2073-6487_2023_5_83_113).
17. *Mityakov S. N., Nazarova E. A.* Empirical analysis of short-term indicators of economic security // *Economic security*. – 2023. – Vol. 6, no. 3. – P. 849–864. – DOI: [10.18334/ecsec.6.3.118238](https://doi.org/10.18334/ecsec.6.3.118238).
18. National assessment of the risks of legalization (laundering) of proceeds from crime: public report / Rosfinmonitoring. – URL: <https://www.fedsfm.ru/fm/nor> (visited on 06/16/2026).
19. Office of Foreign Assets Control. Sanctions Programs and Information / U. S. Department of the Treasury. – URL: <https://ofac.treasury.gov/sanctions-programs-and-country-information> (visited on 06/16/2026).
20. Regulations of the Bank of Russia dated 08/03/2023 No. 820-P “On the digital ruble platform”. – URL: <https://cbr.ru/fintech/dr/> (visited on 06/01/2026).
21. Report on the work of Rosfinmonitoring for 2024 / Rosfinmonitoring. – URL: <https://www.fedsfm.ru/activity/annual-reports> (visited on 06/16/2026).
22. Targeted Update on Implementation of the FATF Standards on Virtual Assets and Virtual Asset Service Providers / FATF. – 2024. – URL: <https://www.fatf-gafi.org/en/publications/Fatfrecommendations/targeted-update-virtual-assets-vasps-2024.html> (visited on 06/07/2026).
23. The FATF Recommendations 2012–2025 / FATF. – URL: <https://www.fatf-gafi.org/en/publications/Fatfrecommendations/Fatf-recommendations.html> (visited on 06/16/2026).
24. Updated Guidance for a Risk-Based Approach to Virtual Assets and Virtual Asset Service Providers / FATF. – 2021. – URL: <https://www.fatf-gafi.org/en/publications/Fatfrecommendations/Guidance-rba-virtual-assets-2021.html> (visited on 06/06/2026).

The problem of overtourism in Russia: causes and directions of regulation

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Keywords: overtourism, excessive tourism, sustainable tourism development, regional regulation, sectoral planning.

This article examines the problem of overtourism (excessive tourism) in relation to Russian regions. It identifies regions facing the heaviest tourist load, as well as areas experiencing growing tourist flows. Based on an analysis of scientific sources and statistical data, the main causes of overtourism in Russia are identified. Potential measures to regulate overtourism in Russian regions are outlined

References

1. Domestic tourism in Russia / TAdviser. – 2026. – URL: https://tadviser.ru/index.php/Статья:Внутренний_туризм_в_России (visited on 05/25/2026).
2. Experts named Russian regions that are at risk of overtourism / Rambler Travel. – 2025. – URL: <https://travel.rambler.ru/local/54908516-eksperty-nazvali-rossiyskie-regiony-kotorym-grozit-overturizm> (visited on 05/25/2026).
3. *Klimova T. B.* On the problem of excessive tourism: searching for solutions // Scientific result. Business and service technologies. – 2022. – Vol. 8, no. 4. – P. 15–26.
4. *Komarov V. M., Moskvitina N. A., Sargsyan L. M.* National project "Tourism": long-term vision // Economic development of Russia. – 2020. – Vol. 27, no. 11. – P. 69–81.
5. *Kuchumov A. V., Pechericza E. V.* Protecting tourist destinations from overtourism in the context of the concept of sustainable tourism // Scientific result. Business and service technologies. – 2022. – Vol. 8, no. 4. – P. 27–35.
6. *Mosalev A., Sanin A.* Tourism management in the Arctic coastal zone of Northern Eurasia // AUC Geographica. – 2022. – 57(2). – P. 122–130.
7. *Naumova I. V., Savel'ev I. I.* Overtourism: essence and ways to solve the problem // Modern problems of service and tourism. – 2019. – Vol. 13, no. 4. – P. 27–35.

8. *Oborin M. S., Saryan A. A.* Organizational and methodological basis for creating an interdepartmental mechanism to combat overtourism and tourism phobia // *Service in Russia and abroad*. – 2023. – Vol. 17, 1 (103). – P. 47–66.
9. Order of the Government of the Russian Federation dated September 20, 2019 No. 2129-r (as amended on May 29, 2025) “On approval of the Strategy for the development of tourism in the Russian Federation for the period until 2035” / ConsultantPlus. – URL: https://www.consultant.ru/document/cons_doc_LAW_333756 (visited on 05/25/2026).
10. *Py'laeva A. S.* Domestic tourism: prerequisites for development in Russia and the current state // *Tourism: law and economics*. – 2023. – No. 1. – P. 16–18.
11. *Sanin A. Y., Kulakovskaya V. A.* Strategic planning in environmental management in coastal tourist areas: problems and prospects // *Bulletin of Voronezh State University. Series: Geography. Geoecology*. – 2025. – No. 3. – P. 61–68.
12. *Sanin A. Y., Mitina N. N.* Prospects for expanding the project of federal year-round resorts “Five Seas and Lake Baikal” // *Innovation and investment*. – 2024. – No. 6. – P. 285–292.
13. Town Planning Code of the Russian Federation dated December 29, 2004 No. 190-FZ (as amended on March 23, 2026) / ConsultantPlus. – URL: https://www.consultant.ru/document/cons_doc_LAW_51040 (visited on 05/25/2026).
14. *Vetitnev A. M., Vorobej E. K., Gvarliani T. E.* Overtourism risk management to ensure sustainable development of the destination // *Economics and management*. – 2023. – Vol. 29, no. 8. – P. 882–890.
15. *Voskolovich N. A.* Overtourism in Russia: risks and opportunities to minimize them // *Intelligence. Innovation. Investments*. – 2025. – No. 6. – P. 27–38.
16. XI National Tourism Rating (Results of 2025) / *Holidays in Russia*. – 2026. – URL: <https://rustur.ru/xi-nacionalnyj-turisticheskij-rejting-itogi-2025-goda> (visited on 05/25/2026).

Principles for establishing an effective internal control system and a methodology for adapting it to small enterprises

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Keywords: internal control, small enterprises, internal control assessment, internal control system, analysis of monitoring results.

This study aims to develop an effective internal control system and a methodology for adapting it to small enterprises. It examines a methodology for analyzing the results of monitoring internal control system performance in small enterprises, based on a set of quantitative and qualitative indicators that are adapted to resource constraints and do not require complex calculations

References

1. Ageeva O. A., Maty'czy'na Y. D. Monitoring the effectiveness of the internal control system and economic security of the organization // Vestnik GUM. – 2022. – No. 1. – URL: <https://cyberleninka.ru/article/n/monitoring-effektivnosti-sistemy-vnutrennego-kontrolya-i-ekonomicheskoy-bezopasnosti-organizatsii>.
2. Chernenko E. R., Safina Z. Z. Building an internal control system in the organization // Economics and business: theory and practice. – 2020. – No. 12/3. – URL: <https://cyberleninka.ru/article/n/postroenie-sistemy-vnutrennego-kontrolya-v-organizatsii-1>.
3. Santosuosso P. A practical approach to designing internal control systems in SMEs // Journal of Open Innovation: Technology, Market, and Complexity. – 2025. – Vol. 11, no. 2. – P. 100565. – ISSN 2199-8531. – DOI: <https://doi.org/10.1016/j.joitmc.2025.100565>.
4. Yampol'skaya N. Y., Slesareva D. A. Integration of internal control systems with information security measures in small enterprises // Economics and Entrepreneurship. – 2025. – 11(184). – P. 809–812. – DOI: [10.34925/EIP.2025.184.11.142](https://doi.org/10.34925/EIP.2025.184.11.142). – EDN XUEKHW.

Digital Transformation in Logistics: Trends and Challenges

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Keywords: logistics, digital transformation, Internet of things, artificial intelligence, supply chain, blockchain, big data, digital competencies.

Digital transformation in logistics is an important prerequisite for the competitiveness and sustainability of supply chains. With the rapid growth of data volume, stricter requirements for cargo tracking, and changing consumer preferences, traditional management methods are insufficient to ensure effective operations. The object of the research is the digital transformation of logistics systems in the context of economic changes and supply chain volatility. The article analyzes the synergistic effect of the Internet of Things, artificial intelligence, and the blockchain system, as well as their ability to overcome existing limitations despite the presence of barriers. Consideration of these aspects allowed us to create a holistic picture of the current stage of digitalization in the logistics sector. The article systematizes modern approaches to the digital transformation of logistics, noting that despite the recognition of this phenomenon as a trend, there is a lack of research on the integration of diverse technologies into a single operational environment. The purpose of the study is to systematize current technological trends in the digital transformation of logistics and identify key challenges (organizational, financial, technical, personnel, regulatory) that hinder their effective implementation

References

1. *Busheneva Y. I., Smirnov D. Y.* Transformation of bank management in the context of digitalization : Collection of articles based on the results of the XVI International Scientific and Practical Conference, St. Petersburg, April 29–30, 2021 // . – SPb : Sankt-Peterburgskij gosudarstvennyj e'konomicheskij universitet, 2021. – P. 291–295. – EDN HVKKYS.
2. Digital Economy: 2024 : short statistical collection / V. L. Abashkin [et al.]. – Moscow : VSHE', 2024. – 124 p.

3. Federal State Statistics Service. – URL: <https://rosstat.gov.ru> (visited on 06/09/2026).
4. FedEx will track your packages more precisely than ever / Minew Technology. – 2024. – URL: <https://www.minew.com/fedex-will-track-your-packages-more-precisely-than-ever> (visited on 06/12/2026).
5. *Fedotova V. V., Emel'yanov B. G., Tipner L. M.* The concept of blockchain and the possibilities of its use // European Science. – 2018. – 1(33). – P. 40–48. – EDN YOATFE.
6. Global DataSphere Forecast 2024–2028 / International Data Corporation. – 2024. – URL: <https://www.idc.com> (visited on 06/13/2026).
7. *Kovalenko E. I.* Problems and risks of digital transformation in logistics and the Control tower concept // Bulletin of the Altai Academy of Economics and Law. – 2022. – No. 4–2. – P. 205–208. – DOI: [10.17513/vaael.2158](https://doi.org/10.17513/vaael.2158). – EDN WAMGY.
8. *Krengauz I. N.* Digital transformation of logistics: trends, challenges and prospects // Young Don researcher. – 2025. – Vol. 10, 5(56). – P. 122–132. – EDN OJVAMQ.
9. *Muhamadiev Z. D., Levina A. I.* Digital transformation of the transport and logistics industry of the Russian Federation: trends, challenges, solutions, technologies // Scientific aspect. – 2024. – Vol. 31, no. 5. – P. 4216–4225. – EDN XSXZZC.
10. *Puzanova I. A., Aver'yanova P. A.* Digital transformation of warehouse logistics. – Moscow, 2023. – 86 p. – ISBN 978-5-466-04182-8. – EDN UUOLAY.
11. *SHHerbakov V. V., Silkina G. Y., Shevchenko S. Y.* Managing transformational changes to ensure the dynamics of digital maturity of logistics // π -Economy. – 2024. – Vol. 17, no. 5. – P. 132–145. – DOI: [10.18721/JE.17508](https://doi.org/10.18721/JE.17508). – EDN AIHOPA.
12. *Smirnov D. Y.* Big Data technologies as a tool for ensuring balanced development of the regional economic system : Materials of the XVI International Scientific and Practical Conference, St. Petersburg, May 22–23, 2025 // Problems and ways of socio-economic development: city, region, country, world. – Sankt-Peterburg : Leningradskij gosudarstvenny'j universitet im. A. S. Pushkina, 2025. – P. 120–125. – EDN XKDFDL.
13. Supply Chain Technology Trends / Gartner Inc. – 2024. – URL: <https://www.gartner.com> (visited on 06/13/2026).
14. The future of last-mile delivery: Consumer expectations and operational realities / McKinsey & Company. – 2024. – URL: <https://www.mckinsey.com> (visited on 06/13/2026).
15. Unified interdepartmental information and statistical system. – URL: <https://www.fedstat.ru> (visited on 06/09/2026).
16. *Wragg E.* Maersk and IBM pull the plug on TradeLens / GTR Global Trade Review. – 2023. – URL: <https://www.gtreview.com/news/fintech/maersk-and-ibm-pull-the-plug-on-tradelens> (visited on 06/11/2026).

Economic evaluation of architectural methods for data integration in digital twins

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Keywords: digital twin, data integration, IoT, stream processing, message broker, Kafka, architecture classification, cost efficiency.

This article examines architectural methods for integrating data in digital twins. Streaming, edge, and hybrid approaches to transmitting data from IoT devices are analyzed. A classification of integration methods is proposed based on three criteria: transmission method, data storage type, and network topology. Practical recommendations for selecting an architecture based on latency and scalability requirements are formulated, and an economic assessment of various integration system design options is provided

References

1. Digital twin design / S. Malakuti [et al.] // Modern electronics. – 2022. – No. 8. – P. 36–45.
2. Digital twins and discrete event systems / D. E. Namiot [et al.] // International Journal of Open Information Technologies. – 2021. – Vol. 9, no. 2. – P. 70–75.
3. *Ivanov E. V., CZy'mbler M. L.* Review of modern time series processing systems // Bulletin of the South Ural State University. Series: Computational mathematics and computer science. – 2020. – Vol. 9, no. 4. – P. 79–97. – DOI: [10.14529/cmse200406](https://doi.org/10.14529/cmse200406).
4. *Ly'chkina N. N., Pavlov V. V.* The concept of the digital twin and the role of simulation models in digital twin architecture // Applied computer science. – 2024. – No. 1. – P. 4–23.
5. *Mudarisov A. A.* Methods for integrating IoT data into digital twins for modeling production processes : collection of proceedings of the XV International Scientific and Practical Conference // Youth and modern information technologies. – Kazan' : Kazanskij gosudarstvennyj e'nergeticheskij universitet, 2024. – P. 108–111.

