

SYSTEMATIZATION OF FUNCTIONAL FEATURES OF INTELLECTUAL AND INNOVATIVE DETERMINANTS OF THE INTENSIFICATION OF THE REGIONAL ECONOMIC DEVELOPMENT

AUTHORSHIP

Semen Khanin 

PhD in Economics, Associate Professor, IHE "Academician Yuriy Bugay International Scientific and Technical University", 3 lane Magnitogorsky, Kyiv, 02000, Ukraine.

ORCID: <https://orcid.org/0000-0003-1520-9504>

E-mail: felix@ukr.net

Svitlana Tulchynska 

Dr. of Economics, Professor, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, 37 Peremohy Avenue, 03056, Ukraine.

ORCID: <https://orcid.org/0000-0002-1409-3848>

E-mail: tuha@ukr.net

Olha Popelo 

Dr. of Economics, Associate Professor, Chernihiv Polytechnic National University, Chernihiv, 95 Shevchenka Str., 14035, Ukraine.

ORCID: <https://orcid.org/0000-0002-4581-5129>

E-mail: popelo.olha@gmail.com

Marta Derhaliuk 

PhD in Economics, Associate Professor, National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, 37 Peremohy Avenue, 03056, Ukraine.

ORCID: <https://orcid.org/0000-0001-8791-9121>

E-mail: b_derhaliuk@ukr.net

Tymur Ishcheykin 

PhD in Economics, Associate Professor, Poltava State Agrarian Academy, Poltava, 1/3 Skovoroda Str., 36000, Ukraine.

ORCID: <http://orcid.org/0000-0002-9311-6904>

E-mail: ischeykin.timur@gmail.com

Received in:
2021-06-10

Approved in:
2021-07-14

DOI: <https://doi.org/10.24115/S2446-62202021721118p.710-720>

INTRODUCTION

Transformation processes in the spatial-regional structure of the domestic economy have provoked a shortage of methodological tools for regulating the intensification of the development, disproportionate trends in the allocation of resources and activation of the economic potential of the regions. The imbalances caused by the decentralization of the regional policy in the context of the pandemic and forced lockdowns of 2020-2021 only increase crisis challenges. The regional policy of decentralization on the one hand has become a tool for effective intra-regional allocation of resources and targeted funding for development projects, and on the other - the scale of certain infrastructure, national challenges, global challenges provoke a shortage of economic opportunities and investment resources in regional reserves. Overcoming negative manifestations and the coherence of market and regulatory regulation of the dynamics of change in regional economic systems are becoming modern challenges, the solution of which depends on the scale and speed of innovation and intellectual support for the development and implementation of new technologies. Therefore, there is a topical

scientific and applied issue of the systematization of characteristics, patterns and principles of intellectual and innovative determinants of the intensification of regional economic systems.

Economic and social challenges of the recent world crisis have posed new challenges. Therefore, it is necessary to formalize the transformed processes of intellectual and innovative transformation of economic systems and their impact on the intensification of regional development.

The purpose of the study is to substantiate functional system-forming features of the influence of intellectual and innovative determinants on the intensification of the development of regional economic systems. To implement and achieve this goal, the following tasks were solved: creating a reasonable system of measures and conditions necessary for the intensification of intellectual and innovative modernization; formulating the main functional features of intellectual and innovative development of regions; orientation of the implementation of intellectual-innovative determinants of the intensification of the regional economy development is allocated; key tasks of management of intellectual and innovative determinants of the intensification of the development of regional economic space of the region are defined.

LITERATURE REVIEW

Many leading foreign and domestic scientists have devoted their research to issues of innovation and intellectual development both at the national level and at the regional level, including: Butko M., Pishenin I. (2019); Chernyakhovskaya L., Nizamutdinov M. (2019); Dobrenkov V.I., Afonin Y.A., Gagarinskaya G.P. (2017); Khudolei V., Bepalov M., Kholivko N. (2021); Korytko T., Bryl I., Piletska S., Arefieva O., Arefiev S. (2021); Kychko I., Zhygalkevych Zh., Treitiak O. (2021); Lazarenko I., Saloid S., Kyrychenko S., Tulchinskiy R. (2020); Lebedeva T., Egorov E., Tsapina T., Fokina T., Vasilyeva T. (2015); Lubkov I.V., Alaberdin R.R., Shepelev R.E. (2017); May-Boroda G., Gorbunov A., Gorbunova M. (2021); Revko A., Garafonova O., Rasskazov O. (2021); Samiilenko H., Khudolei V., Mashnenkov K., Derkachenko Yu. (2021); Thomas J. (2020); Vasilieva Z.A., Rusina A.N., Bagdasarian I.S., Filimonenko I.V. (2020); Vovk O., Kostyunik O. (2021) et al.

