DIGITALIZATION AND MANAGEMENT · ЦИФРОВИЗАЦИЯ И УПРАВЛЕНИЕ

Vestnik MIRBIS. 2022; 1(29): 40-46.

Вестник МИРБИС. 2022. № 1 (29)!. С. 40-46.

Original article

DOI: 10.25634/MIRBIS.2022.1.4

Basis for managing the development of the innovative environment of an industrial organization during its digital transformation

Sossa Florentin Gounongbe^{1,2}, Polina Yu. Grosheva^{1,3}

- 1 Peoples' Friendship University of Russia (RUDN University), Moscow, Russia.
- 2 <u>florentingounongbe@gmail.com</u>
- 3 p.grosheva@yandex.ru, https://orcid.org/0000-0001-7546-6903

Abstract. The article is devoted to the analysis and making proposals for managing the development of the innovative environment of an industrial organization during its digital transformation. The relevance of the research is associated with the acceleration of the pace of innovation development, the formation of new business models, the creation of new principles of managing companies of in various industries, as well as business processes. This necessitates the search for new ways to create economic methods for the development of the innovative environment of an industrial organization during its digital transformation. The author analyzes the theoretical basis of innovative environment of an industry organization, describes the influence of digital transformation on transformation of the innovative environment of an organization and as a result makes proposals concerning development of methodological basis for managing the development of the innovative environment of an industrial organization during its digital transformation.

Key words: mechanism, innovative environment, industrial organization, digital transformation, economic tools, methodological basis, internal environment, external environment.

Acknowledgements. The reported study was funded by RFBR, project number 19-010-00781.

For citation: Gounongbe S. F. Basis for managing the development of the innovative environment of an industrial organization during its digital transformation. By S. F. Gounongbe, P. Yu. Grosheva. DOI: 10.25634/MIRBIS.2022.1.4. *Vestnik MIRBIS*. 2022; 1: 40–46. *JEL: O32*

Научная статья УДК 65.01

> Основы управления формированием инновационной среды промышленной организации в процессе ее цифровой трансформации

Сосса Флорентин Гунонгбе^{4,5}, Полина Юрьевна Грошева^{6,7}

- 4 Российский университет дружбы народов (РУДН), Москва, Россия.
- 5 florentingounongbe@gmail.com
- 6 p.grosheva@yandex.ru, https://orcid.org/0000-0001-7546-6903

Аннотация. Статья посвящена анализу и выработке предложений по управлению развитием инновационной среды промышленной организации в условиях цифровой трансформации. Актуальность исследования связана с ускорением темпов развития инноваций, формированием новых бизнесмоделей, созданием новых принципов управления организациями различных отраслей, а также бизнес-процессами. Это обуславливает необходимость поиска новых путей развития инновационной среды промышленной организации в процессе ее цифровой трансформации. Авторы анализируют теоретические основы формирования инновационной среды промышленной организации, описывают влияние цифровой трансформации на изменения инновационной среды организации и в результате вносят предложения по развитию методической основы управления формированием инновационной среды промышленной организации в ходе ее цифровой трансформации.

Ключевые слова: инновационная среда, промышленная организация, цифровая трансформация, экономические инструменты, методическая основа, внутренняя среда, внешняя среда.

Благодарности. Исследование выполнено при финансовой поддержке РФФИ, номер проекта 19-010-00781. **Для цитирования:** Gounongbe S. F. Basis for managing the development of the innovative environment of

Vestnik MIRBIS no. 1 (29)' 2022



an industrial organization during its digital transformation / S. F. Gounongbe, P. Yu. Grosheva. DOI: 10.25634/ MIRBIS.2022.1.4 // Vestnik MIRBIS. 2022; 1: 40-46. JEL: 032

Introduction

changing all spheres of life of society, business transformation. and government. In terms of significant economic transformations new business models are formed, than two decades, a majority of companies have new principles of managing organizations of various embarked on their digital transformation, driven in industries are created, as well as some business particular by the increase in internet penetration processes are changed. There are changes in the rates in the world, new technologies, innovations innovation infrastructure, existing management in particular ICTs, connected objects, but also models and government regulation. All of these encouraged by the demand of good consumers, all affect the innovative environment of an industrial of these reasons which have disrupted the market. organization, which is being transformed under the influence of internal and external factors of digital and permanent strategy to be developed over transformation.

methods for the development of the innovative customer experience to build customer loyalty. environment of an industrial organization during its digital transformation.

of health crisis.