6. *Parshina I. S., Frolov E. B.* Development of a digital twin of a production system based on modern digital technologies // *Economics in industry*. – 2020. – Vol. 13, no. 1. – P. 29–34. – DOI: [10.17073/2072-1633-2020-1-29-34](#).
7. *Petrov A. V.* Digital Twins - Digital Shadows - Digital Twins // *Current issues of agricultural science*. – 2024. – 3(52). – P. 73–81. – DOI: [10.51215/2411-6483-2024-52-73-81](#).
8. *Ponomarev K. S., Feofanov A. N., Grishina T. G.* Digital production twin strategy as a method of enterprise digital transformation // *Bulletin of MSTU "Stankin"*. – 2019. – 2(46). – P. 23–30.
9. *Prohorov A., Ly'sachev M.* Digital twin. Analysis, trends, world experience / ed. by A. Borovkova. – Moscow : Al'yansPrint, 2020. – 401 p. – ISBN 978-5-6042891-7-4.
10. *Vorobchikova E. O.* Personalization as a key principle of adult learning in the context of digitalization // *Bulletin of Minin University*. – 2025. – Vol. 13, no. 1. – P. 1. – DOI: [10.26795/2307-1281-2025-13-1-1](#).
11. *Zorina N. V., Zaburdyayev A. V.* Information and analytical system for organizing pipeline data processing for smart production : collection of works of RTU MIREA // *Digital technologies and systems*. – Moscow, 2023. – P. 320–342.

Fraud as a threat to the economic security of the Russian Federation

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Keywords: fraud, cybercrime, financial pyramids, economic security, bills, AI, social engineering, digital platforms, unauthorized transactions.

According to data for 2025, the volume of embezzlement of funds amounted to about 29.3 billion rubles. At the same time, the number of unauthorized transactions increased by about 30%. Almost half of all crimes (49.4%) relate to theft of other people's property. The article discusses the main types of fraud that have been most common in recent years: cyberbullying, pyramid schemes, and the use of artificial intelligence technologies. Risks and threats such as image damage to the national financial system, illegal withdrawal of funds abroad through cryptocurrencies, compromise of government information systems, vulnerability of anti-fraud systems to social engineering methods, the "thousand cuts strategy" (small transactions), as well as insufficient coordination between financial institutions and telecom operators. Measures are proposed to dampen risks: the introduction of legislative liability of organizations for non-compliance with fraud prevention requirements; replacing traditional multifactor authentication with systems for analyzing behavioral characteristics (typing speed, mouse movement, device position) using AI; organizing operational data exchange between banks, retail chains, telecom operators and the police in real time; moving from theoretical briefings to practical simulations of attacks using deepfakes; implementing a "trusted person" system to confirm large-scale operations of vulnerable categories of citizens. The implementation of these measures will reduce the proportion of unauthorized transactions, reduce material and image damage to the state and citizens, and strengthen the country's economic security in the face of digital threats

References

1. Citizens will be able to self-prohibit loans / Bank of Russia. – URL: <https://www.cbr.ru> (visited on 04/14/2026).
2. Crime reports / Ministry of Internal Affairs of the Russian Federation. – URL: <https://мвд.рф/reports/item/82838935/> (visited on 04/13/2026).
3. Financial market news / Banki.ru. – URL: <https://www.banki.ru/news/lenta/?id=11012166> (visited on 04/14/2026).

4. Fraudsters: news and analytics / RIA Novosti. – URL: <https://ria.ru/20250702/moshenniki-2026647904.html> (visited on 04/14/2026).
5. Fraudsters: news and analytics / RIA Novosti. – URL: <https://ria.ru/20250702/moshenniki-2026647904.html> (visited on 04/14/2026).
6. In what cases does the bank suspend a client's transfer? / Bank of Russia. – URL: <https://www.cbr.ru> (visited on 04/14/2026).
7. Information materials / Rospotrebnadzor. – URL: <https://cgie.62.rospotrebnadzor.ru/content/1202/168558> (visited on 04/13/2026).
8. Investigative Committee assessed the damage caused by fraudsters / Vedomosti. – URL: <https://www.vedomosti.ru/finance/manuals/2024/12/05/1079559-sk-otsenil-uscherb-ot-moshennikov> (visited on 04/13/2026).
9. Materials on financial fraud / Kommersant. – URL: <https://www.kommersant.ru/doc/8438895> (visited on 04/14/2026).
10. Press releases and events / Bank of Russia. – URL: <https://www.cbr.ru/press/event/?id=24608> (visited on 04/13/2026).
11. Review of transactions without customer consent (2025) / Bank of Russia. – URL: https://cbr.ru/analytics/ib/operations_survey/2025/ (visited on 04/14/2026).
12. Top 10 current fraud schemes / Sberbank. – URL: <https://www.sberbank.ru/ru/person/kibrary/manuals/top-10-aktualnykh-skhem-moshennichestva> (visited on 04/13/2026).

“Green bonds” as a mechanism for attracting private capital to environmental projects: barriers and prospects under sanctions restrictions

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Keywords: green bonds, sustainable finance, ESG investing, environmental projects, sanctions, private capital, ecological modernization, BRICS, sustainable development taxonomy, digital financial assets, public-private partnership.

The article provides a comprehensive examination of the role of green bonds as an instrument for mobilizing private capital to finance environmental projects in the Russian Federation under unprecedented sanctions. The research methodology integrates systemic analysis, comparative methods, statistical analysis of green bond market dynamics for 2018–2025, and expert assessments. Key barriers to the development of the domestic green bond market are systematized: regulatory, institutional, informational, technological, and geopolitical. A critical analysis of the fundamental limitations of the instrument itself is conducted, including the «additionality» problem and the risk of taxonomic arbitrage. The author's «Three Contours» model for stimulating green bond issuance is substantiated, integrating fiscal incentives, institutional support mechanisms, and international integration within BRICS+. The prospects for market digitalization through digital financial assets (DFA) and public-private partnerships in the form of concession agreements are explored

References

1. *Danilov Y. A.* Development of the financial market of the Russian Federation in conditions of external restrictions // *Economic issues*. – 2023. – No. 5. – P. 50–74.
2. Decree of the Government of the Russian Federation dated September 21, 2021 No. 1587 “On approval of criteria for sustainable (including green) development projects in the Russian Federation and requirements for the verification system for sustainable (including green) development projects”.
3. ESG bonds in Russia: results 2025. Analytical review / INFRAGREEN. – Moscow, 2025.
4. ESG financing architecture: adapting to new realities. Analytical report / Expert RA. – 2025.
5. Global State of the Market Report 2024 / Climate Bonds Initiative. – 2025. – 72 p.
6. *Hulupov A. I.* National taxonomy of sustainable development: problems and prospects for implementation // *Economic policy*. – 2022. – Vol. 17, no. 2. – P. 130–159.
7. Instruction No. 220-I dated July 1, 2025 “On the procedure for calculating credit and market risks for priority ESG initiatives” / Bank of Russia.
8. *Kabir L. S.* ESG investing under sanctions: challenges and opportunities // *World economy and international relations*. – 2022. – Vol. 66, no. 11. – P. 37–48.
9. *Lyutova E. B.* Green bond market in Russia: state and prospects // *Bulletin of the Financial University*. – 2021. – Vol. 25, no. 4. – P. 55–69.
10. Overview of the sustainable finance market in the Russian Federation for 2023 / Bank of Russia. – 2024. – 48 p.
11. *Reshetnikov D. A.* Prospects for the development of the green bond market in the form of digital financial assets // *Economic Bulletin*. – 2025. – Vol. 4, no. 2. – P. 59–65.
12. *Rubczov B. B., Ezhov E. M.* “Green” finance in Russia and the world : monograph. – Moscow : Rusajns, 2020. – 224 p.
13. *Sachs J. D.* The Age of Sustainable Development. – New York : Columbia University Press, 2015. – 544 p.
14. Stern, N. – Cambridge : Cambridge University Press, 2006. – 712 p.
15. Sustainable development sector: results for 2024. Analytical review / Moscow Exchange. – 2025. – 32 p.
16. *Yakovlev I. A., Kabir L. S.* Financing mechanism for green investments in the green finance system // *Financial magazine*. – 2018. – No. 3. – P. 9–22.

Game mechanics as a tool for managing employee engagement and reducing turnover

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Keywords: Gamification, digital motivation, distributed teams, delivery services, leaderboards, game mechanics, staff turnover, KPI, HR management, digital platforms.

In the context of digitalization and the transition to distributed management models, express delivery services face high courier turnover rates (45–60% per year) and a decrease in productivity after the third month of work, while traditional KPI-based motivation systems lack transparency, efficiency, and personalization. The goal is to identify the most effective gamification mechanics for managing distributed delivery service teams and empirically validate a digital motivation model. The article employs general scientific methods, case analysis, and a systematic approach. The most common mechanics were leaderboards, badges, and challenges. There was a 15–22% increase in productivity, a 20–40% decrease in turnover, and an 8–18% improvement in service quality. The limitations were identified: the short-term effect, the risk of decreased quality, conflicts, and burnout. Differences were found between Russian and European practices. The results can be used by delivery service managers and logistics companies to design and upgrade courier motivation systems, as well as in research on personnel management in the digital economy

References

1. *Bril' A. R., Kalinina O. V., Sedyakina A. A.* Improving the assessment of organizational projects for personnel management in the context of digitalization of the economy // *Telescope*. – 2021. – No. 1.
2. *Buhonova N. M., Manukovskij R. I., Yakovlev A. V.* System of employee incentives for remote work: ways of development and innovation // *Modern economics: problems and solutions*. – 2024. – Vol. 8. – P. 27–41.
3. *Burdyugova O. V., Dokashenko L. V., Gorbunova M. V.* Digital tools in the system of motivation and incentives for the organization's personnel // *Bulletin of the Academy of Knowledge*. – 2024. – 3 (62). – P. 705–709.
4. *Dolgireva A. E., Dolgirev V. A.* Gamification as a means of personnel management in the restaurant business // *Bulletin of the Taganrog Institute of Management and Economics*. – 2023. – 3 (39). – P. 20–24.
5. Engaging and motivating crowd-workers in gamified crowdsourcing mobile apps in the context of logistics and sustainable supply chain management / A. Behl [et al.] // *Annals of Operations Research*. – 2023. – Aug. – Vol. 355, no. 2. – P. 2279–2309. – ISSN 1572-9338. – DOI: [10.1007/s10479-023-05557-2](https://doi.org/10.1007/s10479-023-05557-2).
6. Experience in conducting applied interdisciplinary research by a geographically distributed creative team / D. K. SHHeglov [et al.] // *Bulletin of the Concern VKO "Almaz-Antey"*. – 2021. – 3 (38). – P. 12–24.
7. From game design elements to gamefulness: defining “gamification” / S. Deterding [et al.] // *Proceedings of the 15th International Academic MindTrek Conference: Envisioning Future Media Environments*. – ACM, 09/2011. – P. 9–15. – (MindTrek'11). – DOI: [10.1145/2181037.2181040](https://doi.org/10.1145/2181037.2181040).
8. *Hamari J., Koivisto J., Sarsa H.* Does Gamification Work? – A Literature Review of Empirical Studies on Gamification // *2014 47th Hawaii International Conference on System Sciences*. – IEEE, 01/2014. – P. 3025–3034. – DOI: [10.1109/hicss.2014.377](https://doi.org/10.1109/hicss.2014.377).
9. *KÜp E. T., Türkmen A. D., Türkmen A.* A Gamification Framework for Crowdsourced Couriers: Turkish E-Commerce Logistic Company Case Study // *Management Science and Information Technology*. – IR, 2025. – Mar. – Vol. 2, no. 1. – DOI: [10.22034/ISS.2025.8415.1022](https://doi.org/10.22034/ISS.2025.8415.1022).
10. *Petrova A. V., Beloborodova Y. K.* Digital HR tools for hybrid employment. – 2025.
11. *Romanczeva E. E.* Gamification to increase staff motivation: Russian experience // *Bulletin of Economics, Law and Sociology*. – 2025. – No. 1. – P. 336–342.
12. *Ryan R. M., Deci E. L.* Self-determination theory and the facilitation of intrinsic motivation, social development, and well-being. // *American Psychologist*. – 2000. – Vol. 55, no. 1. – P. 68–78. – ISSN 0003-066X. – DOI: [10.1037/0003-066x.55.1.68](https://doi.org/10.1037/0003-066x.55.1.68).
13. *Santabarbara C., Royle T., Wei W.* ‘Beating the App’ or Pyrrhic Victories? Gamification, Workaholism and FoMo in UK Food-Delivery Platforms // *New Technology, Work and Employment*. – 2025. – Nov. – Vol. 41, no. 1. – P. 116–127. – ISSN 1468-005X. – DOI: [10.1111/ntwe.70013](https://doi.org/10.1111/ntwe.70013).
14. *Treiblmaier H., Rejeb A.* Exploring blockchain for disaster prevention and relief: A comprehensive framework based on industry case studies // *Journal of Business Logistics*. – 2023. – May. – Vol. 44, no. 4. – P. 550–582. – ISSN 2158-1592. – DOI: [10.1111/jbl.12345](https://doi.org/10.1111/jbl.12345).
15. *Werbach K., Hunter D.* For the Win: How Game Thinking Can Revolutionize Your Business. – Philadelphia : Wharton Digital Press, 2012. – 148 p.
16. *Zichermann G., Cunningham C.* Gamification by Design: Implementing Game Mechanics in Web and Mobile Apps. – Sebastopol : O'Reilly Media, 2011. – 210 p.

Service quality management as a factor of increasing the competitiveness of an enterprise in the context of the transformation of the consumer market

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Keywords: quality management, competitiveness, Kano model; SERVQUAL; ABC/XYZ analysis; quality management system; import substitution; GOST R ISO 9001.