The research of scientists (KORYTKO T. et al., 2021) is devoted to the improvement of the strategy of innovative development of industrial enterprises based on the assessment of the intellectual capital of the enterprise and the development of stages of strategy selection by the method of hierarchical analysis. The proposed assessment of intellectual capital of the enterprise and the methodological approach to the formation and selection of strategies for innovative development in terms of its digitalization allow to analyze quantitative indicators of structural elements of intellectual capital and determine the state and level of development of each element. This makes it possible to increase the efficiency of formation and implementation of the strategy of innovative development of the enterprise.

Scientists' consideration of socio-economic systems (MAY-BORODA et al., 2021) in terms of global economic relations has shown the economic benefits of an effective national innovation system. The main issue of generalization of innovation activities of the socio-economic system is the assessment of the contribution of knowledge-based capital to its economic development. The case studies of the authors (THOMAS, 2020) are devoted to the importance of intellectual property in the development of an innovative product.

In scientific work (VASILIEVA et al., 2020) it is proved that the Russian regions are characterized by an inhomogeneous basis for the development of industries. In this regard, the Russian regions were classified as resource and non-resource and a hypothesis was put forward about the different impact of the characteristics of intellectual potential as a factor of innovative growth on the development of these regions. Modeling the quantitative relationships between groups of factors and the results of innovative development of the region allows to prove the key factors of the chosen innovative development and determine the degree of their impact in the regions based on resources and non-resources, justify differences and identify possible ways of further growth.

Article (CHERNYAKHOVSKAYA et al., 2019) considers the problem of organizing intellectual decision support in the management of innovative projects based on the knowledge base. It is proposed to form a comprehensive tool for developing an integrated model of presentation and processing of knowledge at different stages of the process of managing innovative projects based on ontological engineering. Theoretically, it is proposed to develop regional management models at the regional level and form a scientific foundation for further development and comprehensive use of adaptive control and modeling technologies based on modern intelligent information technologies used to address strategies and programs to justify innovation in the regions.

Researchers (LUBKOVA, 2017) have proved that legal protection and effective management of intellectual property is one of the effective mechanisms of Gazprom's activity, which ensures the implementation of state policy leading to innovative development of the country aimed at improving economic and financial indicators and the company's image as a modern innovation-oriented business. Patent protection of intellectual property materials is one of the legal guarantees for intellectual property materials provided by international law and applicable law. The intellectual property management system is mainly designed to establish general principles for structuring processes related to the creation, accounting, legal protection, commercialization of intellectual property results and monitoring their use.

Article (DOBRENKOV et al., 2017) is devoted to the consideration of the model of commercialization of intellectual property products in harmonious and integral unity with socio-economic mechanisms based on the best world achievements in this field. The social, economic and historical substantiation of the general civilization and unique features of formation and development of venture mechanisms of management of intellectual property are given.

Article (LEBEDEVA et al., 2015) proves the special relevance of the intellectualization of entrepreneurship. Intellectual entrepreneurship is seen as the result of the integration of science and entrepreneurship and the channel of knowledge transfer between them. The main results of the study are: the creation of comprehensive intellectual support for the development of innovative entrepreneurship in educational courses at the university; development of didactic tools to identify the necessary qualities of an entrepreneur in the environment of business intelligence; creating and testing the optimal model of the course, which allows you to prepare a smart entrepreneur.

RESULTS AND DISCUSSION

Modern processes of dominance of technologies and intellectual capital in the formation of cost, competitive incentives for the development of the regional economic system provoke not only technological changes in the sectorial structure of the regional space, but also determine priorities and strategies for further building and implementing existing potential. Intellectually innovative determinants of the intensification of the development of the regional economic system are studied by modern scientists in different interpretations. Considering intellectual and innovative shifts, scientists often emphasize that there is a transition of economic systems to an intellectualized paradigm of the development. That is, they reveal the processes of transformation of knowledge activity into intellectual economy. At the same time, innovations act as an activator of intellectual economy, which is manifested through the transition of production, resource-intensive economic systems to knowledge products. Thus, in terms of the essence, intellectual and innovative determinants are complementary catalysts for the transition of the regional economy to transformation processes and determine the intensification of the regional development.

