

# Innovative Priorities for the Development of Integrated Forms of Entrepreneurship at the Regional Level

BORYS POHRISHCHUK<sup>1</sup>, SERGIY NADVYNYCHNYI<sup>2</sup>, NATALIA DOBIZHA<sup>3</sup>,  
VOLODYMYR SHCHERBYCH<sup>4</sup>, OLEG POHRISHCHUK<sup>1</sup>

<sup>1</sup>Department of Economics, Accounting and Taxation,  
Vinnytsia Educational and Scientific Institute of Economics of West Ukrainian National University,  
Vinnytsia, UKRAINE

<sup>2</sup>Educational and Scientific Center for the Organization of the Educational Process,  
West Ukrainian National University, Ternopil,  
UKRAINE

<sup>3</sup>Department of Finance, Banking and Insurance,  
Vinnytsia Educational and Scientific Institute of Economics of West Ukrainian National University,  
Vinnytsia, UKRAINE

<sup>4</sup>Department of International Tourism and Hotel Business, West Ukrainian National University,  
Ternopil, UKRAINE

*Abstract:* - The priority of innovative development at the regional level through the formation of innovative infrastructure is substantiated. We used system-complex and innovation-oriented approaches to determine the components of the regional development proposed.

The work included the task of implementing the concept of modern regional development is defined. It was determined that the further expansion of the innovative infrastructure is objectively conditioned by the level of scientific, technological, and intellectual potential, the number of intellectual property objects, and other developments. The applied aspects of the operation of integrated forms of entrepreneurship at the regional level were considered, and directions for increasing investment activity and ensuring their competitiveness were determined.

The expediency of forming an innovative infrastructure for the implementation of innovative priorities for the development of integrated forms of entrepreneurship at the regional level and ensuring its effective functioning and further expansion has been proven.

The organizational possibilities for the implementation of innovative priorities at the regional level and innovative development projects with the aim of increasing investment income in the regional economy have been revealed.

*Keywords:* - entrepreneurship, innovation, innovation priorities, region, organization, management, integrated forms of entrepreneurship.

Received: September 19, 2022. Revised: January 21, 2023. Accepted: February 23, 2023. Published: March 17, 2023.

## 1 Introduction

The development of integrated forms of entrepreneurship at the regional level is a component of ensuring integral, innovative, and effective development of the state. Studying the environment of innovative development and determining its priorities as an organizational and structured system provides an opportunity to consider it as a set of interconnected institutional structures, the appearance of which is a consequence of the long-term and purposeful influence of several factors, which corresponds to the developed plans

and programs and established norms for regulating relations in the process interaction of subjects of market relations.

A competitive economy requires active use of the existing scientific and technical base, a close connection between scientific research, and the introduction of new technologies in the economic activity of enterprises.

Key principles of forming a mechanism of innovative cooperation and establishment of mutually beneficial economic relations between business entities, [1]: use of funds on a competitive

basis as a lever for the activation of scientific and technological research and innovative processes of regional development; co-financing of scientific developments that will have applied applications for increasing the volume of innovative products, development of territorial communities and will activate potential investors; the positive reputation of the region as innovative, safe and attractive for investment and development of new technologies, processes, and product samples.

The research actualizes that the obstacle on the path of innovative development of entrepreneurship is the lack of a system-complex approach to the formation of priorities for innovative development, the imperfection of software and project support in the field of innovative development of entrepreneurship, which is expressed in the need to develop general rules and build relationships between the structural elements of the system innovative development.

The purpose of the work is to justify the priority development of integrated forms of entrepreneurship at the regional level through the formation of innovative infrastructure. The tasks of the research include: determination of the organizational capabilities of entrepreneurship in the implementation of innovative priorities of regional development; determination of directions for implementation of the regional development concept; research on issues of infrastructural development of entrepreneurship; coverage of applied aspects of the functioning of integrated forms of entrepreneurship; development of proposals for the development of clusters and other promising integrated forms of entrepreneurship at the regional level.

## 2 Materials and Methods

The problems of regional development, innovation, and infrastructural support for the development of entrepreneurship were studied by such scientists as: [16], [14], [7], [15]. In the research carried out, [1], focused his attention on the issues of forming a mechanism for stimulating innovative and technological development at the regional level, in particular, he identified the main principles of forming a mechanism for innovative cooperation and establishing mutually beneficial economic relations between business entities. In their scientific works, [2], considered the regional socio-economic system as a category of economic research and defined the tasks of implementing the concept of the modern development of regions in Ukraine. We agree with the author that these

include: social development, guaranteeing a basic level of services and social benefits; ensuring the appropriate level of public safety; development of innovative potential; formation of an innovative and socio-cultural environment; development of necessary elements of market infrastructure; formation of regional markets and the regional structure of entrepreneurship. [3], predicts that to increase the competitiveness of the domestic economy, the model of innovative progress in Ukraine should involve the cooperation of the state and the business sector, and all actions of business entities and authorities should be coordinated with the tasks and goals of the innovative development of economic activity at the regional level. [4], adhere to a similar opinion, in the study of the regional socio-economic system they emphasized the management of the process of development of business structures. [5], [6], made a significant contribution to the study of the issue of infrastructural support for regional development, they identified the problems of infrastructure formation, as well as ways to solve them. The report made by [10], also deserves attention in a certain direction. However, the task of scientific substantiation of innovative regional development priorities is insufficiently researched.