In a highly competitive and structurally transformative retail market, systematic service quality management is becoming a critical factor in the sustainable development of retail chains. The aim of this study is to develop a set of measures to improve retail operations in the context of import substitution. This research utilizes a combined performance assessment analysis: quantitative diagnostics using SERVQUAL and a qualitative classification of consumer expectations using N. Kano's model. The analysis identified waste, including excess inventory, lack of quality control at the product distribution stages, high employee turnover, and fragmented customer feedback. A set of corrective measures was proposed, including the implementation of a three-tier quality control system, standardization, and digitalization of the feedback system. The practical significance of this study lies in the development of a roadmap for improving quality management at retailers undergoing supply chain restructuring

References

1. A New Regression Analysis Approach to Classify Quality Attributes in the Kano Model: An Empirical Test in the Sports Nutrition Industry : Collection of scientific articles of the XIII International scientific-practical conference / L. M. Danovich [et al.] // Scientific readings named after Professor N. E. Zhukovsky. December 21-22, 2022. – Krasnodar : Yug, 2023. – P. 370–374.
2. *Arapova E. Y., Balahonova S. I.* You can't leave if you want to stay: analysis of the behavior of European companies under sanctions pressure on Russia // *Modern Europe*. – 2025. – 1 (129). – P. 142–154.
3. *Barkova N. Y.* Radio frequency identification of data in retail: new business opportunities // *Bulletin of the State University of Management*. – 2021. – No. 1. – P. 45–51.
4. *Bogdanova D. R., Nuriahmetov A. I.* An approach to assessing clients' emotional satisfaction with services provided // *Modern high technology*. – 2024. – No. 1. – P. 8–13.
5. *Dubgorn A. S., Svetun'kov S. G., Zotova E. A.* Main problems of digital business transformation // *Global scientific potential*. – 2019. – Vol. 101, no. 8. – P. 116–120.
6. *Ermashkevich V. S.* Modern approaches to process automation in retail trade : materials of the XXI International Scientific and Technical Conference of Students, Postgraduate Students and Young Scientists // *Research and development in the field of mechanical engineering, energy and management*. – Gomel' : GGTU im. P. O. Suhogo, 2021. – P. 229–232.
7. *Grigor'eva E. M.* KANO method // *Economic research*. – 2023. – No. 2. – P. 54–57.
8. *Gryaznova N. L., Konovalova O. V., Pleshkova N. A.* Possibilities of the SERVQUAL method for analyzing service in retail trade // *Equipment and technology of food production*. – 2020. – No. 2. – P. 112–118.
9. *Gusejnov S. N., Esetova A. M.* Sanctions and digital transformation: challenges and prospects for Russian retail trade // *Regional problems of economic transformation*. – 2025. – 3 (173). – P. 54–62.
10. *Knizhnikova M. I., Kazakova D. E.* Service quality management in the competitive environment of the hotel industry // *Bulletin of the Association of Universities of Tourism and Service*. – 2022. – No. 1. – P. 60–67.
11. *Krasyuk I. A., Nogina O. R.* Development of electronic retail trade in Russia // *Practical Marketing*. – 2015. – 7 (221). – P. 3–8.
12. *Leshhenko D. V., Repnikova V. M.* Interest rate hedging as a tool for managing interest rate risk of a company // *Economics, entrepreneurship and law*. – 2025. – Vol. 15, no. 2. – P. 1113–1124.
13. *Lyamin B. M., Yanchevskaya M. Y., CHetvernin E. I.* Formation of a quality management system is a catalyst for improving the quality of services at enterprises in the tourism and hospitality industry in the context of international restrictions // *Science and Humanities Studies*. – 2024. – 2 (52). – P. 168–174.
14. *Mosoruk V. P.* Digital solutions in retail processes : materials of the All-Russian scientific and practical conference // *Modern trends and problems of science in the development of digital and innovative technologies*. – Moscow, 2023. – P. 367–376.
15. *Nefedova N. L., Sanditova B. D.* The "SERVQUAL" methodology as a tool for increasing innovative activity in service organizations // *Economy and society*. – 2022. – 11-2 (102). – P. 544–551.
16. SERVQUAL method for assessing the level of effectiveness of an educational institution's media portal / V. R. Ry'mshan [et al.] // *Bulletin of the Economic Scientific Society of Students and Postgraduate Students*. – 2025. – P. 286–296.
17. *Tueva N. V., Poddy'mova N. S.* Assessment of the client's psycho-emotional perception of the service using a modification of the Kano method : collection of scientific articles // *Materials and methods of innovative research and development*. – Moscow, 2016. – P. 188–195.
18. *Usova N. V., Loginov M. P.* Transformation of digital retail services: trends and prospects // *Bulletin of the Institute of Economic Research*. – 2025. – 2 (38). – P. 148–162.

FINANCE

PPP financing mechanism in regional social infrastructure: methods and tools

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Keywords: public-private partnership, PPP, social sphere, region, financing mechanism tools, social infrastructure, investment promotion, capital grant, equity capital, mezzanine capital, bank capital.

The article systematizes the key capital-raising tools for regional social PPP projects, including equity, debt, mezzanine capital, as well as state subsidies and capital grants. The author proposes and substantiates an adapted economic-mathematical model for calculating the weighted average cost of capital (WACC), taking into account specific regional risks, tax shield asymmetry for hybrid financial instruments, and the synergetic effect of non-repayable state co-financing

References

1. *Delmon Dzh.* Public-Private Partnerships in Infrastructure: A Practical Guide for Government Authorities. – Moscow : Al'pina Publisher, 2010. – 260 p.
2. *Jeskomb E. R.* Principles of project financing / trans. from the English by I. V. Vasil'evskoj. – Moscow : Al'pina Publisher, 2015. – 484 p.
3. *Jeskomb E. R.* Public-private partnership: basic principles of financing : trans. from the English by / ed. by R. F. Yabbarova. – Moscow : Al'pina Publisher, 2015. – 457 p.
4. *Petrov A. M.* Organizational mechanism for monitoring the movement of receivables and payables // Economic analysis: theory and practice. – 2006. – 18(75). – P. 54–62. – EDN HUVUSD.
5. *Petrov A. M.* Problems in preparing consolidated reporting at the automation stage // International accounting. – 2011. – 33(183). – P. 2–10. – EDN OBUZKT.
6. *Petrov A. M., Konyahin A. N.* Accounting policy when preparing the first financial statements in accordance with IFRS // International accounting. – 2013. – 11(257). – P. 2–15. – EDN PWOSZZ.
7. *Petrov A. M., Ly'mar' M. P.* Composition of financial statements in Russia and China // International accounting. – 2014. – 31(325). – P. 28–37. – EDN SJGHEP.
8. *Petrov A. M., Petrova O. A., Gajnutdinova M. N.* Stakeholder requirements for reporting information and digital technologies // Auditor. – 2021. – Vol. 7, no. 12. – P. 43–48. – DOI: [10.12737/1998-0701-2021-7-12-43-48](https://doi.org/10.12737/1998-0701-2021-7-12-43-48). – EDN COZALE.
9. *Petrova O. A.* Business social responsibility concept // Economic Sciences. – 2021. – No. 205. – P. 474–477. – DOI: [10.14451/1.205.474](https://doi.org/10.14451/1.205.474). – EDN VXFYMS.
10. *Petrova O. A.* The problem of implementing IFRS 19 “Employee Benefits” and its impact on reporting transparency in the digital economy // Economic Sciences. – 2021. – No. 204. – P. 317–320. – DOI: [10.14451/1.204.317](https://doi.org/10.14451/1.204.317). – EDN JUWCQS.

Risk matrix of wholesale trade enterprises and recommendations for taking risks into account in financial strategy formation

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Keywords: wholesale trade, wholesale trade enterprises, financial strategy, risks, risk management, risk matrix, working capital, financial stability.

The article examines a risk-oriented approach to the formation of financial strategy in wholesale trade enterprises. It is substantiated that the specifics of the industry increase the impact of credit, interest rate, inflation, logistics, counterparty, market, and managerial risks on the financial stability of enterprises. Based on the analysis of industry-specific features and empirical indicators of the risk environment, an analytical risk matrix is developed, linking risks with elements of financial strategy, possible consequences, and directions for their consideration. The article concludes that risk management should be incorporated into financial planning, working capital and liquidity management, cost control, debt management, and investment decision-making

References

1. Bankruptcy in Russia: 2025 / Fedresurs. – 2026.
2. *Blank I. A.* Financial strategy of the enterprise. – Kiev : E'l'ga; Nika-CZentr, 2010.
3. Dynamics of consumer prices. No. 12 (108). December 2024: informational and analytical commentary / Bank of Russia. – 2025.
4. Dynamics of consumer prices. No. 12 (72). December 2021: informational and analytical commentary / Bank of Russia. – 2022.
5. Dynamics of consumer prices. No. 12 (84). December 2022: informational and analytical commentary / Bank of Russia. – 2023.
6. Dynamics of consumer prices. No. 12 (96). December 2023: informational and analytical commentary / Bank of Russia. – 2024.
7. Dynamics of registration, liquidation and bankruptcy of companies in Russia / Contour.Focus. – 2025.
8. Economic and financial strategy / ed. by V. L. Kvinta. – Moscow : Izdatel'stvo Moskovskogo universiteta, 2024. – 247 p.
9. Financial business strategies in modern conditions : monograph / ed. by I. V. Politkovskoj, T. A. SHpil'kinoj. – Moscow, 2020.
10. Inflation in Russia. No. 12 (120). December 2025: informational and analytical commentary / Bank of Russia. – 2026.
11. *Ivanova A. Polyakova O. V.* Financial strategy and methodology for its development // Finance and credit. – 2014. – No. 22.

12. *Mihajlov M. A.* Optimization of sources of working capital in wholesale trade // Finance: theory and practice. – 2007. – No. 1. – P. 142–149.
13. *Minasyan G. S.* Factors in the formation of financial strategies of wholesale trade enterprises in modern economic conditions.
14. *Minasyan G. S.* The impact of digitalization on the choice of financial strategy for organizing wholesale trade // Scientific conference materials. – 2025.
15. *Minasyan G. S.* Wholesale trade in the Russian Federation: current trends and problems // Scientific conference materials. – 2024.
16. *Pochitaev A. Y.* Formation of a financial strategy for a public company based on a matrix approach : PhD thesis экономических наук : 08.00.10 / Pochitaev Aleksey Yur'evich. – Moscow, 2018. – 248 p.
17. *Semyonova Z., Zhurova A.* Review of matrix tools for assessing the strategic financial position of an enterprise / International Market Institute. – 2022.
18. *Smirnova Y. V.* Improving financial flow management at wholesale trade enterprises : PhD thesis экономических наук : 08.00.10 / Smirnova Yuliya Vladimirovna. – Ekaterinburg, 2004. – 179 p.
19. *Sokolova A. A.* Accounting and strategic analysis of cash flows in wholesale trade organizations : PhD thesis экономических наук : 08.00.12 / Sokolova Anastasiya Aleksandrovna. – Samara, 2009. – 310 p.
20. Sources of income and channels for selling goods in wholesale trade in the first quarter of 2024 / Rosstat. – 2024.
21. Sources of income and channels for selling goods in wholesale trade in the first quarter of 2025 / Rosstat. – 2025.
22. Sources of income and channels for selling goods in wholesale trade in the first quarter of 2026 / Rosstat. – 2026.
23. Trade in Russia : statistical collection. – Moscow, 2023. – 230 p.
24. Trade in Russia 2025 : statistical collection. – Moscow, 2025. – 97 p.

Institutional foundations of targeted microfinance for SMEs: functional systems principles and characteristics

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Keywords: targeted microfinance, small and medium-sized enterprises, институциональные пустоты, institutional voids, para-banking sector, microfinance principles, functional system.

Employing a historical-institutional analytical framework, the article shows that the emergence and development of SME-targeted microfinance are fundamentally shaped by cultural and institutional context, formulates core principles of targeted microfinance and identifies its systemic characteristics. The research advances the theoretical conceptualization of microfinance as a distinct institutional mechanism for SME financing and concludes that targeted SME microfinance constitutes an autonomous functional subsystem within the national financial architecture

References

1. A new reading of the theory of credit and banks : monograph. – Moscow : KnoRus, 2017. – 230 p.
2. *Abramova M. A., Aleksandrova L. S., Zaharova O. V.* Formation of high-quality infrastructure of the microfinance and credit cooperation market: foreign and Russian experience : monograph. – Moscow : KnoRus, 2016. – 228 p.
3. *Aganbegyan A. G.* Finance, budget and banks in the new Russia. – Moscow : Delo, 2019. – 400 p.
4. *Armendáriz B., Morduch J.* The Economics of Microfinance. – 2nd ed. – Cambridge, Mass. : MIT Press, 2010. – 468 p.
5. *Banerjee A., Besley T. J., Guinnane T. W.* The Neighbor's Keeper: the Design of a Credit Cooperative with Theory and a Test // *Quarterly Journal of Economics*. – 1994. – Vol. 109. – P. 491–515.
6. *Besley T.* Nonmarket Institutions for Credit and Risk Sharing in Low-Income Countries // *Journal of Economic Perspectives*. – 1995. – Vol. 9 (2). – P. 115–127.
7. *Besley T., Stephen C.* Group Lending, Repayment Incentives and Social Collateral // *Journal of Development Economics*. – 1995. – Vol. 46 (1). – P. 1–18.
8. *Bhargava B.* Indigenous Banking Ancient and Medieval India. – Bombay : D. B. Tarapovela Sons & Co, 1935. – 324 p.
9. Chit Funds as an Innovative Access to Finance for Low-income Households / M. Kapoor [et al.] // *Review of Market Integration*. – 2011. – Vol. 3 (1). – P. 287–333.
10. *Dowla A., Barua D.* The Poor Always Pay Back: The Grameen II Story. – 2006.
11. *Hollis A., Sweetman A.* Microcredit in Prefamine Ireland // *Explorations in Economic History*. – 1998. – Vol. 35 (4). – P. 347–380.

12. *Hulme D., Mosley P.* Finance Against Poverty. Vol. 1. – London : Routledge, 1996. – 240 p.
13. *Kanaev A. V., Kanaeva O. A.* Historical roots of sustainable banking // Finance and credit. – 2015. – 6 (630). – P. 16–26.
14. *Khandelwal A.* Microfinance Development Strategy for India // Economic and Political Weekly. – 2007. – Vol. 42 (13). – P. 1127–1135.
15. *Klejner G. B.* Economic paradigms, public ethics, socio-economic institutions: dynamics and relationships // Economic science of modern Russia. – 2024. – 2 (105). – P. 7–16.
16. *Klejner G. B.* System economics: steps of development : monograph. – Moscow : Nauchnaya biblioteka, 2021. – 746 p.
17. *Klejner G. B.* System paradigm as a theoretical basis for strategic economic management in modern conditions // Management Sciences. – 2023. – Vol. 13, no. 1. – P. 6–19.
18. *Krugman P. R., Obstfeld M., Melitz M. J.* International Economics: Theory and Policy. – 12th ed. – Boston : Pearson, 2023. – 817 p.
19. *Lambertini R.* The Monti di Pietà in the Middle Ages from a Privileged Point of View: the Marches // Journal for Markets and Ethics. – 2018. – Vol. 6 (1). – P. 21–25.
20. *Ledgerwood J.* Microfinance Handbook: an Institutional and Financial Perspective (Sustainable Banking with the Poor). – Washington : World Bank Publications, 1998. – 302 p.
21. *Mersland R., Strøm R. Ø.* Microfinance Costs, Lending Rates and Profitability // Handbook of Key Global Financial Markets, Institutions, and Infrastructure. – Oslo : OsloMet, Academic Press, 2013.
22. Microfinance in Russia // Proceedings of the international conference. – Moscow : Institut strategicheskogo analiza i razvitiya predprinimatel'stva, 1997. – P. 35.
23. *Seibel H.* Old and new worlds of microfinance in Europe and Asia. – London : Routledge, 2010. – 240 p.
24. *Seibel H.* Mainstreaming Informal Financial Institutions // Journal of Development Entrepreneurship. – 2001. – Vol. 6 (1). – P. 83–95.
25. *Skully M.* The Development of the Pawnshop Industry in East Asia. – Routledge, 1994. – 428 p.
26. *Yang L.* Money and Credit in China: A Short History. – Cambridge : Harvard University Press, 1952. – 143 p.
27. *ZHigas M.G Petrova I. A.* Microfinance trends in Russia // Baikal Research Journal. – 2018. – Vol. 9, no. 2. – P. 1.