In the activation and effectiveness of intellectual and innovative determinants of the economic systems development, priority is given to the knowledge and creative potential of staff. Without diminishing the importance of intellectual capital and staff competencies in the development new technologies, at the regional level, intellectual and innovative determinants are activated, in our opinion, the accumulated intellectual potential and motivation of labor resources for modernization.

Moreover, it is necessary to emphasize the study of structural changes in the regional economic space, as intellectual and innovative development of regions should be the result of structural changes in the national economy under the influence of globalization. The system of measures and conditions necessary for the intensification of intellectual and innovative modernization, which will contribute to the intensification of regional development should include:

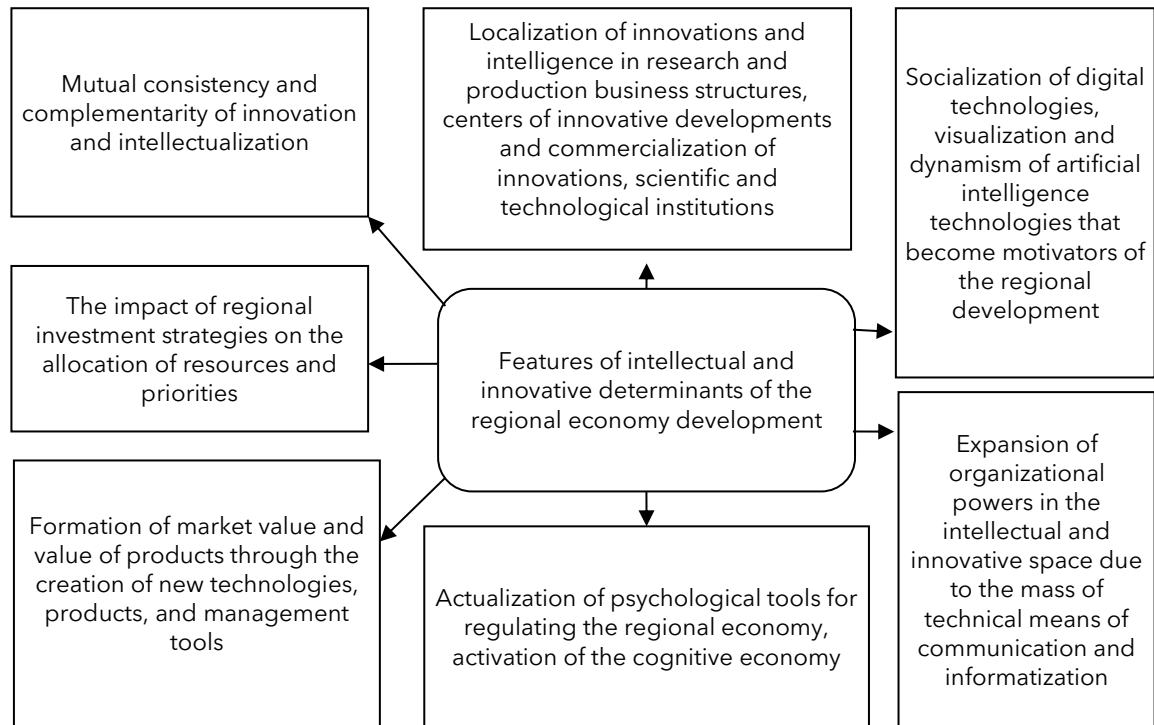
- establishment of economic relations between scientific and educational institutions with production sectors;
- institutional support for technology-oriented sectors of economy that develop and sell innovative, competitive products in global markets;
- motivating the private sector of economy to produce innovative products, development of intelligent digital technologies;
- emphasis on intellectual and innovative processes on the ecological principles of sustainable development.

