

Economic security study of the Central Federal District of the Russian Federation: dynamic analysis and modeling

Yulia M. Sokolinskaya, Cand. of Sci. (Econ.), Associate Professor
<https://orcid.org/0000-0002-1020-8185>; SPIN-code (RSCI): 6234-2122
Scopus author ID: 57200073974
e-mail: misterias@mail.ru

For citation

Sokolinskaya Yu.M. Economic security study of the Central Federal District of the Russian Federation: dynamic analysis and modeling // Market economy problems. – 2023. – No. 1. – Pp. 102-117 (In Russian).

DOI: <https://doi.org/10.33051/2500-2325-2023-1-102-117>

Abstract

Subject/topic. The article is devoted to the study of economic security indicators of the Central Federal District (CFD) of Russia. **The object** of this study is the Central Federal District of the Russian Federation. **The subject** of the study is the indicators of economic security of the region. **Goals/tasks.** Based on the list of indicators formed in accordance with the «Strategy of Economic Security of the Russian Federation until 2030» to determine the composition of the economic security of the regions of Russia, to classify them, to analyze the dynamics, on the basis of which to build economic and mathematical models of changes in the main parameters of economic security of the Central Federal District. **Methodology.** In the course of the study, modern methods of scientific and statistical group and mathematical modeling were used: indicative and basic array, scientific generalizations, grouping, dynamic series, correlation and regression analysis. **Results.** The article systematizes and studies the economic security of the Central Federal District of the Russian Federation, which made it possible to determine the problems of economic security of this territory, the prevailing trends and causes of negative dynamics of indicators, as well as to identify the most significant factors determining the change in the effective parameters of economic security using the constructed multifactor model. **Conclusions/significance.** The novelty consists in the theoretical justification of the economic security of the region, taking into account the systematization and grouping of economic security indicators at the regional level in accordance with the industrial and commercial, innovative and technical, and socio-personnel spheres of life. **Application.** The results of the study can be applied in practice in the formation or adjustment of the medium-term economic policy of the regions of the Russian Federation, as well as in general to monitor the dynamics of economic security at the regional level in the implementation of the goals and objectives of the current economic policy of the state.

Keywords: *economic security, regional economy, Central Federal District of the Russian Federation, analysis and modeling.*

References

1. Federal Law «On Industrial Policy in the Russian Federation» 31.12.2014 No. 488- FZ, *Legal Reference System «KonsultantPlus»*, available at: https://www.consultant.ru / document/cons_doc_LAW_173119/.
2. Decree of the President of the Russian Federation dated May 13 2017 No. 208 «On the Strategy of Economic Security of the Russian Federation for the period up to 2030», available at: <http://www.garant.ru/hotlaw/ federal/1110794/>.

3. Aliyeva, M.Z. (2020), "Economic security of the region: Approaches to definition", *Bulletin of the Altai Academy of Economics and Law*, no. 3 (1), pp. 11-18, available at: <https://vaael.ru/ru/article/view?id=1009>.
4. Bersenev, V.L. (2019), "Leading centers for the study of economic security problems in Russia", *Economics of the Region*, vol. 15, issue 1, pp. 29-42.
5. "State Debt of the subjects of the Russian Federation and municipalities" (2023), *Ministry of Finance of Russia*, available at: https://minfin.gov.ru/ru/statistics/subbud/sub_debt/.
6. Grebenkina, S.A. (2015), "Problems of economic security of the region", *Economics and Management: Problems, solutions*, vol. 1, no. 12, pp. 70-74.
7. Dmitrieva, A.D. (2020), "Economic consequences of the COVID-19 epidemic", *Young Scientist*, no. 24 (314), pp. 174-177, available at: <https://moluch.ru/archive/314/71594/>.
8. Zolaev, E.A. (2022), "Economic security of the state: the concept and threats of digitalization", *Economic Security*, vol. 5, no. 2, pp. 571-582, DOI: 10.18334/ecsec.5.2.114826.
9. Kopylova, N.A. and Kabanin, G.V. (2014), "Economic security of the region as an element of ensuring state security", *In the collection: Scientific works of teachers of the MAEP*, Moscow Academy of Economics and Law, Moscow, pp. 26-32.
10. Makhanko, G.V. (2015), "Economic security and competitiveness of the region as the most important component of Russia's economic security", *KubGAU Scientific Journal*, no. 105, pp. 236-251.
11. Oveshnikova, L.V. and Sokolinskaya, Yu.M. (2019), "Determinants of spatio-temporal research of economic security of the region", *Region: systems, economics, Management*, no. 3 (46), pp. 54-62.
12. "Rating of Russian regions on the dynamics of industrial production" (2020), *RIA News*, available at: <https://ria.ru/20200713/1574133115.html>.
13. Rudenko, M.N. (2022), "Regional differences as a threat to the economic security of the Russian Federation", *Economic Security*, vol. 5, no. 2, pp. 491-510, DOI: 10.18334/ecsec.5.2.114555.
14. Senchagov, V.K. (2002), *Economic security: geopolitics, globalization, self-preservation and development*, Finstatinform, Moscow, pp. 128.
15. Sibirskaya, E.V. and Oveshnikova, L.V. (2021), "Results of a sample survey of the parameters of economic security of the subjects of the Russian Federation", *Certificate of registration of the database 2021620823, 22.04.2021, Application No. 2021620671 dated 15.04.2021*.
16. Silvestrov, S.N. et al. (2017), "An approach to identifying threats and assessing the state of economic security", *Economic Sciences*, no. 11 (156), pp. 7-10, available at: https://elibrary.ru/download/elibrary_32337775_59380471.pdf.
17. Tatarin, A.I., Romanova, O.A., Kuklin, A.A. and Yakovlev, V.I. (1996), "Economic security as an object of regional research", *Economic Issues*, no. 6., pp. 78-89.
18. "Territorial body of the Federal State Statistics Service for the Central Federal District" (2023), available at: <https://rosstat.gov.ru/folder/505>.
19. "Federal State Statistics Service" (2023), available at: https://rosstat.gov.ru/enterprise_industrial.
20. Feofilova, T.Yu. (2014), "The model of managing the economic security of the region", *Science Studies: Online Journal*, no. 6 (25), available at: <http://naukovedenie.ru/PDF/126EVN614.pdf>.
21. "The expert assessed the spread of COVID-19 in the regions of Russia" (2020), *RBC*, available at: <https://www.rbc.ru/rbcfreenews/5fd6db769a79477e495b2a9d>.
22. Baldwin, D. (1997), "The concept of security", *Review of International Studies*, no. 23, pp. 5-26, доступно по адресу: [http://www.princeton.edu/~dbaldwin/selected %20articles/Baldwin%20](http://www.princeton.edu/~dbaldwin/selected%20articles/Baldwin%20).
23. Murdoch, C. (1977), "Economics issues and national security", *Lawrence*, pp. 218.

About author

Yuliya M. Sokolinskaya, Candidate of Sci. (Econ.), Associate Professor, Associate Professor of the Department of Economic Security and Financial Monitoring, Voronezh State University of Engineering Technologies, Voronezh.