Adaptation of the income approach to valuing B2B digital assets based on operating and web analytics metrics

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Keywords: digital assets, business valuation, intangible assets, income approach, DCF, web analytics, conversion, customer base, B2B, discount rate.

The article examines the valuation of digital assets of B2B companies whose value is generated not only by legal rights to a website, software code or domain name, but also by the asset's ability to attract target traffic, convert it into leads and generate future cash flows. The relevance of the study is determined by the growing importance of digital sales channels and by the limited applicability of traditional intangible asset valuation approaches in cases where the asset is deeply embedded in the operating model of a particular company. The purpose of the study is to develop and test an adapted income-based valuation algorithm for B2B digital assets using operating and web analytics metrics. The methodology includes an analysis of regulatory valuation approaches to intangible assets, a review of international research on software assets, customer base valuation and data-driven marketing, a case study, cash flow modeling, scenario analysis and sensitivity analysis. The empirical basis includes the AreaSteel.ru case, valuation report No. 531-18 dated 01.11.2018, web analytics data for 2020–2025, and a professional appraisal company's review confirming the practical approbation of the proposed logic. The result is a valuation model linking traffic, conversion, average transaction value, margin, risk profile and discount rate. The practical significance of the study lies in the use of the proposed algorithm in transactions, litigation, bankruptcy procedures and corporate formalization of digital assets

References

1. *Abodiy D. and Lev B. The Value Relevance of Intangibles: The Case of Software Capitalization // Journal of Accounting Research. – 1998. – Vol. 36. – P. 161–191. – DOI: [10.2307/2491312](https://doi.org/10.2307/2491312).*
2. Arbitration case No. A71-9102/2021. Materials of the case on the rights and assessment of the website AreaSteel.ru.

3. AreaSteel.ru web analytics data for 2020-2025. Screenshots of Yandex.Metrica reports.
4. Assessment report No. 531-18 dated 11/01/2018. Object of assessment: website AreaSteel.ru.
5. *Chaffey D., Patron M.* From Web Analytics to Digital Marketing Optimization: Increasing the Commercial Value of Digital Analytics // *Journal of Direct, Data and Digital Marketing Practice*. – 2012. – Vol. 14. – P. 30-45. – DOI: [10.1057/dddmp.2012.20](https://doi.org/10.1057/dddmp.2012.20).
6. Damodaran A. *Investment Valuation: Tools and Techniques for Determining the Value of Any Asset*. – 3rd ed. – Hoboken : Wiley, 2012. – 992 p.
7. Damodaran A. *The Dark Side of Valuation: Valuing Young, Distressed, and Complex Businesses*. – 3rd ed. – New York : FT Press, 2018. – 688 p.
8. Digital Transformation: A Multidisciplinary Reflection and Research Agenda / P. C. Verhoef [et al.] // *Journal of Business Research*. – 2021. – Vol. 122. – P. 889-901. – DOI: [10.1016/j.jbusres.2019.09.022](https://doi.org/10.1016/j.jbusres.2019.09.022).
9. Federal assessment standard “Structure of federal assessment standards and basic concepts used in federal assessment standards (FSO I)”: approved. by order of the Ministry of Economic Development of Russia dated April 14, 2022 No. 200.
10. Federal Law of July 29, 1998 No. 135-FZ “On Valuation Activities in the Russian Federation”.
11. Federal valuation standard “Valuation of intellectual property and intangible assets (FSO XI)”: approved. by order of the Ministry of Economic Development of Russia dated November 30, 2022 No. 659.
12. *Gupta S., Lehmann D. R., Stuart J. A.* Valuing Customers // *Journal of Marketing Research*. – 2004. – Vol. 41, no. 1. – P. 7-18. – DOI: [10.1509/jmkr.41.1.7.25084](https://doi.org/10.1509/jmkr.41.1.7.25084).
13. How to Improve Firm Performance Using Big Data Analytics Capability and Business Strategy Alignment / S. Akter [et al.] // *International Journal of Production Economics*. – 2016. – Vol. 182. – P. 113-131. – DOI: [10.1016/j.ijpe.2016.08.018](https://doi.org/10.1016/j.ijpe.2016.08.018).
14. International Accounting Standards Board. IAS 38 Intangible Assets / IFRS Foundation.
15. International Valuation Standards. Effective 31 January 2025. London: IVSC / International Valuation Standards Council. – 2024.
16. *Jarvinen J., Karjalainen H.* The Use of Web Analytics for Digital Marketing Performance Measurement // *Industrial Marketing Management*. – 2015. – Vol. 50. – P. 117-127. – DOI: [10.1016/j.indmarman.2015.04.009](https://doi.org/10.1016/j.indmarman.2015.04.009).
17. *Kannan P. K., Li H. A.* Digital Marketing: A Framework, Review and Research Agenda // *International Journal of Research in Marketing*. – 2017. – Vol. 34, no. 1. – P. 22-45. – DOI: [10.1016/j.ijresmar.2016.11.006](https://doi.org/10.1016/j.ijresmar.2016.11.006).
18. *Koller T., Goedhart M., Wessels D.* *Valuation: Measuring and Managing the Value of Companies*. – 7th ed. – Hoboken : Wiley, 2020. – 896 p.
19. *Kozyrev A. N.* Valuation of intangible assets and intellectual property. – Moscow : Interreklama, 2019. – 368 p.
20. *Lev B.* *Intangibles: Management, Measurement, and Reporting*. – Washington, DC : Brookings Institution Press, 2001. – 216 p.
21. *Muller O., Fay M., vom Brocke J.* The Effect of Big Data and Analytics on Firm Performance: An Econometric Analysis Considering Industry Characteristics // *Journal of Management Information Systems*. – 2018. – Vol. 35, no. 2. – P. 488-509. – DOI: [10.1080/07421222.2018.1451955](https://doi.org/10.1080/07421222.2018.1451955).
22. Order of the Ministry of Economic Development of Russia dated April 14, 2022 No. 200 (as amended on November 30, 2022) “On approval of federal valuation standards and on amendments to some orders of the Russian Ministry of Economic Development on federal valuation standards” (together with the Federal Valuation Standard “Structure of Federal Valuation Standards and Basic Concepts Used in Federal Valuation Standards (FSO I)”, Federal Valuation Standard “Types of Value (FSO II)”, Federal assessment standard “Assessment process (FSO III)”, Federal assessment standard “Assessment task (FSO IV)”, Federal assessment standard “Approaches and methods of assessment (FSO V)”, Federal assessment standard “Assessment report (FSO VI)”). – URL: https://www.consultant.ru/document/cons_doc_LAW_415358 (visited on 07/05/2026).
23. Review of LLC “Appraisal Company “Property Plus”” to the article by A. D. Bendak “Features of IT business valuation. Review of modern approaches” dated June 22, 2026. Ref. No. b/n.
24. *Rosenbaum J., Pearl J.* *Investment Banking: Valuation, LBOs, M&A, and IPOs*. – 3rd ed. – Hoboken : Wiley, 2020. – 496 p.

25. *Rust R. T., Lemon K. N., Zeithaml V. A.* Return on Marketing: Using Customer Equity to Focus Marketing Strategy // Journal of Marketing. – 2004. – Vol. 68, no. 1. – P. 109–127. – DOI: [10.1509/jmkg.68.1.109.24030](https://doi.org/10.1509/jmkg.68.1.109.24030).
26. *Tambe P.* Big Data Investment, Skills, and Firm Value // Management Science. – 2014. – Vol. 60, no. 6. – P. 1452–1469. – DOI: [10.1287/mnsc.2014.1899](https://doi.org/10.1287/mnsc.2014.1899).
27. *Wedel M., Kannan P. K.* Marketing Analytics for Data-Rich Environments // Journal of Marketing. – 2016. – Vol. 80, no. 6. – P. 97–121. – DOI: [10.1509/jm.15.0413](https://doi.org/10.1509/jm.15.0413).

WORLD ECONOMY

Modernization of the migration policy of the Kyrgyz Republic in view of the needs of regional labor markets

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Keywords: migration policy, labor migration, regional labor markets, internal migration, external labor migration, digitalization of migration services, migrant reintegration, employment, labor resources.

This article examines the current directions for modernizing the migration policy of the Kyrgyz Republic in view of the needs of regional labor markets. It analyzes scholarly approaches to the study of labor migration, the existing legal and regulatory framework, as well as current trends in both external and internal migration in the country. Particular attention is given to the relationship between migration processes and regional labor market imbalances, the digitalization of migration services, and the issues of adaptation and reintegration of returning migrants. Based on an analysis of academic literature, official statistical data, and regulatory legal acts, the priority areas for improving migration policy are identified. The study substantiates the need to shift toward a regionally oriented model of migration management aimed at more efficient use of labor resources and at reducing territorial disparities in employment

References

1. *Abidzhanov S., Mamy'tbek U. T.* Population migration and socio-economic development of Kyrgyzstan // Current problems in the humanities and natural sciences. – 2017. – No. 2–4. – URL: <https://cyberleninka.ru/article/n/migratsiya-naseleniya-i-sotsialno-ekonomicheskoe-razvitie-kyrgyzstana>.
2. *Attokurova A. A., Mamy'tov A. O.* Regional labor market and internal migration of the population of Kyrgyzstan // Current problems in the humanities and natural sciences. – 2016. – No. 11–1. – URL: <https://cyberleninka.ru/article/n/regionalnyy-rynok-truda-i-vnutrennyaya-migratsiya-naseleniya-kyrgyzstana>.
3. Baseline Mobility Assessment (BMA) Round 4; Migration Data Gap Analysis / IOM Kyrgyzstan. – URL: https://kyrgyzstan.iom.int/sites/g/files/tmzbd11321/files/documents/2025-01/kyrgyzstan_bma_r4.pdf.
4. *Bespalov D. A.* International labor migration as a factor of socio-economic development: based on materials from the Kyrgyz Republic : PhD thesis экономических наук : 08.00.01 / Bespalov Dmitriy Aleksandrovich. – Bishkek, 2009. – 160 p.
5. *Bondareva N. S., Kry'zhanova L. S.* International labor migration and development of the Kyrgyz economy // Vestnik KRSU. – 2025. – Vol. 25, no. 3. – P. 4–8. – DOI: [10.36979/1694-500X-2025-25-3-4-8](https://doi.org/10.36979/1694-500X-2025-25-3-4-8).

6. Decree of the Government of the Kyrgyz Republic dated August 6, 2020 No. 412 “On amendments to the Decree of the Government of the Kyrgyz Republic “On some issues in the field of labor migration in the Kyrgyz Republic” dated April 16, 2019 No. 175”. – URL: <https://www.gov.kg/ru/npa/s/2661>.
7. Decree of the President of the Kyrgyz Republic dated September 19, 2024 No. 268 “On measures to optimize migration processes in the Kyrgyz Republic”. – URL: <https://cbd.minjust.gov.kg/5-10820/edition/26039/ru>.
8. *E'rgeshbaev U. Z., Eshenova S. E., Muratova C. K.* Modern external labor migration of the population of Kyrgyzstan // Bulletin of TSUPBP. – 2016. – No. 1. – URL: <https://cyberleninka.ru/article/n/sovremennaya-vneshnyaya-trudovaya-migratsiya-naseleniya-kyrgyzstana>.
9. *Kramarenko A. I.* On the issue of improving the management of external labor migration in the Kyrgyz Republic // Vestnik KRSU. – 2019. – Vol. 19, no. 11. – P. 7–10. – URL: <https://vestnik.krsu.kg/archive/58/2260>.
10. *Kry'zhanova L. S., Subacheva L. A.* The role and significance of labor migration for the national labor market in the context of expanding integration ties // Vestnik KRSU. – 2019. – Vol. 19, no. 11. – P. 11–18. – URL: <https://vestnik.krsu.kg/archive/58/2261>.
11. Law of the Kyrgyz Republic dated January 13, 2006 No. 4 “On external labor migration”. – URL: <https://cbd.minjust.gov.kg/4-1717/edition/1264753/ru>.
12. *Mamy'tbek U. T.* Labor market and regional migration of the population of Kyrgyzstan // Current problems in the humanities and natural sciences. – 2017. – No. 2–4. – URL: <https://cyberleninka.ru/article/n/rynok-truda-i-regionalnaya-migratsiya-naseleniya-kyrgyzstana>.
13. *Namatov Z. Z.* Trends in labor migration in the Kyrgyz Republic at the present stage // Vestnik KRSU. – 2016. – Vol. 16, no. 2. – P. 67–70. – URL: <https://arch.kyrlibnet.kg/?&npage=view&nadd=16619>.
14. Open data: unemployment rate by region 2020–2024 / National Statistical Committee of the Kyrgyz Republic. – URL: <https://stat.gov.kg/ru/opendata/category/113>.
15. Personal remittances, received (% of GDP) – Kyrgyz Republic / World Bank Data. – URL: <https://data.worldbank.org/country/kyrgyz-republic>.
16. *Pesci E.* and *Dzhamangulov K.* Active Labour Market Policies in the Kyrgyz Republic: Addressing Employment Barriers for a More Inclusive Labour Market? // Academy Policy Briefs. – 2023. – Vol. 90. – URL: <https://researchportal.helsinki.fi/fi/publications/active-labour-market-policies-in-the-kyrgyz-republic-addressing-e>.
17. PROTECT project “Improving Migration Management in Selected Silk Routes and Central Asian Countries” launches in Osh, Kyrgyzstan / International Centre for Migration Policy Development. – 2024. – URL: <https://www.icmpd.org/news?L=0&cHash=d242193dad7ef1caa4dc827572851068&page=13>.
18. Resolution of the Cabinet of Ministers of the Kyrgyz Republic dated December 2, 2024 No. 721 “On issues of regulating labor migration of foreign citizens and stateless persons in the Kyrgyz Republic”. – URL: <https://cbd.minjust.gov.kg/7-36252/edition/23091/ru>.
19. *Ry'skulov I. A., Il'yazova N. B.* The current state of the labor market and labor migration in the Kyrgyz Republic // Bulletin of Adygea State University. Episode 5: Economics. – 2017. – 1 (195). – URL: <https://cyberleninka.ru/article/n/sovremennoe-sostoyanie-rynka-truda-i-trudovaya-migratsiya-v-kyrgyzskoy-respublike>.
20. *SHabolotov T. T.* Typical and specific problems of migration processes // Vestnik KRSU. – 2012. – Vol. 12, no. 8. – P. 46–49. – URL: <https://arch.kyrlibnet.kg/uploads/KRSUSHABOLOTOVT.T.2012-8.pdf>.
21. *Sy'dy'galieva B. A.* Demographic and socio-economic aspects of educational migration in the Kyrgyz Republic : PhD thesis экономических наук : 5.4.3. / Sy'dy'galieva Begimaj Abdy'rajy'movna. – 2025. – 171 p.
22. *Tulegenov T., Ismanov T. K., Kulalieva G. T.* Organizational and legal regulation of labor migration in the Kyrgyz Republic // E3S Web of Conferences / ed. by P. G. Grabovyi, T. V. Le, Y. A. Laamarti. – 2024. – Vol. 535. – P. 02007. – ISSN 2267-1242. – DOI: [10.1051/e3sconf/202453502007](https://doi.org/10.1051/e3sconf/202453502007).