Thus, any intellectual and innovative changes in the economic space of the region are provoked by the emergence and commercialization of innovations. If the regional system is able to master and disseminate the latest technological solutions, which depends on the level of intellectual development, then there is an acceleration of the processes of forming a competitive and effective potential for its development. Innovative development of the region is a purposeful and managed process of changes in various spheres of life of regional economic systems, aimed at achieving high quality of life, with the least damage to natural resources and the highest level of meeting current and future collective growing needs and socio-economic interests. Summarizing modern scientific research, we formulate the main functional features of intellectual and innovative development of regions:

- mutual consistency of innovation and intellectualization: the level of economic implementation of human intelligence in the regional economic system creates innovations that in the processes of commercialization become activators of high-tech production. At the same time, innovations in foreign markets provoke the need for new knowledge for their development. Together, intelligence and innovation intensify structural change and redistribution of capital in the regional space;
- distribution of resources in the intellectual and innovative flows of technology is in accordance with the investment strategies of institutional settlement between economic spheres of the region;
- centers of intellectual and innovative activation of development processes are research and production business structures, centers of innovative development and commercialization of innovations, scientific and technological institutions;
- socialization of digital technologies, which provokes the mass intellectualization and digitalization of social and economic communications, visualization and dynamism of artificial intelligence technologies;
- expansion of intellectual and innovative space: availability of information, dissemination of availability of technical means of communication and informatization, the Internet;
- development of cognitive economy, which is provoked by the uniqueness of each person-consumer, the use of psychological tools to regulate public perception of the effectiveness of political and economic development of regions;
- formation of market value and value of products through the creation of new technologies of production, sales and communications in regional markets.

The generalization of functional features of intellectual-innovative determinants of the development of regional economic systems is visualized in Fig. 1.

Fig. 1. Functional features of intellectual and innovative determinants of the development of regional economic systems



Source: suggested by the authors.

Given the formalized functional features of intellectual and innovative determinants, we can identify the role of intellectualization in intensifying the development of regional economic systems:

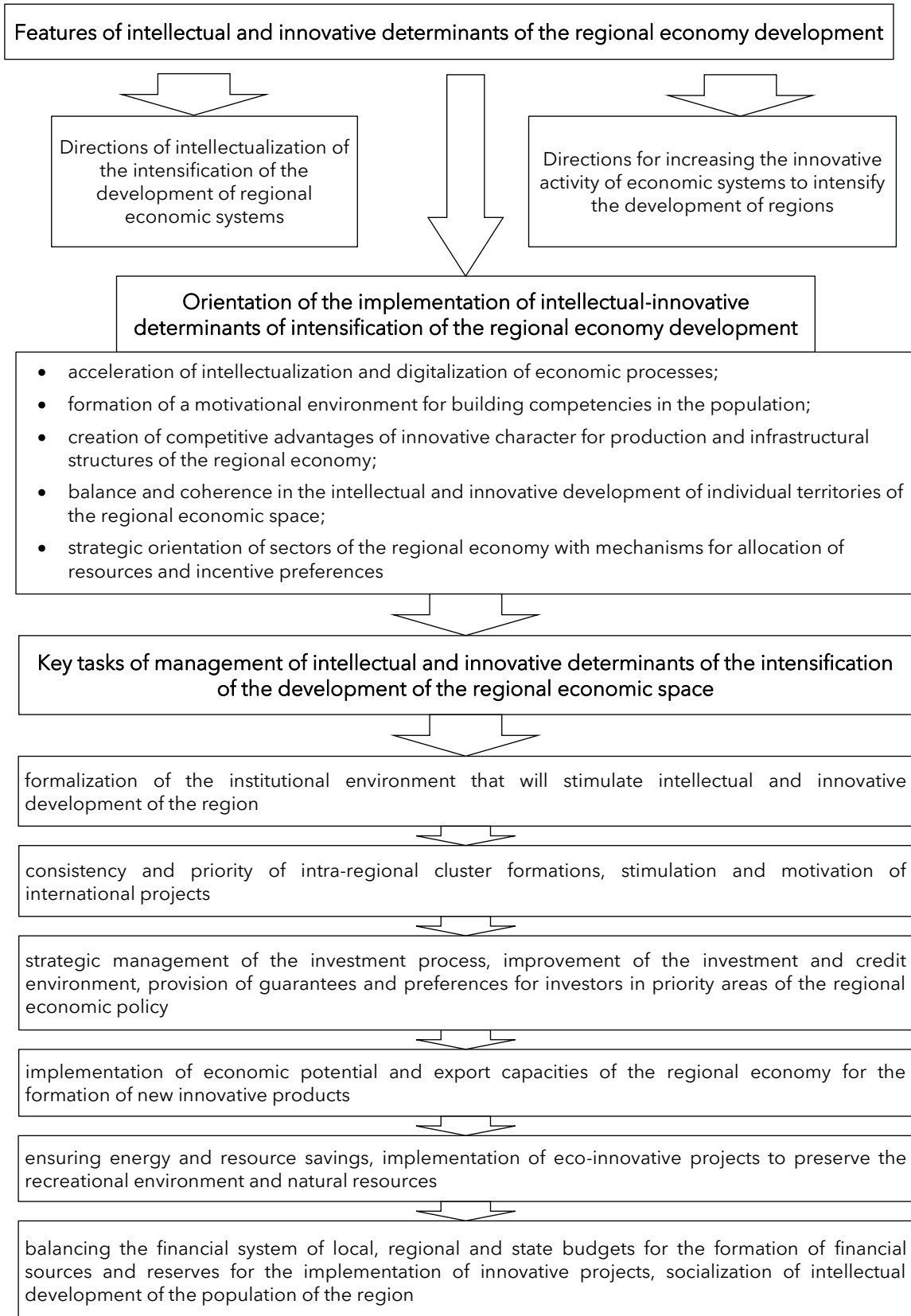
- trends in the mass and continuity of education - affect the growth of personal competencies and their adaptability to changes in the economic environment;
- development of skills and rapid development of human technologies to meet new basic needs (primarily communication and consumer) - affect the development of marketing technologies, digitalization of economic relations, socialization of IT commerce;
- introduction of mental, cognitive tools for regulating socio-economic views in the regions affects the formation of values and demands of the population;
- development of institutional and legal regulation of the circulation and valuation of intangible assets forms the cost and competitive characteristics of the economic system of the region;
- intellectualization of digital technologies, technical systems and processes reveals economic opportunities to accelerate the turnover of assets and the formation of new economic advantages in the functioning of the economic system of the region;
- intellectualization and availability of information become motivators for the formation of specific characteristics of the regional space in certain areas, which further forms new products for tourism, mining and industrial, transport industries, as well as affects the quality of utilities, infrastructure, recreation, cultural and educational services.
- creation of economic characteristics and formation of value-forming properties of intelligence affects the rethinking of environmental, energy and social priorities in the business environment of the region - it creates new development incentives and affects the overall efficiency and spaciousness of the regional economic system.

The factors influencing the innovative activity of economic systems on the intensification of regional development include:

- development of production technologies, energy and resource conservation, greening, which form the effectiveness and image of the region in the national economic system;
- innovation cooperation and joint projects for the development and commercialization of innovations at both national and international levels;
- availability of markets for innovative products creates for the regional economy not only competitive advantages, but also requires a high level of international communications, quality and balance in production and infrastructure;
- cooperation in the field of innovation becomes for the regions a factor of balanced socio-economic development of both high-tech, urbanized and remote rural areas, which is provoked by the synergy of development;
- introduction of innovations and corresponding modernization require intensification and formation of new economic structures, which provokes capacity building and economic systems in the regional space;
- to increase the competitiveness in the external environment of the region it is necessary to first meet the demands and needs of the internal space - effective implementation of this goal through innovation provokes the development of technology, conservation of resources and the formation of competitive competencies.

In Fig. 2, the systematization of functional features of intellectual and innovative determinants of the intensification of the development of regional economic systems is presented.

Fig. 2. Systematization of functional features of intellectual and innovative determinants of the intensification of the development of regional economic systems



Source: suggested by the authors

Thus, the implementation of intellectual and innovative determinants of the intensification of the regional economic development should be focused on:

- acceleration of intellectualization and digitalization of economic processes;
- formation of a motivational environment for increasing the competencies of the population, their preservation in the internal economic space of the region, the development of stimulators of intellectual and innovative development of economic business structures and social and corporate responsibility;
- creation of competitive advantages of innovative character for production and infrastructural structures of the regional economy;
- balance and coherence in the intellectual and innovative development of individual territories of the regional economic space;
- strategically oriented sectors of the regional economy with mechanisms for allocating resources and incentive preferences should be determined taking into account the analysis of the effectiveness of the implementation of intellectual and innovative determinants;
- formation of investment attractiveness and economic potential for resource provision of intellectual and innovative development of the region.