strategies already implemented in companies. employees teleworking. Those who have been able to master the digitization of productive and organizational processes, who Dares in December 2020, after reconfiguration, have been able to adapt their operations quickly teleworking remains important in these same sectors and strategically, while putting human capital first, of activity 55% and 66% of employees respectively will be those who will be more competitive in a for financial and insurance activities and information vulnerable, changing and uncertain market.

of demand and supply unprecedented in history. (31%) other service activities (25%), capital goods Business production, investments, trade, household (28%) and business services (34%). It is notably more consumption, institutions... everything has been important compared to the first containment in the affected by the sudden end to economic activity. manufacture of transport equipment (31% at the However, despite the unprecedented situation, a end of November against 23% at the end of April)

most of the activities of certain sectors of activity, Digital transformation is one of the main trends in particular the tertiary sector: this is the digital

A recurring subject in business strategies for more

Digital transformation has become an essential the long term in companies to ensure proper In this regard, the main hypothesis of this study productive and organizational functioning, to meet is the assumption of the need to create economic new consumer demands but also to offer the best

Overnight with the implementation containment, millions of people were forced Today, three years after the Covid-19 pandemic, to work remotely. The first observation was the still ongoing, it is important to note that not only decentralization of work. Teleworking has been a was digital transformation essential before this boon for the companies which have developed it, pandemic to meet new demand by adapting and allowing the continuity of a large part of the activity creating the offer, but it has also become an essential remotely. According to the Acemo survey carried key to the survival of companies, especially in times out by Dares, employees working from home in April 2020 represented around a quarter of employees To date, the digital transformation of companies during the first confinement. Teleworking was more has been quite different depending on the profile frequent in sectors where its development was of the company, its size, its sector of activity. Then widespread before the crisis such as information and the health crisis came, accentuating the importance communication activities with 63% of employees, of this digital transformation, and boosted the financial and insurance activities with 55% of

According to the Acemo survey carried out by communication It is also remarkable in real estate The Covid-19 crisis has caused an economic shock activities (37%), manufacture of transport equipment strategic element has made it possible to continue and in transport and storage (16% against 14% at the end of April), and also less important in the private education and private health (9% against Gounongbe S. F., Grosheva P. Yu. Basis for managing the development of the innovative environment of an industrial organization during its digital transformation, p. 40–46

are teleworking¹.

affects the principles of organizing innovation then is how to coherent these two dimensions. activities and building a company innovation system. Below we will present an overview of the this problem. The primary is the best known, it is theory of the issue for the deeper understanding of based on the notion of representative firm, but the theoretical aspects of developing the innovative also on the use of the distinction between internal environment of an organization and the factors that economies and external economies. This attempt, influence on it.

Literature review

in economic analysis as the fundamental character development. The next solution, although more in the innovation process that characterizes modern unclear, can nonetheless be found in the way in economies. Most often breaking with standard which Marshall studies the role of the "manufacturer" economic theory, this perspective has been mainly or "the entrepreneur" [Barreiro & Ravix 2008]. developed by the evolutionary tradition to explain, through the role of knowledge, the link between in economics stems from two phenomena: on the innovation and economic development. However, one hand, productive decisions must be estimated this approach to the function of the entrepreneur, before they are made and the results cannot be which is directly inspired by the analyzes of predicted with certainty; On the other hand, the Schumpeter [Schumpeter 2004], more often than needs to be satisfied are future needs and their not masks another, that of Marshall, who, by basing prediction is also uncertain. It follows therefore that himself on a different conception of knowledge, on "the producer must estimate (1) the future demand the contrary, makes it possible to establish that the which he is trying to satisfy and (2) the future principle of connection between innovation and results of his operations in order to try to satisfy that economic development involves the role of the demand" [Knight 2005]. entrepreneur in the organization of industry.

or damagingly impact the change of innovations. Conventionally, the exterior environmental factors showed as training the innovation environment are: the structure of the market, the extent of the corporation, the degree of absorption of the manufacturing, the fences to access and exit, According to Marshall [Marshall 1996], stimulate or hinder innovation".

production has two dimensions: one relating to the entities during the creation of innovation.