The Role of International Institutions in the Development of the Trade Conflict between the United States and China

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Keywords: global governance, institutional fragmentation, US-China trade conflict, WTO, dispute settlement mechanism, G7, G20, BRICS, geoeconomics competition, polycentricity.

The article examines the role of multilateral international institutions amid the US-China trade conflict. It analyses the functions of the WTO, the US system, and club formats (G7, G20, BRICS) in the context of growing geoeconomics fragmentation. Drawing on neoliberal institutionalism and international regimes theory, the study identifies a functional redistribution between universal and club institutions. The former retain normative and legitimating functions while losing enforcement capacity, whereas practical policy coordination shifts toward club formats. The findings contribute to understanding the transformation of global governance architecture under a polycentric world order

References

1. Board of Peace. – 2026.
2. *Brandi C.* Club governance and legitimacy: The perspective of old and rising powers on the G7 and the G20 // *South African Journal of International Affairs*. – 2019. – Oct. – Vol. 26, no. 4. – P. 685–702. – ISSN 1938-0275. – DOI: [10.1080/10220461.2019.1697354](https://doi.org/10.1080/10220461.2019.1697354).
3. *Braterskij M. V.* Introduction. Fragmentation vs globalization // *Current problems in Europe*. – 2024. – No. 1. – P. 7–17. – DOI: [10.31249/ape/2024.01.01](https://doi.org/10.31249/ape/2024.01.01).
4. *Clayton C., Maggiori M., Schreger J.* A Theory of Economic Coercion and Fragmentation. NBER Working Paper no. 33309, December 2024 (revised April 2025). – 2024. – DOI: [10.3386/w33309](https://doi.org/10.3386/w33309).
5. Dispute Settlement Case DS543 – United States – Tariff Measures on Certain Goods from China. Summary of the Dispute to Date. 3 November 2023 / World Trade Organization. – 2023.
6. Dispute Settlement Case DS558 – China – Additional Duties on Certain Products from the United States. Summary of the Dispute to Date / World Trade Organization. – 2023.
7. G20 New Delhi Leaders' Declaration. 9–10 September 2023 / G20. – 2023.
8. G7 Apulia Leaders' Communiqué. 14 June 2024 / G7. – 2024.

9. General Assembly High-level Week 2024. New York: United Nations / United Nations. – 2024. – URL: <https://www.un.org/en/high-level-week-2024> (visited on 02/20/2026).
10. Global Trade Update: Policy Insights. Top Trends Redefining Global Trade in 2026. Geneva: United Nations / UNCTAD. – 2026.
11. *Hellmann G., Wolf R.* Neorealism, Neoliberal Institutionalism, and the Future of NATO // *Security Studies*. – 1993. – Vol. 3, no. 1. – P. 3–43.
12. *Lanczov S. A.* Institutional factors in world politics (analysis of the main directions of modern theory international relations) // *Politeks*. – 2011. – Vol. 7, no. 1. – P. 207–221. – URL: https://www.elibrary.az/docs/jurnal/jrn2011_982.pdf.
13. *N. H.* Beijing Unveils Competing Vision for Gaza After Rejecting US-Led Initiative. *Modern Diplomacy*, 26 February 2026. – 2026.
14. Resolution 74/200. Unilateral Economic Measures as a Means of Political and Economic Coercion against Developing Countries. A/RES/74/200. 19 December 2019 / United Nations General Assembly. – 2019.
15. The Appellate Body Crisis. Stockholm: National Board of Trade Sweden / National Board of Trade Sweden. – 2023.
16. Trade and Development Report 2025. Chapter I: Current Trends and Challenges in the Global Economy. Geneva: United Nations / UNCTAD. – 2025.
17. Trade Policy Review. Report by the Secretariat. United States. Revision. WT/TPR/S/434/Rev.1. 12 May 2023 / World Trade Organization. – 2023. – 299 p.
18. XV BRICS Summit Johannesburg II Declaration: BRICS and Africa: Partnership for Mutually Accelerated Growth, Sustainable Development and Inclusive Multilateralism. 23 August 2023. – 2023.

Digitalization as a driver of growth in the penetration of credit products among the population in the global financial market

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Keywords: retail lending, digitalization, penetration of credit products among the population, causal effect, customer acquisition and retention, scoring, digital footprint, dynamic pricing, P2P lending, financial accessibility.

The article substantiates that digitalization is a causal (and not just a concomitant) driver of the growth in the penetration of credit products among the population in the global retail lending market. Based on empirical studies identifying the causal effect in the credit market (exogenous variation, discontinuous design, endogeneity correction methods), the authors show the mechanism of this influence and structure it along two contours of the customer cycle: attraction (sales channels and new products) and retention (rapid automated scoring and personal pricing). Quantitative data from the World Bank, the Bank of Russia, the IMF, and consulting companies show that global account ownership has grown from 51% of adults in 2011 to 79% in 2024. The share of new digital products on the market is estimated and the thesis that a number of them are fundamentally impossible outside the digital environment is substantiated

References

1. 2024 Annual Report / Upstart Holdings, Inc. – 2025. – URL: <https://ir.upstart.com> (visited on 05/28/2026).
2. Account Aggregator for Lenders: Complete 2026 Guide / Precisa. – 2026. – URL: <https://precisa.in/blog/account-aggregator-lenders-guide-2026/> (visited on 05/28/2026).
3. *Afanasyeva O. N., Nefedov D. A.* Global retail lending market in the context of digitalization: index assessment and risk systematization : Proceedings of the XXIII International Scientific and Practical Conference, Simferopol - Gurzuf, April 13–15, 2026. // Theory and practice of economics and entrepreneurship. – Simferopol', 2026. – P. 188–192. – ISBN 978-5-6054802-8-0.
4. *Afanasyeva O. N., Nefedov D. A.* Theoretical concepts of digitalization of retail lending and their application in the global financial market // Economic Sciences. – 2025. – 10 (251). – P. 313–319. – DOI: [10.14451/1.251.313](https://doi.org/10.14451/1.251.313).

5. Analysis of trends in the retail lending segment based on credit history bureau data. First half of 2025 / Central Bank of the Russian Federation. – 2025. – URL: https://www.cbr.ru/Collection/Collection/File/59477/inf-material_bki_2025fh.pdf (visited on 05/28/2026).
6. Cevik S. Promise (Un)kept? Fintech and Financial Inclusion : IMF Working Paper WP/24/131 / International Monetary Fund. – 2024. – 21 p.
7. Coinbase's Bitcoin-Backed Loans Surpass \$1B as Exchange Prepares to Lift Borrowing Cap / CoinDesk. – 2025. – URL: <https://www.coindesk.com/markets/2025/09/30> (visited on 05/28/2026).
8. Di Maggio M., Ratnadiwakara D., Carmichael D. Invisible Primes: Fintech Lending with Alternative Data. – 2026.
9. Embedded Lending Market Size, Industry Report 2033 / Grand View Research. – 2025. – URL: <https://www.grandviewresearch.com/industry-analysis/embedded-lending-market-report> (visited on 05/28/2026).
10. How do machine learning and non-traditional data affect credit scoring? Evidence from a Chinese fintech firm : BIS Working Paper No. 834 / L. Gambacorta [et al.] ; Bank for International Settlements. – Basel, 2019. – 32 p.
11. How Household Debt Levels Have Evolved / Statista. – 2025. – URL: <https://www.statista.com/chart/33375/timeline-of-household-debt-ratio-in-selected-countries/> (visited on 05/28/2026).
12. Kumar S., Singh K. P. FinTech is enabler or disruptive to the Banking Industry: An analytical study // World Journal of Advanced Research and Reviews. – 2022. – Vol. 16, issue 1. – P. 209–218.
13. Mashoene M., Tweneboah G., Schaling E. FinTech and financial inclusion in emerging and developing economies: a system GMM model // Cogent Social Sciences. – 2025. – Apr. – Vol. 11, no. 1. – ISSN 2331-1886. – DOI: [10.1080/23311886.2025.2491701](https://doi.org/10.1080/23311886.2025.2491701).
14. On the Rise of FinTechs: Credit Scoring Using Digital Footprints / T. Berg [et al.] // The Review of Financial Studies. – 2020. – Vol. 33, issue 7. – P. 2845–2897.
15. Peer-to-Peer (P2P) Lending Market Size to Exceed USD 1,380.80 Billion by 2034 / Precedence Research. – 2025. – URL: <https://www.precedenceresearch.com/peer-to-peer-lending-market> (visited on 05/28/2026).
16. Reports Fourth Quarter and Full Year 2025 Financial Results / Nu Holdings Ltd. – 2026. – URL: <https://international.nubank.com.br/company> (visited on 05/28/2026).
17. Tang H. Peer-to-Peer Lenders Versus Banks: Substitutes or Complements? // The Review of Financial Studies. – 2019. – Vol. 32, issue 5. – P. 1900–1938.
18. The Global Findex Database 2025 / World Bank Group. – 2025. – URL: <https://www.worldbank.org/en/publication/globalfindex/report> (visited on 05/28/2026).
19. Vaganova N. V. Technological innovations in the global banking sector of the economy // News of the Southwestern State University. Series: Economics. Sociology. Management. – 2020. – Vol. 10, no. 1. – P. 207–217.

U.S.–China competition: from economic cooperation to techno-economic decoupling

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Keywords: United States, China, technological competition, techno-economic frameworks, decoupling, global value chains.

This article examines the competition between the United States and China as a continuous process that has progressed through a series of stages, ranging from trade and economic cooperation to structural decoupling between the two countries in the economic and technological spheres. The author proposes a periodization of U.S.-China competition and identifies the structural challenges and distinctive features of each stage

References

1. Addition of Certain Persons to the Entity List and Removal of Person from the Entity List / Federal Register. – URL: <https://www.federalregister.gov/documents/2015/02/18/2015-03321/addition-of-certain-persons-to-the-entity-list-and-removal-of-person-from-the-entity-list-based-on-a> (visited on 05/27/2026).
2. CFIUS Reform Under FIRRMA / Congressional Research Service. – URL: https://www.congress.gov/crs_external_products/IF/PDF/IF10952/IF10952.14.pdf (visited on 05/27/2026).
3. *CHubarov I. G.* Five components of China's "One Belt, One Road" foreign economic policy // International analytics. – 2018. – No. 3. – P. 45–58.
4. *Danilin I. V.* US-China technology war: risks and opportunities for China and the global technology sector // Comparative Politics. – 2020. – No. 4. – P. 160–176.
5. Decoupling in international business: Evidence, drivers, impact, and implications for IB research / M. A. Witt [et al.] // Journal of World Business. – 2023. – Jan. – Vol. 58, no. 1. – P. 101399. – ISSN 1090-9516. – DOI: [10.1016/j.jwb.2022.101399](https://doi.org/10.1016/j.jwb.2022.101399).
6. *Degtarev D. A., Piskunov D. A., Eremin A. A.* 5G competition between the USA and China in Latin America: at the origins of technological decoupling // Policy. Political Studies. – 2023. – No. 3. – P. 20–37.
7. Export Administration Regulations: Amendments to General Prohibition Three; Foreign-Produced Direct Product Rule / Federal Register. – URL: <https://www.federalregister.gov/documents/2020/05/19/2020-10856/export-administration-regulations-amendments-to-general-prohibition-three-foreign-produced-direct> (visited on 05/27/2026).
8. Export Control System and the Export Control Reform Act of 2018 / Congressional Research Service. – URL: https://www.congress.gov/crs_external_products/R/PDF/R46814/R46814.5.pdf (visited on 05/27/2026).