In view of the above, the key tasks of managing intellectual and innovative determinants of the intensification of the development of the regional economic space of the region should include:

firstly, the formalization of the institutional environment that will stimulate intellectual and innovative development of the region;

secondly, the consistency and priority of intra-regional clusters that ensure competitiveness at the national and international levels. At the same time, it is necessary to stimulate and motivate international projects on intellectualization and innovative development.

thirdly, strategic management of the investment process, improvement of the investment and credit environment, provision of guarantees and preferences for investors in priority areas of the regional economic policy;

fourthly, the implementation of economic potential and export capacity of the regional economy for the formation of new innovative products;

fifthly, ensuring energy and resource savings, implementation of eco-innovation projects to preserve the recreational environment and natural resources;

sixthly, balancing the financial system of local, regional and state budgets for the formation of financial sources and reserves for the implementation of innovative projects, socialization of the processes of intellectual development of the population of the region.

CONCLUSIONS

As a result of the study, features, functional properties and directions of the activation of intellectual and innovative determinants of the intensification of the development of the regional economic system were determined. This allowed to formalize economic and institutional guidelines of strategic management and regulation of the implementation of determinants to ensure balance, competitiveness and effectiveness of the regional economic system.

The scientific novelty of the study is to systematize functional features of intellectual and innovative determinants of the intensification of regional economic systems, which provided an opportunity to justify the orientation and key objectives of management of intellectual and innovative determinants of the intensification of the regional economic space. Further, studies of the functional features of the intellectual-innovative determinant must be conducted in the plane of the formalization of economic tools for the analysis of their impact on the effectiveness of the regional economic system.