20% at the end of April). In total, 22% of employees firm, which he qualifies as an "internal" organization, the other relating to inter-company relations Such changes in the organization of labor or to industry, which he defines as an "internal" significantly affect the economy of companies by organization, qualifies as an "external" organization. reducing various costs. Companies increasingly If the first dimension explains the birth of increasing introduce information technologies into production returns, the second allows it to study of the potential and management processes, and this undoubtedly for increasing returns to come. The entire problematic

Marshall is considering two solutions to solve however, consist to an impasse because Marshall does not accomplish to "resolve" his static approach The Industrialist has conventionally been viewed to value and his dynamic conception of industrial

According to Knight, the problem of uncertainty

All of these forms the innovative environment of Some interior and exterior effects can absolutely an industrial organization. So we define what it is.

Theoretical points about the term "Innovative environment" of an industrial organization and methodological basis

According to M. Castells' research, "innovation environment" is "a set of relations between production and management, based on and the macroeconomic issues, between others. a social organization that is generally aimed at "the generating new knowledge, new processes or new innovation environment thus denotes to all the products" [Castells 2010]. At the same time, the political, economic, social and cultural factors which author understands the innovation environment not as an exclusively external environment of the According to Marshall, the organization of organization, but as the interaction of economic

> According to the dictionary [Innovacionnaya e'konomika 2012], the innovation environment is a combination of the internal and external environment of the participants in the innovation

¹ Transformation digitale en temps de COVID-19. By Gabriela Gublin Guerrero. BSI Economics: [website]. Open access. URL: http://www.bsi-economics.org/1240-transformation-digitaleen-temps-de-covid-19-note. Publication date 01/21/2021.

journal@mirbis.ru

process. At the same time, the internal environment Lapko 2012; Matyukhin 2016; Chursin 2020; Kirova

includes the components of innovation potential 2021], etc. the components of the innovation (resources and opportunities for their use), and environment include external and internal factors. external factors include market institutional We will present the main components in the Fig. 1 structures those promote innovative development. and add the factors of digital transformation to According to the scientific works [Kondrashov & traditional components.

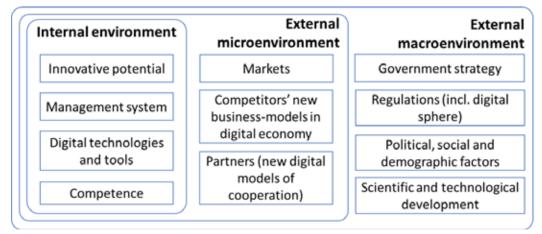


Fig. 1. Main components of the innovation environment of an industrial organization Sourse: own elaboration

So, the digital transformation influences on objects, intelligent systems, and user experience transformation of innovative environment of an through digital technology, are being useful in organization. This idea is discussing below.

Results of the influence of digital transformation on transformation of the innovative environment of an organization

Market and industry are used to the term "digital transformation and innovation" as a key term to show organizational evolution influenced have started their digital transformation are more by digital technologies. Though, a clear meaning competitive and thus able to more simply adapt to has not been usually approved, all the scientific changing environment conditions. articles are however agreed in communicating that acceleration of digital technological development, models, whereas changing the functioning and structural environment for businesses and clients.

are exploring and investigating with new conducts their organizations. New digital technologies, such the whole organization. as data analysis, digital communication, connected

all areas of activity, with various conventional businesses [Pagani & Pardo 2017]. Besides, some scientists have experimented the advantages of digital technology in organizations [Bertrand 2001; Leipzig 2017; Bedell-Pearce 2018; Subramaniam 2019; Dethine 2020], and that organization which

Nevertheless, despite the importance devoted digital transformation makes a radical change in to this phenomenon, some organizations, are organizations [Burki 2018]. For Lucas et al. [Lucas harassed to participate in an intelligible global 2013], the evolutions concern correcting corporate digital transformation process. The incorporation procedures, making new organizations, changes of digital technology needs funds and changes in in organization/client relations, markets, employer organization's internal performs, which occasionally experiences, and the number of clients, and lastly, necessitates the application of new internal the impact of disruptive technologies. By adding, the organizational strategies as well as the development of new skills. Industrial organizations usually invest joint with the growing globalization of related in digital technologies, operating in resourceful economies, is growing the innovation cycles of method, so far without resulting any real global products and services, and producing new corporate digital transformation strategy. This method, which emphases on a temporary vision, occasionally results in investment mistakes, and frequently Therefore, businesses from all commercial sectors in incremental development rather than in the progress of a deep change that make the most of by means of digital tools and technologies within value creation related with digital transformation of

To increase profit and be competitive in the

Gounongbe S. F., Grosheva P. Yu. Basis for managing the development of the innovative environment of an industrial organization during its digital transformation, p. 40–46