9. Framework for Artificial Intelligence Diffusion / Federal Register. — URL: <https://www.federalregister.gov/documents/2025/01/15/2025-00636/framework-for-artificial-intelligence-diffusion> (visited on 05/27/2026).
10. From the US-China decoupling to a multifoci network: MNCs' adaptive responses / M. T. B. Hossain [et al.] // Business Horizons. — 2026. — May. — Vol. 69, no. 3. — P. 319–334. — ISSN 0007-6813. — DOI: [10.1016/j.bushor.2025.04.007](https://doi.org/10.1016/j.bushor.2025.04.007).
11. Grachikov E. N., Danilov V. A., Degterev D. A. Competition between the USA and China: opportunities for Russia : monograph / ed. by D. A. Degtereva. — Moscow : Aspekt Press, 2024. — 300 p.
12. Grigor'ev L. M., ZHaronkina D. V. China's economy: thirty years of overtaking development // Bulletin of international organizations. — 2024. — Vol. 19, no. 1. — P. 176–200.
13. Han P., Jiang W., Mei D. Mapping U.S.-China Technology Decoupling: Policies, Innovation, and Firm Performance // Management Science. — 2024. — Dec. — Vol. 70, no. 12. — P. 8386–8413. — ISSN 1526-5501. — DOI: [10.1287/mnsc.2022.02057](https://doi.org/10.1287/mnsc.2022.02057). — URL: <http://dx.doi.org/10.1287/mnsc.2022.02057>.
14. International political economy of the ICT industry / V. Grigor'evskij [et al.] // World economy and international relations. — 2023. — Vol. 67, no. 3. — P. 5–19.
15. Ji X., Rana P. B. A Deal that Does Not Die: The United States and the Rise, Fall and Future of the (CP)TPP // Pacific Focus. — 2019. — Aug. — Vol. 34, no. 2. — P. 230–255. — ISSN 1976-5118. — DOI: [10.1111/pafo.12143](https://doi.org/10.1111/pafo.12143).
16. Kuz'min V. A., Portanskij A. P. USA - China: economic security factor increases geo-economic fragmentation // Bulletin of international organizations. — 2025. — Vol. 20, no. 1. — P. 7–30.
17. Minerals Security Partnership / U.S. Department of State. — URL: <https://2021-2025.state.gov/minerals-security-partnership/> (visited on 05/27/2026).
18. Permanent Normal Trade Relations and, U. S.-China Tariffs / Congressional Research Service. — URL: <https://www.congress.gov/crs-product/IF12980> (visited on 05/27/2026).
19. Presidential Order Regarding Proposed Acquisition Controlling Interest / The White House Archives. — URL: <https://obamawhitehouse.archives.gov/the-press-office/2016/12/02/presidential-order-regarding-proposed-acquisition-controlling-interest> (visited on 05/27/2026).
20. Press Release HP417 / U.S. Department of the Treasury. — URL: <https://home.treasury.gov/news/press-releases/hp417> (visited on 05/27/2026).
21. Press Release SM0157 / U.S. Department of the Treasury. — URL: <https://home.treasury.gov/news/press-releases/sm0157> (visited on 05/27/2026).
22. Realpolitik in “digital”: sovereignty, alliances and non-alignment of the 21st century : report of the Valdai International Discussion Club / A. Bezrukov [et al.]. — 2021. — 17 p.
23. Research and development expenditure (% of GDP), China / World Bank. — URL: <https://data.worldbank.org/indicator/GB.XPD.RSDV.GD.ZS?locations=CN> (visited on 05/27/2026).
24. Securing Semiconductor Supply Chains in the Indo-Pacific Economic Framework for Prosperity / Center for Strategic, International Studies. — URL: <https://www.csis.org/analysis/securing-semiconductor-supply-chains-indo-pacific-economic-framework-prosperity> (visited on 05/27/2026).
25. The Lose-Lose Consequence: Assessing US-China Trade Decoupling through the Lens of Global Value Chains / Y. Hu [et al.] // Management and Organization Review. — 2021. — May. — Vol. 17, no. 2. — P. 429–446. — ISSN 1740-8784. — DOI: [10.1017/mor.2021.19](https://doi.org/10.1017/mor.2021.19).
26. U.S. Export Controls and China: Advanced Semiconductors. Report R48642 / Congressional Research Service. — URL: <https://www.congress.gov/crs-product/R48642> (visited on 05/27/2026).
27. USTR Announces Initiation of Section 301 Investigation of China / Office of the United States Trade Representative. — URL: <https://ustr.gov/about-us/policy-offices/press-office/press-releases/2017/august/ustr-announces-initiation-section> (visited on 05/27/2026).
28. World Development Indicators / World Bank. — URL: <https://databank.worldbank.org/source/world-development-indicators/preview/on> (visited on 05/27/2026).
29. World Integrated Trade Solution: Country Profile - United States / World Bank. — URL: <https://wits.worldbank.org/CountryProfile/en/Country/USA/StartYear/1992/EndYear/2023/TradeFlow/Export/Partner/ALL/Indicator/XPRT-TRD-VL> (visited on 05/27/2026).

30. Zhang K. H. U.S.-China Economic Links and Technological Decoupling // *The Chinese Economy*. – 2023. – Feb. – Vol. 56, no. 5. – P. 353–365. – ISSN 1558-0954. – DOI: [10.1080/10971475.2023.2173399](https://doi.org/10.1080/10971475.2023.2173399).
31. Zhang X., Luo W., Xiang D. Strategic emerging industries and innovation: Evidence from China // *International Review of Economics & Finance*. – 2025. – Mar. – Vol. 98. – P. 103858. – ISSN 1059-0560. – DOI: [10.1016/j.ieref.2025.103858](https://doi.org/10.1016/j.ieref.2025.103858).

The Role of BRICS in the Global Economy: How the Association Affects International Investment

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Keywords: BRICS, foreign direct investment, sustainable development, New Development Bank, de-dollarization, international capital flows, institutional transformation, global economy, emerging markets.

The relevance of this study stems from the association's transformation into an institutional player. The methodology is based on comparative and statistical analysis. The strengthening role of the New Development Bank as a driver of infrastructure projects is demonstrated. The theoretical significance lies in the development of an eclectic paradigm for coalition market formats. The practical value lies in the substantiation of mechanisms for de-dollarization and mitigation of currency risks

References

1. Braga J. P., De Conti B., Magacho G. The New Development Bank (NDB) as a mission-oriented institution for just ecological transitions: a case study approach to BRICS sustainable infrastructure investment // *Revista Tempo do Mundo*. – 2022. – No. 29. – P. 139–164. – DOI: [10.38116/rtm29art5](https://doi.org/10.38116/rtm29art5).
2. Dunning J. H. The Eclectic Paradigm as an Envelope for Economic and Business Theories of MNE Activity // *International Business Review*. – 2000. – Vol. 9, no. 2. – P. 163–190. – DOI: [10.1016/S0969-5931\(99\)00035-9](https://doi.org/10.1016/S0969-5931(99)00035-9).
3. Farran R., Magash T. BRICS' De-Dollarization Agenda: Reimagining the Global Financial Landscape // *Global Financial Review*. – 2024. – P. 1–5.
4. Global Developments in Central Bank Digital Currency. – IGI Global, 06/2024. – ISBN 9798369355909. – DOI: [10.4018/979-8-3693-5588-6](https://doi.org/10.4018/979-8-3693-5588-6).

5. *Gomulina A. A.* Justification of the essence of BRICS+ as a global association of a new type: diversity of approaches and possibilities for systematization // Theoretical economics. – 2025. – No. 7. – P. 149–163.
6. *Inderst G.* Financing Development: Private Capital Mobilization and Institutional Investors // SSRN Electronic Journal. – 2021. – DOI: [10.2139/ssrn.3806742](https://doi.org/10.2139/ssrn.3806742).
7. International Debt Statistics 2023 / World Bank Group. – URL: <https://documents1.worldbank.org/curated/en/099146012112331629/pdf/IDU0e959f3f60973404af0088210e669e5f07689.pdf> (visited on 05/13/2026).
8. *Kaushik S., Mahipal P., Patel M.* BRICS Expansion: Reshaping Global Economic Governance // ShodhKosh: Journal of Visual and Performing Arts. – 2024. – Vol. 5, no. 6. – P. 3129–3136. – DOI: [10.29121/shodhkosh.v5.i6.2024.3635](https://doi.org/10.29121/shodhkosh.v5.i6.2024.3635).
9. *Kirton Dzh. Dzh., Larionova M. V.* BRICS. First 15 years of cooperation // Bulletin of international organizations: education, science, new economy. – 2022. – Vol. 17, no. 2. – P. 7–30.
10. *Narula R.* Policy opportunities and challenges from the COVID-19 pandemic for economies with large informal sectors // Journal of International Business Policy. – 2020. – Vol. 3, no. 3. – P. 302–310.
11. New Development Bank. Annual Report 2024: Scaling Up Sustainable Infrastructure for the Global South. – Shanghai : NDB Publications. – URL: https://www.ndb.int/wp-content/uploads/2025/12/NDB_AnnualReport2024_10Dec25.pdf (visited on 05/13/2026).
12. *Obstfeld M., Rogoff K. S.* Global imbalances and the financial crisis: products of common causes // Proceedings of the Asia Economic Policy Conference. – San Francisco : Federal Reserve Bank, 2009. – P. 131–172.
13. *Rodrik D.* The Real Exchange Rate and Economic Growth: Theory and Evidence // Brookings Papers on Economic Activity. – 2018. – Vol. 39, no. 2. – P. 365–412.
14. *SHorkin A. D.* BRICS BRIDGE strategy for world order // Scientific notes of the Crimean Federal University named after V.I. Vernadsky. Philosophy. Political science. Cultural studies. – 2025. – Vol. 11, no. 2. – P. 104–116. – DOI: [10.29039/2413-1695-2025-11-2-104-116](https://doi.org/10.29039/2413-1695-2025-11-2-104-116).
15. The impact of the US dollar on international currency liquidity in modern realities / T. G. Rebrina [et al.] // Bulletin of the Altai Academy of Economics and Law. – 2023. – No. 12/3. – P. 465–470. – DOI: [10.17513/vaael.3197](https://doi.org/10.17513/vaael.3197).
16. World Investment Report 2023: Investing in Sustainable Energy for All / UNCTAD. – URL: https://unctad.org/system/files/official-document/wir2023_en.pdf (visited on 05/13/2026).
17. *Ye F.* The New Development Bank and the structure of the multilateral development financial system // Review of Development Economics. – 2023. – Vol. 27, no. 4. – P. 1957–1972. – DOI: [10.1111/rode.12995](https://doi.org/10.1111/rode.12995).

MANAGEMENT

Formation of the strategic role of an entrepreneur in terms of delegation of operational management

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Keywords: entrepreneur, business owner, strategic management, operational management, delegation of authority, CEO, succession, corporate governance, professional management, business scaling.

The article examines the transformation of the entrepreneur's role when operational management is delegated to professional management. The need to form a CEO role, transfer authority together with responsibility, and move the owner toward strategic ownership is substantiated

References

1. *Antonov V. G., Maslennikov V. V.* Navigator for an effective business owner // *Management Sciences*. – 2013. – No. 3. – P. 26–35.
2. *Antonov V. G., Maslennikov V. V.* Strategic management for the owner // *Vestnik GUM*. – 2014. – No. 6. – P. 13–22.
3. *Arsenova E. V.* The problem of corporate governance and the main factors of its development // *Modern trends in economics and management: a new look*. – 2013. – No. 23.
4. *Buhvalov A. V.* Corporate governance as an object of scientific research // *Russian Journal of Management*. – 2005. – Vol. 3, no. 3. – P. 81–96.
5. *Eisenhardt K. M.* Agency Theory: An Assessment and Review // *Academy of Management Review*. – 1989. – Vol. 14, no. 1. – P. 57–74.
6. *Fama E. F., Jensen M. C.* Separation of Ownership and Control // *Journal of Law and Economics*. – 1983. – Vol. 26, no. 2. – P. 301–325.
7. *Frik O. V.* Theoretical aspects of the culture of delegation of authority in an organization // *Theory and practice of service: economics, social sphere, technology*. – 2024. – 3 (61).
8. *Gerber V. H.* Main trends in delegation of authority // *Socio-economic sciences and humanities studies*. – 2015. – No. 9.
9. *Griczaj I. I.* Agency problem in corporate governance // *Education and law*. – 2023. – No. 2.
10. *Hambrick D. C., Mason P. A.* Upper Echelons: The Organization as a Reflection of Its Top Managers // *Academy of Management Review*. – 1984. – Vol. 9, no. 2. – P. 193–206.
11. *Jensen M. C., Meckling W. H.* Theory of the Firm: Managerial Behavior, Agency Costs and Ownership Structure // *Journal of Financial Economics*. – 1976. – Vol. 3, no. 4. – P. 305–360.

12. *Kalendzhyan S. O., Kostenkova T. Y., Gumilevskaya O. V.* Delegation of powers in corporate governance practice // Russian Foreign Economic Bulletin. – 2016. – No. 7. – P. 108–119.
13. *Kolesnichenko E. A., Radyukova Y. Y., Kuz'min A. V.* Improving the system of delegation of authority in the organization // Models, systems, networks in economics, technology, nature and society. – 2018. – 2 (26).
14. *Koren'kova T. V., CHekan A. A.* Problems of delegation of authority in the process of personnel management of industrial organizations // Vestnik GUM. – 2013. – No. 12.
15. *Kostenko N. N.* Agency problem in corporate governance: essence, causes, main approaches to resolution // Economics and business: theory and practice. – 2023. – 1 (37).
16. *Litau E. Y.* Functional differentiation of entrepreneur and manager and its significance for the process of establishing a management system for small developing enterprises // Current issues in economic sciences. – 2013. – No. 34. – P. 42–50.
17. *Molchanova N. S.* The problem of delegation of authority in an organization // Scientific Bulletin of the Moscow State Technical University of Civil Aviation. – 2006. – No. 110. – P. 95–98.
18. *Ravshanov A. S.* Agency problem: a problem between the owners, shareholders and management of the company // Economics and business: theory and practice. – 2020. – 2 (134).
19. *SHirokova G. V., Knat'ko D. M.* The influence of the entrepreneur's personality on the development of the organization // Bulletin of St. Petersburg University. Management. – 2008. – No. 1.
20. *Skamaj L. G.* Entrepreneurial management: an innovative component of training modern managers // Vestnik GUM. – 2012. – No. 7.
21. *Wasserman N.* Founder-CEO Succession and the Paradox of Entrepreneurial Success // Organization Science. – 2003. – Vol. 14, no. 2. – P. 149–172.

Strategic model for identifying business scaling points under conditions of structural transformation of the economic environment

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Keywords: business scaling, strategic management, digital transformation, trends, business model, productivity, structural change, management, economics.

The article proposes a model for identifying business scaling points based on external trends, structural deficits, and organizational readiness under market transformation conditions. Key strategic growth factors and implementation conditions are defined

References

1. *Adner R.* Ecosystem as Structure: An Actionable Construct for Strategy // Journal of Management. – 2017. – Vol. 43, no. 1. – P. 39–58. – DOI: [10.1177/0149206316678451](https://doi.org/10.1177/0149206316678451).