REFERENCES

- BUTKO, M.; POPELO, O.; PISHENIN, I. Innovations in Human Resources Management in Eurointegration Conditions: Case for Ukrainian Agro-industrial Complex. *Marketing and management of innovations*, 2019, n. 2, p. 74-82. Available at: https://mmi.fem.sumdu.edu.ua/sites/default/files/07_MMI-02-2019_A172-2018_Butko%20et%20al.pdf. Access: May 3, 2021.
- CHERNYAKHOVSKAYA, L.; NIZAMUTDINOV, M. Development of Knowledge Base for Intellectual Decision Support in the Process of Innovative Project Management. *2019 XXI International Conference Complex Systems: Control and Modeling Problems (CSCMP)*, 2019, 3-6 September 2019, 19318924, p. 384-387. Available at: <https://ieeexplore.ieee.org/document/8976758>. Access: May 23, 2021.
- DOBRENKOV, V.I.; AFONIN, Y.A.; GAGARINSKAYA, G.P.; ORLOVA, L.V.; PRONINA, N.N.; SABIROVA, G.T. Innovative development: International experience of intellectual property commercialization. *European Research Studies Journal*, 2017, v. 20, n. 4, p. 241-252. Available at: <https://www.ersj.eu/dmdocuments/2017-xx-4-a-16.pdf>. Access: April 13, 2021.
- KHUDOLEI, V.; BESPALOV, M.; TULCHYNSKA, S.; TULCHINSKY, R.; KHOLIVKO, N. Fiscal stimulation of spatial development: the eu countries` cases. *Financial and credit activities: problems of theory and practice*, 2021, n. 1(36), p. 124-132. Available at: <http://fdk1.ubs.edu.ua/article/view/227676>. Access: April 20, 2021.
- KORYTKO, T.; BRYL, I.; PILETSKA, S.; AREFIEVA, O.; AREFIEV, S. Strategy of innovative development of an enterprise on the basis of evaluation of its intellectual capital. *Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu*, 2021, n. 3, p. 134-141. Available at: http://nvngu.in.ua/jdownloads/pdf/2021/3/03_2021_Korytko.pdf. Access: May 5, 2021.
- LAZARENKO, I.; SALOID, S.; TULCHYNSKA, S.; KYRYCHENKO, S.; TULCHINSKIY, R. Necessity of implementing data science course in economics curricula. *Information technology and training tools*, 2020, v. 4, n. 78, p. 132-144. Available at: <https://journal.iitta.gov.ua/index.php/it/article/view/3505/1699>. Access: April 19, 2021.
- LEBEDEVA, T.; EGOROV, E.; TSAPINA, T.; FOKINA, T.; VASILYEVA, T. Intellectual provision of the innovative entrepreneurship development. *Mediterranean Journal of Social Sciences*, 2015, v. 6, n. 5S3, p. 303-310. Available at: <https://www.richtmann.org/journal/index.php/mjss/article/view/7778>. Access: April 15, 2021.
- LUBKOVA, I. V.; ALABERDIN, R. R.; SHEPELEV, R.E. Intellectual property management as an essential tool of innovative development in the energy sector. *International Gas Research Conference Proceedings*, 2017, May 24, 2017 - May 26, 2017, v. 2, p. 917-921. Available at: https://www.scopus.com/record/display.uri?eid=2-s2.085057549440&origin=resultslist&sort=plff&src=s&sid=0db3aa5deba6926345a38216476421c4&sot=b&sdt=b&sl=115&s=TITLE-ABS-KEY%28Intellectual+property+management+as+an+essential+tool+of+innovative+development+in+the+energy+sector%29&relpos=0&citeCnt=0&searchTerm=&featureToggles=FEATURE_NEW_METRICS_SECTION:1. Access: May 11, 2021.
- MAY-BORODA, G.; GORBUNOV, A.; GORBUNOVA, M. Intellectual Potential as a Foundation of Innovative Development of Socio-economic Systems. In: POPKOVA, E. G.; SERGI, B.S. (eds). *Modern Global Economic System: Evolutional Development vs. Revolutionary Leap. ISC 2019. Lecture Notes in Networks and Systems*. Springer, 2021, Cham, v. 198, p. 1419-1426. Available at: https://link.springer.com/chapter/10.1007%2F978-3-030-69415-9_157. Access: April 14, 2021.
- POPELO, O.; KYCHKO, I.; TULCHYNSKA, S.; ZHYGALKEVYCH, ZH.; TREITIAK, O. The Impact of Digitalization on the Forms Change of Employment and the Labor Market in the Context of the Information Economy Development. *IJCSNS International Journal of Computer Science and Network Security*, 2021, v. 21, n. 5, p. 160-167. Available at: http://paper.ijcsns.org/07_book/202105/20210523.pdf. Access: May 18, 2021.

POPELO, O.; BUTKO, M.; REVKO, A.; GARAFONOVA, O.; RASSKAZOV, O. Strategy of the Formation and Development of an Innovative Agroindustrial Cluster of the Region in a Context of Decentralization of the Authoritative Powers. *Financial and credit activity: problems of theory and practice*, 2021, v. 2, n. 37, p. 219-230. Available at: <http://fkd1.ubs.edu.ua/article/view/230180>. Access: April 28, 2021.

SAMIILENKO, H.; POPELO, O.; KHUDDOLEI, V.; MASHNENKOV, K.; DERKACHENKO, Y. Transformational processes of clustering in digital economy. *Laplace em Revista (International)*, 2021, vol.7, n. Extra C, p. 691-702. Available at: <https://laplaceemrevista.editorialaar.com/index.php/lpg1/article/view/1106/1011>. Access: April 6, 2021.

THOMAS, J. ID Case Study: The Value of Intellectual Property in Innovative Product Development. In: DI BUCCHIANICO, G.; SHIN, C.; SHIM S.; FUKUDA, S.; MONTAGNA, G.; CARVALHO, C. (eds). *Advances in Industrial Design. AHFE 2020. Advances in Intelligent Systems and Computing*, 2020, v. 1202. Available at: https://link.springer.com/chapter/10.1007%2F978-3-030-51194-4_32. Access: May 3, 2021.

TULCHYNSKA, S.; VOVK, O.; POPELO, O.; SALOID, S.; KOSTIUNIK, O. Innovation and investment strategies to intensify the potential modernization and to increase the competitiveness of microeconomic systems. *IJCSNS International Journal of Computer Science and Network Security*, 2021, v. 21, n. 6, p. 161-168. Available at: http://paper.ijcsns.org/07_book/202106/20210622.pdf. Access: May 29, 2021.