PLM and ERP, those are two tools for improving mastery of technology and information. The nature business operating methods. Historically intended of the arguments put forward largely depends on the for large groups, this software is now essential interpretive schemes proposed and the underlying for intermediary companies who want to remain assumptions about development processes and competitive. These are major assets in a process of more generally the interrelationships between the improving performance and optimizing costs and technical and the social. This innovation enabled resources. the capabilities and scope of intervention the infrastructural revolution, which now allows the of these tools remain unclear for manufacturers, sustainability and the modernization of regional and the boundaries between their functions are not infrastructures of your kind. always clear.

development and marketing of innovative products. methods. In this case, we need to develop:

We must notice that An ERP ("Enterprise Resource Planning") is enterprise resource management software that helps streamline manufacturing and supply chain processes. He is particularly involved in the management of finance, human resources, purchasing, manufacturing, sales, logistics and stocks.

PLM software enables the centralization of product information and the management of associated processes throughout the product lifecycle (design, development, manufacturing, services). It promotes collaboration between teams and reduces the time to market for products.

ERP and PLM tools do not have the same goal. ERP focuses on physical goods and the flows they cause within the company: logistics and financial common repository to guarantee its availability and the conditions of digitalization effectively. traceability.

Thus, we can see that the innovative environment of an industrial organization is changing dynamically companies need not only tools for the development as a result of the introduction of digital technologies of digital technologies, but also methods for efficient and digital management tools.

new economic tools and mechanisms for managing transformation. Nevertheless, more investigations the development of the innovative environment of and practices are needed. Therefore, additional an industrial organization based on increasing its investigations are essential to create methodologies innovative activity through digitalization.

Discussion and proposals concerning development of methodological basis

information and communication technologies to allow the company to efficaciously perform digital development processes and territorial dynamics business transformation. through the introduction of digital transformation is

market, Industrial organizations generally use today at the center of many debates, both about the

In fact, companies need to be more and more However, their roles and objectives are different competitive because of the changing environment. and complementary: ERP optimizes the use To achieve that goal, companies should change their of company resources and PLM facilitates the approaches for managing innovation by adding new

- the system of indicators for assessing the level of development of the innovative environment of an industrial organization, considering digitalization.
- the method for assessing the level of development of the innovative environment of an industrial organization.
- the method for managing the stimulation of innovation in the digital transformation of an industrial organization
- the mechanism for managing development of the innovative environment of an industrial organization based on increasing its innovative activity through digitalization.

The combination of these tools and mechanisms flows. PLM focuses on the management of the will allow industrial organizations to manage the product lifecycle. It centralizes information in a transformation of the innovation environment in

Conclusion

To reply to the contests of the digital economy, digital business modeling. The organized method As a result, industrial organizations need to have that we showed in this article is one step in business that allow, depending on the needs of the business and the strategic priorities of the company, given its digital progress, to choose the suitable technologies At the same time, the contribution of new and digital value conception factors that will

45

Gounongbe S. F., Grosheva P. Yu. Basis for managing the development of the innovative environment of an industrial organization during its digital transformation, p. 40–46