2. *Afanas'ev A. A.* Technological sovereignty: main policy directions to achieve it in modern Russia // Issues of innovative economics. – 2022. – Vol. 12, no. 4. – P. 2193–2212. – DOI: [10.18334/vinec.12.4.116433](https://doi.org/10.18334/vinec.12.4.116433).
3. *Avdeeva I. L., Azieva Z. I., Utevskaia A. P.* Development of technological entrepreneurship to ensure the technological sovereignty of the Russian Federation // Science and Humanities Studies. – 2023. – 2 (46). – P. 10–16.
4. *Azoev G. L., Sumarokova E. V., Kotova A. N.* Marketing approach to scaling the business of an innovative startup // University Bulletin. – 2023. – No. 9. – P. 38–47. – DOI: [10.26425/1816-4277-2023-9-38-47](https://doi.org/10.26425/1816-4277-2023-9-38-47).
5. *Chesbrough H.* Business Model Innovation: Opportunities and Barriers // Long Range Planning. – 2010. – Vol. 43, no. 2/3. – P. 354–363. – DOI: [10.1016/j.lrp.2009.07.010](https://doi.org/10.1016/j.lrp.2009.07.010).
6. Digital Business Strategy: Toward a Next Generation of Insights / A. Bharadwaj [et al.] // MIS Quarterly. – 2013. – Vol. 37, no. 2. – P. 471–482. – DOI: [10.25300/MISQ/2013/37:2.3](https://doi.org/10.25300/MISQ/2013/37:2.3).
7. *Eisenmann T., Parker G., Van Alstyne M. W.* Strategies for Two-Sided Markets // Harvard Business Review. – 2006. – Vol. 84, no. 10. – P. 92–101.
8. *Harin A. A.* Digital business transformation and its impact on business sustainability management : Collection of proceedings of the XXIV International Scientific Conference. Moscow, April 03–21, 2023 // Civilization of knowledge: Russian realities. – Rossijskij novy'j universitet, 2023. – P. 932–940. – URL: <https://elibrary.ru/item.asp?id=65244789> (visited on 07/27/2026). – EDN BVNOFJ.
9. *Krakovskaya I. N.* Digital transformation of industrial business models: conceptual approaches and scenarios // π -Economy. – 2025. – Vol. 18, no. 3. – P. 7–28. – DOI: [10.18721/JE.18301](https://doi.org/10.18721/JE.18301).
10. *Lukina O. V., Kurochkina A. A., Nazarov P. V.* Digital transformation of business models to improve the efficiency of the company management process // Scientific notes of the International Banking Institute. – 2020. – 3 (33). – P. 84–98.
11. *Makin A. N., Kislyakov A. N.* Modern methods for assessing the effectiveness of strategic planning for digital transformation and business scaling // Kant. – 2024. – 4 (53). – P. 97–103. – DOI: [10.24923/2222-243X.2024-53.14](https://doi.org/10.24923/2222-243X.2024-53.14).
12. *Medvedeva N. V.* Approaches to assessing the achievement of technological sovereignty // Issues of innovative economics. – 2024. – Vol. 14, no. 1. – P. 91–104. – DOI: [10.18334/vinec.14.1.120653](https://doi.org/10.18334/vinec.14.1.120653).
13. *Nikonov O. K.* Business models of scaling as a development strategy for foreign and Russian companies // Economics: yesterday, today, tomorrow. – 2022. – 12 (4–1). – P. 350–357. – DOI: [10.34670/AR.2022.17.26.044](https://doi.org/10.34670/AR.2022.17.26.044).
14. *Osterwalder A., Pigneur Y.* Business Model Generation: A Handbook for Visionaries, Game Changers, and Challengers. – Hoboken : John Wiley & Sons, 2010. – 288 p.
15. *Poddubnaya M. N., Saharova D. V.* Modern trends in the development of international entrepreneurship // Economics and business: theory and practice. – 2023. – 5–3 (99). – P. 6–11. – DOI: [10.24412/2411-0450-2023-5-3-6-11](https://doi.org/10.24412/2411-0450-2023-5-3-6-11).
16. *Porter M. E.* What Is Strategy? // Harvard Business Review. – 1996. – Vol. 74, no. 6. – P. 61–78.
17. *Ries E.* The Lean Startup: How Today's Entrepreneurs Use Continuous Innovation to Create Radically Successful Businesses. – New York : Crown Business, 2011. – 336 p.
18. *Safin R. I.* Main risks of business scaling: essence and features of minimization // Current scientific research in the modern world. – 2021. – 12–8 (80). – P. 160–162.
19. Selecting the type of business model for implementing the digital transformation strategy of a network enterprise / Y. F. Tel'nov [et al.] // Business informatics. – 2022. – Vol. 16, no. 4. – P. 50–67. – DOI: [10.17323/2587-814X.2022.4.50.67](https://doi.org/10.17323/2587-814X.2022.4.50.67).
20. *Semin D. V., Homenko E. B.* Transformation of the organization's management system in the context of scaling the business model // Bulletin of Udmurt University. Series "Economics and Law". – 2025. – Vol. 35, no. 2. – P. 286–291. – DOI: [10.35634/2412-9593-2025-35-2-286-291](https://doi.org/10.35634/2412-9593-2025-35-2-286-291).
21. *Skorobogatova T. N., Il'yasova M. K.* Basic approaches to forming a business strategy for enterprise development // Scientific notes of the Crimean Engineering and Pedagogical University. – 2021. – 1 (71). – P. 185–189.
22. *Smirnova E. A., Lukashov S. O.* The essence and methods of scaling a business // Chronos. – 2022. – No. 11. – P. 161–162.

-
23. Teece D. J. Business Models, Business Strategy and Innovation // Long Range Planning. – 2010. – Vol. 43, no. 2/3. – P. 172–194. – DOI: [10.1016/j.lrp.2009.07.003](https://doi.org/10.1016/j.lrp.2009.07.003).
 24. Teece D. J., Pisano G., Shuen A. Dynamic Capabilities and Strategic Management // Strategic Management Journal. – 1997. – Vol. 18, no. 7. – P. 509–533. – DOI: [10.1002/\(SICI\)1097-0266\(199708\)18:7<509::AID-SMJ882>3.0.CO;2-Z](https://doi.org/10.1002/(SICI)1097-0266(199708)18:7<509::AID-SMJ882>3.0.CO;2-Z).
 25. Zott C., Amit R., Massa L. The Business Model: Recent Developments and Future Research // Journal of Management. – 2011. – Vol. 37, no. 4. – P. 1019–1042. – DOI: [10.1177/0149206311406265](https://doi.org/10.1177/0149206311406265).

Algorithm for improving the efficiency of managing an organization's operational logistics activities

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Keywords: operational logistics activities, logistics management algorithm, efficiency of logistics processes, logistics diagnostics, logistics costs, key performance indicators, material flow management, digitalization of logistics.

The article examines the theoretical and methodological foundations for improving the efficiency of managing an organization's operational logistics activities. The relationship between the mechanism and the algorithm for managing logistics processes is analyzed, and indicators used to assess costs, operation duration, productivity, reliability, and the quality of logistics services are considered. The need to establish a sequence of actions linking the diagnosis of the current state of logistics processes, the identification of the causes of deviations, the prioritization of reserves, and the selection of management decisions is substantiated. Based on systemic, process-based, and structural-functional approaches, an algorithm consisting of six stages is developed: defining the purpose and scope of the analysis, collecting and verifying source data, diagnosing logistics processes, prioritizing reserves, implementing decisions, and evaluating the achieved effect. A priority index is proposed, which makes it possible to compare problematic processes with regard to the magnitude of deviations, the controllability of their causes, the expected result, and the resource intensity of the proposed measure. An integrated logistics efficiency index and an indicator of the economic effect resulting from the implementation of the selected decisions are developed. It is established that the application of the algorithm makes it possible to substantiate the choice of measures, assign responsibility for their implementation, and ensure a return to previous stages when target management indicators are not achieved. Based on the results of the study, conclusions are drawn regarding the possibility of applying the developed algorithm to the management of procurement, inventories, warehouse operations, transportation, and order fulfillment

References

1. Artificial Intelligence in Logistics Optimization with Sustainable Criteria: A Review / W. Chen [et al.] // Sustainability. – 2024. – Oct. – Vol. 16, no. 21. – P. 9145. – ISSN 2071-1050. – DOI: [10.3390/su16219145](#).
2. CHzhao C., Parfenov A. V. Managing logistics processes in cross-border e-commerce // Bulletin of Astrakhan State Technical University. Series: Economics. – 2024. – No. 3. – P. 78–85. – DOI: [10.24143/2073-5537-2024-3-78-85](#).
3. Digital Economy Indicators: 2025 : statistical collection / V. L. Abashkin [et al.]. – Moscow : NIU VSHE', 2025. – 296 p.
4. Douaoui K., Benmoussa O., Ahlaqqach M. Optimizing Supply Chain Efficiency Using Innovative Goal Programming and Advanced Metaheuristic Techniques // Applied Sciences. – 2024. – Aug. – Vol. 14, no. 16. – P. 7151. – ISSN 2076-3417. – DOI: [10.3390/app14167151](#).
5. Kvyatkovskij D. V. Modern digital technologies in ensuring transparency of supply chain processes // Economics, entrepreneurship and law. – 2024. – Vol. 14, no. 5. – P. 1803–1818. – DOI: [10.18334/epp.14.5.120818](#).
6. Lukashevich A. A. Digital transformation of logistics business processes in the modern oil and gas industry through IT import substitution // Economics, entrepreneurship and law. – 2024. – Vol. 14, no. 3. – P. 757–768. – DOI: [10.18334/epp.14.3.120591](#).
7. Melekhin, V.D. // Economics and management: problems, solutions. – 2023. – Vol. 2, 11(140). – P. 41–47. – DOI: [10.36871/ek.up.p.r.2023.11.02.006](#).
8. Nikiforenko S. V. Management of logistics flows for the delivery of construction materials by rail // Economics, entrepreneurship and law. – 2024. – Vol. 14, no. 11. – P. 6401–6412. – DOI: [10.18334/epp.14.11.122076](#).
9. Parfenov A. V., Nos V. A., CHzhao C. Application of logistics approach and digital technologies in cross-border e-commerce // Economics, entrepreneurship and law. – 2024. – Vol. 14, no. 1. – P. 93–106. – DOI: [10.18334/epp.14.1.120071](#).
10. Podol'skaya T. V., Sotnikov A. G. Introduction of advanced digital technologies in the transport and logistics sector in modern conditions // Issues of innovative economics. – 2024. – Vol. 14, no. 4. – P. 1479–1496. – DOI: [10.18334/vinec.14.4.121649](#).
11. Ragulina Y. V. Innovations in logistics process management // Economic security. – 2025. – Vol. 8, no. 4. – P. 993–1006. – DOI: [10.18334/ecsec.8.4.123203](#).
12. Rosstat. Transport in Russia 2024 : statistical collection. – Moscow : Rosstat, 2024. – 100 p.
13. Stupnikova E. A. Effective management of transport and logistics processes in retail chains // Waste and resources. – 2024. – Vol. 11, no. 4. – DOI: [10.15862/08ECOR424](#).
14. Syuj N. Digital transformation of logistics processes in cross-border supply chains based on the “data pipeline” // Economics, entrepreneurship and law. – 2024. – Vol. 14, no. 11. – P. 6425–6438. – DOI: [10.18334/epp.14.11.122121](#).
15. Yan Y. Logistics organization of cross-border trade business processes using international transport corridors // Economics, entrepreneurship and law. – 2024. – Vol. 14, no. 10. – P. 5811–5822. – DOI: [10.18334/epp.14.10.121918](#).

Export Positioning of Russian Soft Drink Producers: Dynamics, Product Structure and Destination Geography

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Keywords: soft drinks, Russian exports, HS 2202, product structure, destination geography, country structure, export potential.

The relevance of the study is determined by the need to diagnose export positions of Russian soft drink producers amid changing foreign trade links, non-resource exports and global consumption shifts. The article aims to assess export dynamics, product structure, geography and dependence on key foreign markets. Based on UN Comtrade, OEC, Agroexport and industry sources, it applies structural analysis, share calculations, comparison of value and volume indicators, and assessment of shipment concentration. The findings show that the export base is mainly formed by HS 2202 products, while sweet carbonated drinks are oriented toward EAEU, CIS and neighboring Asian markets. Production growth does not automatically strengthen exports: distribution, logistics, certification, product adaptation and stable country channels remain decisive. Scientific novelty lies in a three-level diagnostic framework combining product, country and corporate analysis. The article concludes that producers have a stable regional base, limited presence in distant markets and diverse export models

References

1. "Gardens of the Don region". About the company. – URL: <https://pridonie.ru> (visited on 05/10/2026).
2. Agroexport: export of sweet soda from Russia in 2025 grew by 4% / Prime. – URL: <https://1prime.ru/20260319/agroeksport-868445345.html> (visited on 05/10/2026).
3. Anderson J. E., van Wincoop E. Trade Costs // Journal of Economic Literature. – 2004. – Vol. 42, no. 3. – P. 691–751. – DOI: [10.1257/0022051042177649](https://doi.org/10.1257/0022051042177649).
4. Cavusgil S. T., Zou S. Marketing Strategy–Performance Relationship: An Investigation of the Empirical Link in Export Market Ventures // Journal of Marketing. – 1994. – Vol. 58, no. 1. – P. 1–21.

