

On Evaluating Russian Technology Platforms Activities in the Industrial Modernization Context

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key words

technology platform, principal component method, modernization, industry

Because of the principal component method application, the coefficient method (basic) and the comparison method based on the classification of performance indicators of Russian technology platforms; in the given article, I have proposed an improved methodology for evaluating activities, taking into account three significant factors. That are the cooperation of participants, the structural component and the component reflecting the openness of the strategic goals and objectives of the platforms. The improved methodology for evaluating the activities of Russian technology platforms differs from the currently used methodology by taking into account the weighting factors of the most significant factors of activity, and, above all, cooperation. The research was carried out within the framework of the grant of the President of the Russian Federation for state support of leading scientific schools of the Russian Federation, project number NSH-2600.2020.6.

References

1. Gribanov Yu.I. Tsifrovaya transformatsiya sotsial'no-ekonomicheskikh sistem na osnove razvitiya instituta servisnoy integratsii [Digital transformation of socio-economic systems based on the development of the Institute of Service Integration], SPb, 2019, 355 P.
2. Dezhina I.G. Tekhnologicheskie platformy i innovatsionnye klasteri v Rossii — vmeste ili porozn'? [Technology platforms and innovation clusters in Russia: together or separately?], *Innovatsii*, 2013, no. 2(172), pp. 35–43.
3. Zinurova R.I., Misbakhova Ch.A., Starodubova A.A. Otsenka rezul'tatov i effektivnosti protsessov uchastiya inzhiniringovykh kompaniy v rabote tekhnologicheskikh platform v Rossiyskoy Federatsii [Assessment of the results and effectiveness of engineering companies' participation in the work of technology platforms in the Russian Federation], *Vestnik Nizhegorodskogo universiteta im. N.I. Lobachevskogo. Seriya: Sotsial'nye nauki*, 2017, no. 3(47), pp. 29–35.
4. Misbakhova Ch.A. Razvitie sfery khimicheskoy makrotekhnologii s ispol'zovaniem mekhanizma tekhnologicheskikh platform [Chemical macro technologies capacity building using the technology platform mechanism], *Ekonomicheskii analiz: teoriya i praktika*, 2017, vol. 16, no. 3(462), pp. 502–511.
5. Predvaritel'nye rezul'taty monitoringa deyatel'nosti tekhnologicheskikh platform za period 2015–2019 gody [Preliminary results of monitoring the activity of technological platforms for the period 2015–2019]; <https://www.kstu.ru/servlet/contentblob?id=356302> (acc.: 27.05.2021).
6. Filin S.A. Strategicheskie tekhnologicheskie platformy kak osnova tekhnologicheskoy bezopasnosti Rossii v budushchem [Strategic technological platforms as the basis for technological security of Russia in the future], *Natsional'nye interesy: priority i bezopasnost'*, 2019, vol. 15, no. 1(370), pp. 18–34.
7. Choi T.-M. Blockchain-technology-supported platforms for diamond authentication and certification in luxury supply chains, *Transportation Research. Part E: Logistics and Transportation Review*, 2019, vol. 128, pp. 17–29.
8. Chursin A.A., Dubina I.N., Carayannis E.G., Tyulin A.E., Yudin A.V. Technological platforms as a tool for creating radical innovations, *Journal of the Knowledge Economy*, 2021. DOI: 10.1007/s13132-020-00715-4.
9. Haidegger G. Vision 2030 on Manufacturing by the HLG of the European ManuFuture Technology Platform, *IOP Conference Series: Materials Science and Engineering*, 2018, no. 448(1), pp.12–62. DOI: 10.1088/1757-899X/448/1/012062.
10. Ricard L. M. Aligning innovation with grand societal challenges: Inside the European Technology Platforms in wind, and carbon capture and storage, *Science and Public Policy*, 2016, vol. 43(2), pp. 169–183.
11. Wagner N., Strulak-Wójcikiewicz R. Concerns about the technology used by collaborative platforms — a challenge for managers, *Procedia Computer Science*, 2020, no. 176, pp. 2536–2545.