References

- 1. Bedell-Pearce 2018 Bedell-Pearce J. Safe Digital Transformation for SMEs. DOI 10.1016/S1353-4858(18)30110-7. *Network Security*. 2018; 2018(11): 6–7.
- Bertrand 2001 Bertrand N. Technologies d'information et de communication : quel rôle dans les dynamiques territoriales de développement? DOI 10.3917/reru.011.0135. Revue d'Économie Régionale & Urbaine. 2001; 1: 135–152.
- 3. Burki 2018 Burki T. Developing Countries in the Digital Revolution. DOI 10.1016/S0140-6736(18)30191-0. *The Lancet*. 2018; 391(10119): 417.
- 4. Castells 2010 Castells M. *End of Millennium, The Information Age: Economy, Society and Culture* Vol. III. 2nd Edition. Malden, MA; Oxford, UK: Blackwell, 2010. 448 p. ISBN-13 978-0631221395.
- 5. Chursin 2020 Chursin A. A. Fundamentals of the economic growth of engineering enterprises in the face of challenges of the XXI century. By A. A. Chursin, P. Yu. Grosheva, A. V. Yudin. DOI 10.1088/1757-899X/862/4/042049. *IOP Conference Series: Materials Science and Engineering. Volume 862*. Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations. 2020. P. 42049.
- 6. Dethine 2020 Dethine B. 2020. Digitalization and SMEs' Export Management: Impacts on Resources and Capabilities. By B. Dethine, M. Enjolras, D. Monticolo. DOI 10.22215/timreview/1344. *Technology Innovation Management Review*. 2020; 10(4): 18–34.
- 7. Innovacionnaya e`konomika 2012 Innovacionnaya e`konomika [Innovative Economics] : An Encyclopedic Dictionary-reference. By N. I Komkov et al. INP RAN. Moscow : MAKS Press Publ., 2012. 544 p. ISBN 978-5-317-04078-9 (in Russ.).
- 8. Kirova 2021 Kirova I. V. Innovacionnaya sreda kak faktor povy`sheniya e`ffektivnosti deyatel`nosti real`nogo sektora e`konomiki [Innovation environment as a factor of in-creasing the efficiency of the real sector of the economy]. *Finansovy`e ry`nki i banki*. 2021; 8: 11–14. ISSN 2658-3917 (in Russ.).
- 9. Knight 2006 Knight F. H. *Risk, Uncertainty and Profit*. New York: Cosimo, Inc., 2005. 400 p. ISBN 9781596052420.
- 10. Kondrashov & Lapko 2020 Kondrashov O., Lapko B. Innovacionnaya sreda v sisteme e`konomicheskogo razvitiya [Innovative environment in the system of economic development]. DOI 10.29235/1818-9857-2020-12-38-44. *Nauka i innovacii*. 2020; 12: 38–44 (in Russ.).
- 11. Leipzig 2017 Leipzig T. Initializing Customer-Orientated Digital Transformation in Enterprises. By T. Leipzig et al. Dol 10.1016/j.promfg.2017.02.066 *Procedia Manufacturing*. 2017; 8: 517–24.
- 12. Lucas 2013 Lucas H. Impactful Research on Transformational Information Technology: An Opportunity to Inform New Audiences. By Henry Lucas, Jr., Ritu Agarwal, Eric K. Clemons, Omar A. El Sawy and Bruce Weber. *MIS Quarterly*. 2013; 37(2): 371–382, http://www.jstor.org/stable/43825914.
- 13. Marshall 2013 Marshall A. *Principles of Economics*, 8th edition, London: Macmillan, 2013. ISBN 978-0-230-24929-5. DOI 10.1057/9781137375261.
- 14. Barreiro & Ravix 2008 Barreiro E., Ravix J. T. Innovation, connaissance et organisation de l'industrie: le paradoxe de l'entrepreneur. *Innovations*. 2008; 27: 69-85. DOI: 10.3917/inno.027.0069.
- 15. Matyukhin 2016 Matyukhin D. A. Innovacionnaya sreda v sfere deyatel`nosti predpriyatij [Innovative environment in the field of enterprise activity]. Evrazijskij nauchny`j zhurnal. 2016. № 2. S. 23-24. eISSN: 2410-7255 (in Russ.).
- 16. Pagani & Pardo 2017 Pagani, M. Pardo C. The Impact of Digital Technology on Relationships in a Business Network. DOI 10.1016/j.indmarman.2017.08.009. *Industrial Marketing Management*. 2017. 67: 185–92.
- 17. Schumpeter 2004 Schumpeter J. A. The Theory of Economic Development, tenth printing. Transaction Publishers, New Brunswick, New Jersey 2004. 255 p. ISBN 9780674879904.
- 18. Subramaniam 2019 Subramaniam M. Competing in Digital Ecosystems. By M. Subramaniam, B. Iyer, V. Venkatraman. DOI 10.1016/j.bushor.2018.08.013. *Business Horizons*. 2019. 62 (1): 83–94.

Список источников

- 1. Bedell-Pearce J. Safe Digital Transformation for SMEs. DOI 10.1016/S1353-4858(18)30110-7 // Network Security. 2018; 2018(11): 6–7.
- 2. Bertrand N. Technologies d'information et de communication : quel rôle dans les dynamiques territoriales de développement? DOI 10.3917/reru.011.0135 // Revue d'Économie Régionale & Urbaine. 2001; 1: 135–152.
- 3. Burki T. Developing Countries in the Digital Revolution. DOI 10.1016/S0140-6736(18)30191-0 // The Lancet.

46 Gounongbe S. F., Grosheva P. Yu. Basis for managing the development of the innovative environment of an industrial organization during its digital transformation, p. 40–46

2018; 391(10119): 417.