VASILIEVA, Z.A.; RUSINA, A.N.; BAGDASARIAN, I.S.; FILIMONENKO, I.V. Assessing the Impact of Intellectual Potential on the Innovative Development of Resource-Based Region. *Lecture Notes in Networks and Systems*, 2020, v. 129 LNNS, p. 740-754. Available at: https://www.scopus.com/record/display.uri?eid=2s2.085086263307&origin=resultslist&sort=plff&src=s&sid=18197766eb799f96b6689c9d3316ba0d&sot=b&sdt=b&sl=116&s=TITLE-ABSKEY%28Assessing+the+Impact+of+Intellectual+Potential+on+the+Innovative+Development+of+ResourceBased+Region%29&relpos=0&citeCnt=2&searchTerm=&featureToggles=FEATURE_NEW_METRICS_SECTION:1. Access: April 30, 2021.

Systematization of functional features of intellectual and innovative determinants of the intensification of the regional economic development

Sistematização de características funcionais de determinantes intelectuais e inovadores da intensificação do desenvolvimento da economia regional

Sistematización de características funcionales de los determinantes intelectuales e innovadores de la intensificación del desarrollo económico regional

Resumo

No artigo, a essência econômica, as abordagens científicas e as interpretações modernas do desenvolvimento intelectual e inovador dos sistemas econômicos são consideradas. São determinadas as condições e medidas de ativação dos determinantes intelectual-inovadores da intensificação do desenvolvimento dos sistemas econômicos regionais. A distribuição de recursos na região entre territórios individuais é implementada de acordo com estratégias de investimento de desenvolvimento intelectual e inovador. Levando em consideração características funcionais e fatores de influência dos determinantes intelectuais e inovadores, o autor identifica as diretrizes para sua implementação na intensificação dos processos de desenvolvimento nas regiões. Isto permitiu formular direções para assegurar a eficácia dos determinantes intelectuais e inovadores, que incluem intensificar a cooperação e fortalecer posições exportadoras, criando vantagens competitivas de caráter inovador, aumentando e adaptando competências e habilidades digitais na população, desenvolvimento territorial equilibrado através do recurso cognitivo alocação.

Palavras-chave: Determinantes intelectuais e inovadores. Intelectualização. Ativação. Sistema econômico regional. Características funcionais.

Abstract

Within the article, economic essence, scientific approaches and modern interpretations of intellectual and innovative development of economic systems are considered. The conditions and measures of the activation of intellectual-innovative determinants of the intensification of the development of regional economic systems are determined. Distribution of resources in the region between individual territories is implemented according to investment strategies of intellectual and innovative development. Considering functional features and factors of influence of intellectual and innovative determinants, the author identifies the guidelines for their implementation in the intensification of development processes in the regions. This allowed to formulate directions for ensuring the effectiveness of intellectual and innovative determinants, which include intensifying cooperation and strengthening export positions, creating competitive advantages of an innovative nature, increasing and adapting competencies and digital skills in the population, balanced territorial development through the cognitive resource allocation.

Keywords: Intellectual and innovative determinants. Intellectualization. Activation. Regional economic system. Functional features.

Resumen

Dentro del artículo, se consideran la esencia económica, los enfoques científicos y las interpretaciones modernas del desarrollo intelectual e innovador de los sistemas económicos. Se determinan las condiciones y medidas de activación de los determinantes intelectuales-innovadores de la intensificación del desarrollo de los sistemas económicos regionales. La distribución de recursos en la región entre territorios individuales se implementa de acuerdo con estrategias de inversión de desarrollo intelectual e innovador. Teniendo en cuenta características funcionales y factores de influencia de los determinantes intelectuales e innovadores, el autor identifica los lineamientos para su implementación en la intensificación de los procesos de desarrollo en las regiones. Esto permitió formular orientaciones para asegurar la efectividad de los determinantes intelectuales e innovadores, que incluyen intensificar la cooperación y fortalecer las posiciones exportadoras, crear ventajas competitivas de carácter innovador, incrementar y adaptar competencias y habilidades digitales en la población, desarrollo territorial equilibrado a través del recurso cognitivo asignación.

Palabras-clave: Determinantes intelectuales e innovadores. Intelectualización. Activación. Sistema económico regional. Características funcionales.