5. Eurasian economic commission. Explanations to group 22 of the EAEU HS. – URL: https://eec.eaeunion.org/upload/files/catr/ett/ru.22_2022_25.04.2022.pdf (visited on 05/10/2026).
6. Euromonitor International. Innovation and functionality drive global soft drinks market to USD 1.1 trillion. – URL: <https://www.euromonitor.com/newsroom/press-releases/june-2025/innovation-and-functionality-drive-global-soft-drinks-market-to-usd1.1-trillion> (visited on 05/10/2026).
7. GC "Chernogolovka" About the company. – URL: <https://chernogolovka.com/company> (visited on 05/10/2026).
8. *Gnidchenko A. A.* Decomposition of export growth into extensive and intensive components, taking into account comparative advantages // Journal of the New Economic Association. – 2014. – 4 (24). – P. 38–64.
9. JSC MPBK "Ochakovo". About the company. – URL: <https://ochakovo.ru/kompaniya> (visited on 05/10/2026).
10. JSC MPBK "Ochakovo". Cool Cola, Fancy, Street. – URL: <https://ochakovo.ru/coolcola-fancy-street> (visited on 05/10/2026).
11. *Lado N., Martínez-Ros E., Valenzuela A.* Identifying successful marketing strategies by export regional destination // International Marketing Review. – 2004. – Vol. 21, no. 6. – P. 573–597. – DOI: [10.1108/02651330410568024](https://doi.org/10.1108/02651330410568024).
12. Legend of Baikal. About the company. – URL: <https://legendbaikal.ru/about-company/o-kompanii> (visited on 05/10/2026).
13. Legend of Baikal. About water. – URL: <https://legendbaikal.ru/about-company/o-vode> (visited on 05/10/2026).
14. *Leonidou L. C., Katsikeas C. S., Samiee S.* Marketing Strategy Determinants of Export Performance: A Meta-Analysis // Journal of Business Research. – 2002. – Vol. 55, no. 1. – P. 51–67.
15. *Mota J., Moreira A., Alves A.* Impact of Export Promotion Programs on Export Performance // Economies. – 2021. – Sept. – Vol. 9, no. 3. – P. 127. – ISSN 2227-7099. – DOI: [10.3390/economies9030127](https://doi.org/10.3390/economies9030127).
16. *Pomeranz J. L., Munsell C. R., Harris J. L.* Energy drinks: An emerging public health hazard for youth // Journal of Public Health Policy. – 2013. – Vol. 34, no. 2. – P. 254–271. – DOI: [10.1057/jphp.2013.6](https://doi.org/10.1057/jphp.2013.6).
17. *Rumyantseva Y. V., Mitrofanova O. N.* Transformation of the structure of the Russian soft drink market in the context of import substitution // Bulletin of Chelyabinsk State University. – 2022. – 12 (470). – P. 185–198. – DOI: [10.47475/1994-2796-2022-11220](https://doi.org/10.47475/1994-2796-2022-11220).
18. Russia for seven months increased exports of soft drinks by 16% / TASS. – 2025. – URL: <https://tass.ru/ekonomika/24891493> (visited on 05/10/2026).
19. Russia increased exports in 2025 soft drinks and juices by 1.7%, up to \$431 million Interfax. – 2026. – URL: <https://www.interfax.ru/business/1083865> (visited on 05/10/2026).
20. Soft drinks market: state and development prospects / Y. N. Kleshhevskij [et al.] // Bulletin of Kemerovo State University. Series: Political, sociological and economic sciences. – 2018. – No. 4. – P. 86–94. – URL: <https://cyberleninka.ru/article/n/rynok-bezalkogolnyh-napitkov-sostoyanie-i-perspektivy-razvitiya> (visited on 05/10/2026).
21. *Suhij D. G., Kacz V. M.* Methods for assessing the export potential of an enterprise. Russian experience // Bulletin of Science of Siberia. – 2015. – 2 (17). – P. 62–75.
22. Sukhorukova E. Former CEO of the manufacturer "FrutoNani" will head "Chernogolovka" / RBC. – 2025. – URL: <https://www.rbc.ru/business/13/05/2025/682311b89a7947a6ebe4cccf> (visited on 05/10/2026).
23. The Observatory of Economic Complexity. Flavored Water. – URL: <https://oec.world/en/profile/hs/flavored-water> (visited on 05/10/2026).
24. The Observatory of Economic Complexity. Flavored Water in Russia Trade. – URL: <https://oec.world/en/profile/bilateral-product/flavored-water/reporter/rus> (visited on 05/10/2026).
25. The Observatory of Economic Complexity. Non-Alcoholic Beverages (Excl. Fruit and Vegetable Juices) in Russia Trade. – URL: <https://oec.world/en/profile/bilateral-product/non-alcoholic-beverages-excl-fruit-and-vegetable-juices/reporter/rus> (visited on 05/10/2026).
26. The Russian Federation increased the export of soft drinks in 2025 and juices by 1.7%, up to \$431 million / Interfax. – 2026. – URL: <https://www.interfax.ru/business/1083865> (visited on 05/10/2026).
27. UN Comtrade Database. – URL: <https://comtradeplus.un.org> (visited on 05/10/2026).

Digital transformation of corporate governance: factors, trends, risks

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Keywords: corporate governance, digital transformation, automation, tools, processes, factors, risks.

This article examines the digital transformation of corporate governance at the microeconomic level. In the context of the fourth industrial revolution and the active implementation of self-learning neural networks, artificial intelligence, and blockchain, the traditional format of interaction between management and owners is being supplemented by a new element – management process automation tools. The authors conducted a comparative analysis of the main corporate governance models in the context of digital transformation, identifying three digital corporate governance models (hierarchical, network cooperation, and hybrid), and determining their advantages and disadvantages. It was established that the choice of a specific model depends on the industry specifics, corporate culture, level of digital maturity, and strategic development goals. Recommendations for improving organizational management are formulated, including legal protection of digital assets, codification of responsibilities for ensuring the safety and reliability of data, and the development of internal standards for the use of artificial intelligence. The practical significance of this work lies in the potential application of the proposed recommendations to improve the effectiveness of automation tools in corporate governance

References

1. *Alzeghoul A., Alsharari N. M.* Impact of AI Disclosure on the Financial Reporting and Performance as Evidence from US Banks // *Journal of Risk and Financial Management*. – 2024. – Dec. – Vol. 18, no. 1. – P. 4. – ISSN 1911-8074. – DOI: [10.3390/jrfm18010004](https://doi.org/10.3390/jrfm18010004). – URL: <http://dx.doi.org/10.3390/jrfm18010004>.
2. *Anopchenko T. Y., Revunov R. V., Revunov S. V.* A factor in enhancing the competitiveness of the regional economy // *Science and Innovation*. – 2025. – Vol. 4, S1-1. – P. 88-107. – DOI: [10.5281/zenodo.15421305](https://doi.org/10.5281/zenodo.15421305).
3. *Banduryan A. S., Nazarenko A. V.* Managing the digital transformation of an IT company // *News of the Kabardino-Balkarian Scientific Center of the Russian Academy of Sciences*. – 2025. – Vol. 27, no. 6. – P. 358-368. – DOI: [10.35330/1991-6639-2025-27-6-358-368](https://doi.org/10.35330/1991-6639-2025-27-6-358-368).
4. *Baryshnikov V. S.* Features of strategic planning in the context of digital business transformation // *Journal of Monetary Economics and Management*. – 2024. – No. 12. – P. 228-233. – DOI: [10.26118/2782-4586.2024.57.78.005](https://doi.org/10.26118/2782-4586.2024.57.78.005).

5. *Bonelli M. I.* When AI Disclosure Intensifies: Nonlinear Effects on Governance-Risk Disclosures in Selected U.S. Public Firms // *Journal of Risk and Financial Management*. – 2026. – Apr. – Vol. 19, no. 4. – P. 271. – ISSN 1911-8074. – DOI: [10.3390/jrfm19040271](https://doi.org/10.3390/jrfm19040271). – URL: <http://dx.doi.org/10.3390/jrfm19040271>.
6. Buurtzorg. – URL: <https://www.buurtzorg.com> (visited on 06/12/2026).
7. *Gorbunczov M. V.* Organizational and legal models of corporate governance in the context of digital transformation: analysis of Russian legislation and corporate practice // *Praxeology*. – 2025. – No. 2. – P. 85–89.
8. *Gulati P., Marchetti A., Puranam P.* Collaborative Work Management Technologies and Managerial Intensity in U.S. Corporations: An Examination // *Management Science*. – 2026. – Mar. – ISSN 1526-5501. – DOI: [10.1287/mnsc.2023.04127](https://doi.org/10.1287/mnsc.2023.04127). – URL: <http://dx.doi.org/10.1287/mnsc.2023.04127>.
9. *Niyazova Y. M., Garin A. V., Zly'dnev M. I.* Digital platform as an information and economic structure // *Competence*. – 2021. – No. 1. – P. 31–36. – DOI: [10.24411/1993-8780-2021-10105](https://doi.org/10.24411/1993-8780-2021-10105).
10. *SHishkova G. A., Troiczskaya N. N.* Managing corporate training in the context of digital transformation // *Russian Journal of Management*. – 2025. – Vol. 13, no. 12. – P. 360–370. – DOI: [10.29039/2409-6024-2025-13-12-360-370](https://doi.org/10.29039/2409-6024-2025-13-12-360-370).
11. Tesla. – URL: <https://www.tesla.com> (visited on 06/11/2026).
12. *Trejman M. G.* Digital transformation of corporate governance in organizations // *Economics of construction*. – 2026. – No. 2. – P. 192–193.
13. Valve. – URL: <https://www.valvesoftware.com> (visited on 06/12/2026).
14. *Wang C., Xu K.* Toward Digital Corporate Law: Revisiting Corporate Law's Responses to Technology // *William & Mary Business Law Review*. – 2025. – Vol. 17, issue 1. – URL: <https://scholarship.law.wm.edu/wmblr/vol17/iss1/4>.

Institutional Factors in the Formation of Multicareer Strategies for Student Youth in Modern Conditions

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Keywords: multicareer, student youth, career strategies, institutional factors, career competence, career guidance, career center, project activities.

Relevance. The article analyzes the factors that shape the multicarrier strategies of student youth in today's environment. The transformation of the labor market, driven by technological advancements, automation, and the proliferation of artificial intelligence, as well as demographic changes, the expansion of flexible employment options, economic instability, and shifts in the demand for professions, has led to an increased demand for multicarrier strategies among student youth. Today, students are increasingly viewing their careers not as linear progress within a single profession, but as a combination of multiple professional paths, employment types, and self-fulfillment trajectories. Based on the research results, the thesis is substantiated that institutional factors play a significant role in setting the framework and resources for career choice and development: university infrastructure, career guidance methods, project activities, and interactions with employers.

The purpose of the study is to analyze the institutional factors influencing the formation of multi-career strategies among students and to determine the role of the university as a space for career orientation and professional self-determination.

The objectives of the study are to identify the key institutional mechanisms supporting students' choices, analyze the results of a pilot survey of students, and determine the significant factors influencing the formation of multi-career attitudes.

Research results. The study found that students' multi-career strategies are influenced by a complex of institutional conditions, among which internships, career center activities, career guidance events, interaction with employers, and project activities are the most significant. The analysis showed that students positively evaluate the possibility of combining several professional trajectories, but at the same time, they point out the main barriers: lack of time, lack of information, and the risk of overload. The results obtained indicate that the university acts not only as an educational institution, but also as a career and organizational institution that forms the readiness of young people for a diversified professional trajectory

References

1. Akkermans J., Richardson J., Kraimer M. L. The boundaryless career in the 21st century: A review and research agenda // *Journal of Vocational Behavior*. – 2024. – Vol. 138. – P. 104–125. – DOI: [10.1016/j.jvb.2023.104125](https://doi.org/10.1016/j.jvb.2023.104125).
2. Andreev I. L. The role of project activities in the formation of students' career subjectivity // *Education and science*. – 2022. – Vol. 24, no. 3. – P. 67–84.
3. Baeva O. N., Kazarina L. A. Discipline "Career Management" in Master's programs: why and what to teach (on the issue of developing universal competencies) // *Labor Economics*. – 2022. – No. 5.
4. Best Company Award 2025: Study of career preferences of students from leading universities in Russia / Changellenge. – 2025. – URL: <https://changellenge.com/tpage/bca-2025-results/> (visited on 06/07/2026).
5. Borisova A. A., Rostovtzev K. V. Reproduction of labor resources: the role of the employment and career center in ensuring specialized employment of university graduates // *Labor Economics*. – 2023. – No. 6.
6. Career Adaptability as a Developmental Resource for Sustainable Careers: A Latent Profile Analysis in Emerging Adults / A. Parola [et al.] // *Journal of Community & Applied Social Psychology*. – 2026. – Apr. – Vol. 36, no. 3. – ISSN 1099-1298. – DOI: [10.1002/casp.70263](https://doi.org/10.1002/casp.70263).
7. De Vos A., Van der Heijden B. I. J. M., Akkermans J. Sustainable careers: Towards a conceptual framework and empirical validation // *Journal of Vocational Behavior*. – 2024. – Vol. 142. – P. 103–119. – DOI: [10.1016/j.jvb.2024.103890](https://doi.org/10.1016/j.jvb.2024.103890).
8. Golikova assessed the unemployment rate among young people aged 15–24 years / RIA Novosti. – URL: <https://ria.ru/20260216/golikova-2074701160.html> (visited on 06/07/2026).
9. Kozlova A. S., Morozov P. V. Career competence and employability of students: an empirical study // *Education issues*. – 2023. – No. 2. – P. 88–104.
10. Labor and employment in Russia 2025 : statistical collection. – Moscow : Rosstat, 2025. – 172 p.
11. Litvin A. V., SHarov S. V. Active form of career building: stages, tools and life cycle of a young specialist's career // *Bulletin of Kaluga University. Series 1. Psychological Sciences. Pedagogical Sciences*. – 2025. – 1(26). – P. 40–45.
12. Nikulina Y. N. Career development of youth in the ecosystem of university personnel partnerships // *Leadership and Management*. – 2023. – No. 2.
13. Nikulina Y. N. Project activity as a tool for professional and career development of graduates // *Labor Economics*. – 2022. – No. 7.
14. Petrova E. V. Multicareer strategies of student youth: theoretical and empirical analysis // *Labor Economics*. – 2024. – Vol. 11, no. 5. – P. 45–58.
15. Serbina N. V. The problem of employing university graduates: career competence as a condition for their adaptation to the labor market // *Labor Economics*. – 2021. – No. 12.
16. SHpengler A. V., Sozinova A. A. and etc. Regional career guidance and career portals as a tool for effective personnel policy in the region // *Economics, entrepreneurship and law*. – 2024. – No. 4.
17. SHutkin A. S., CHEkanov P. E. and etc. Readiness and adaptation to professional activity as factors of youth competitiveness in the labor market // *Leadership and Management*. – 2025. – No. 12.
18. Smirnov D. K. University digital career services and their impact on student self-determination // *Higher education today*. – 2023. – No. 7. – P. 32–41.
19. Study of career expectations of young professionals and their compliance with the realities of the labor market / S. O. Musienko [et al.] // *Labor Economics*. – 2025. – Vol. 12, no. 7.
20. Tatyana Golikova held a meeting of the project committee on the national project "Personnel" / Russian government. – URL: <http://government.ru/news/56687> (visited on 06/07/2026).
21. Vashalomidze E. V., Ry'zhov D. A., Solov'eva E. V. A systematic approach to routing and career guidance of youth in the labor market // *Economics, entrepreneurship and law*. – 2024. – No. 12.
22. Vinokurova N. A., Gudovich I. S. Views of humanities students on their future careers, their priorities and motivation // *Labor Economics*. – 2023. – No. 9.