- 4. Castells M. End of Millennium, The Information Age: Economy, Society and Culture. Vol. III. 2nd Edition. Malden, MA; Oxford, UK: Blackwell, 2010. 448 p. ISBN-13 978-0631221395.
- 5. Chursin A. A. Fundamentals of the economic growth of engineering enterprises in the face of challenges of the XXI century / A. A. Chursin, P. Yu. Grosheva, A. V. Yudin. DOI 10.1088/1757-899X/862/4/042049 // IOP Conference Series: Materials Science and Engineering. Volume 862. Krasnoyarsk Science and Technology City Hall of the Russian Union of Scientific and Engineering Associations. 2020. P. 42049.
- 6. Dethine B. 2020. Digitalization and SMEs' Export Management: Impacts on Resources and Capabilities / B. Dethine, M. Enjolras, D. Monticolo. DOI 10.22215/timreview/1344 // Technology Innovation Management Review. 2020; 10(4): 18–34.
- 7. Инновационная экономика: энциклопедический словарь-справочник / Н. И. Комков и др. Москва: Макс Пресс, 2012. 544 р. ISBN 978-5-317-04078-9.
- 8. *Кирова И. В.* Инновационная среда как фактор повышения эффективности деятельности реального сектора экономики // Финансовые рынки и банки. 2021; 8: 11–14. ISSN: 2658-3917
- 9. Knight F. H. Risk, Uncertainty and Profit. New York: Cosimo, Inc., 2005. 400 p. ISBN 9781596052420.
- 10. Кондрашов О., Лапко Б. Инновационная среда в системе экономического развития. DOI 10.29235/1818-9857-2020-12-38-44 // Наука и инновации. 2020; 12: 38–44.
- 11. Leipzig T. Initializing Customer-Orientated Digital Transformation in Enterprises. By T. Leipzig et al. D0l 10.1016/j.promfg.2017.02.066 // Procedia Manufacturing. 2017; 8: 517–24.
- 12. Lucas H. Impactful Research on Transformational Information Technology: An Opportunity to Inform New Audiences / Henry Lucas, Jr., Ritu Agarwal, Eric K. Clemons, Omar A. El Sawy and Bruce Weber // MIS Quarterly. 2013; 37(2): 371–382, http://www.jstor.org/stable/43825914.
- 13. Marshall A. Principles of Economics, 8th edition, London: Macmillan, 2013. ISBN 978-0-230-24929-5. DOI 10.1057/9781137375261.
- 14. Barreiro E., Ravix J. T. Innovation, connaissance et organisation de l'industrie: le paradoxe de l'entrepreneur // Innovations. 2008; 27: 69-85. DOI: 10.3917/inno.027.0069.
- 15. Матюхин Д.А. Инновационная среда в сфере деятельности предприятий. Евразийский научный журнал. 2016. № 2. C. 23-24. eISSN: 2410-7255.
- 16. Pagani, M. Pardo C. The Impact of Digital Technology on Relationships in a Business Network. DOI 10.1016/j. indmarman.2017.08.009 // Industrial Marketing Management. 2017. 67: 185–92.
- 17. Schumpeter J. A. The Theory of Economic Development, tenth printing. Transaction Publishers, New Brunswick, New Jersey 2004. 255 p. ISBN 9780674879904.
- 18. Subramaniam M. Competing in Digital Ecosystems. By M. Subramaniam, B. Iyer, V. Venkatraman. DOI 10.1016/j. bushor.2018.08.013. Business Horizons. 2019. 62 (1): 83–94.

Information about the authors:

Gounongbe Sossa Florentin – postgraduate student, Department of applied economics; **Grosheva Polina Yu.** – Candidate of Sci. (Econ.), associate Professor of the Department of applied economics. AuthorID (RSCI): 790449.

Place of work of the authors: Peoples' Friendship University of Russia (RUDN University), 6 Miklukho-Maklaya str., Moscow 117198, Russia.

Информация об авторах:

Гунонгбе Сосса Флорентин — аспирант, кафедра прикладной экономики; **Грошева Полина Юрьевна** — кандидат экономических наук, доцент кафедры прикладной экономики. ID автора (РИНЦ): 790449.

Место работы авторов: Российский университет дружбы народов (РУДН), ул. Миклухо-Маклая, 6, Москва 117198, Россия.

The article was submitted 12/27/2021; approved after reviewing 01/14/2022; accepted for publication 03/05/2022

Статья поступила в редакцию 27.12.2021; одобрена после рецензирования 14.01.2022; принята к публикации 05.03.2022.