A system of scientific techniques and methods was used in the research process. The theoretical and methodological basis of the work is a system-complex and innovation-oriented approach to the justification of innovative priorities for the development of entrepreneurship at the regional level. The application of a system-complex approach provides an opportunity to conduct entrepreneurship research in the system of holistic development of the region. The following methods and techniques were used to fulfill the research tasks: monographic, analytical, comparison, and abstract-logical. An innovation-oriented approach to the study of development problems involves the determination of the institutional interaction of its elements, and their structural construction, which is qualitatively new, in comparison with other ordered systems that form relationships in the field of functioning of enterprises integrated into the regional space of the state.

## 3 Problem Solution

The formation of a system for ensuring the innovation-oriented development of the region is a long-term process that is quite often complicated by organizational and economic factors, during which the policy of central and local authorities should be

implemented, aimed at creating conditions for the support and effective functioning of the innovative infrastructure, taking into account the peculiarities of the production system of the region.

The development of the concept of perspective development of regions brings certain integration components to the regional strategy, which are based on the integrity of socio-economic development. It is advisable to consider the region not only as a territorially formed system of relations regarding economic activity, and the environment of production and consumption of products but also as a social system that functions in a specific environment. All components of such a system are balanced, they have their structure, vectors, and rates of development. The interests of regional development have always been interconnected with the interests of all other regions and the country in general, [2].

[3], predicts that in order to increase the competitiveness of the domestic economy, the model of innovative progress in Ukraine should involve the cooperation of the state and the business sector, and all actions of business entities and authorities should be coordinated with the tasks and goals of the innovative development of economic activity at the regional level.

Important tasks in the implementation of the concept of the modern development of regions in Ukraine are: social development, guaranteeing the basic level of services and social benefits provided to the population; ensuring the appropriate level of public safety; development of the innovative potential of the region; formation of an innovative and socio-cultural environment through the involvement of business entities; development of necessary elements of market infrastructure; the formation of regional markets and the regional structures of entrepreneurship, [4].

The existence of a regional socio-economic system manifests itself in the process of social development, and its significance, on the one hand, is explained by the nature of its constituent subsystems and structural elements, and on the other, by the internal construction of such subsystems and components, which is the material basis of the construction of such a system and determines the type of connections within the system.

The study of scientific sources on the issues of implementing organizational and economic changes made it possible to determine the main reasons for the need for the development of integrated forms of entrepreneurship:

- the presence of various inter-firm relationships;

- increased competition at the regional level;
- the uncertainty of the conditions of the external environment of the functioning of business entities;
- increasing the role of information in business development;
- increasing the influence of the time factor;
- increase the number of offered products and services while reducing the duration of their life cycles;
- increasing the rate of implementation of innovations and technological changes;
- the need for a faster response to changes in the market situation and adaptability to new forms of relationships;
- the possibility of concentrating the activities of all participants on unique projects and the best competencies;
- significant reduction of costs, development of their rational structure;
- formation of optimal partnership relations based on involvement in joint activities, to ensure consolidation of the scientific and technical potential of scientific and educational institutions, innovative structures, and direct participants in regional development.

The formation of the infrastructure for the innovative development of the region is quite complex and requires taking into account many factors since the innovative infrastructure is considered an integrative and system-forming component of the innovation system in general and ensures the characteristics of integrity and enables the faster achievement of the set goals of socio-economic development.

If we consider the innovative infrastructure from a regional perspective, it is worth highlighting several features that should be inherent to it: the innovative infrastructure of a separate region of the country must work as a complete system; the regional innovation infrastructure should be a full-fledged element of both the regional innovation system and the national innovation system, perform the functions of dual subordination; innovative infrastructure at the regional level should be ensured by interregional agreement, [5].

Innovative infrastructure plays an important role in the economy, where it acts as the main toolkit and element of ensuring the implementation of the mechanism of innovative development of the economy, as it contributes to the growth of the state's economy. Innovative infrastructure is a set of production and technical systems, organizational and management structures, enterprises, and organizations that are interconnected, mutually complementary, and capable of effective

implementation of innovations and innovative processes.

The experience of the developed countries of the world confirms that in the conditions of global competition on the world market, the one who has a developed infrastructure for the creation and implementation of innovations, who has the most effective mechanism of innovative activity will inevitably win, [6]. The development of innovative approaches to the implementation of the management function leads to the emergence of «open innovations», to assess the state of local problems in management, as well as in the process of developing and implementing innovative solutions, which requires the use of public knowledge and social communication. Scientific institutions, business organizations, as well as private individuals have the possibility of free access to the use, distribution, printing, and publication of open data to achieve social, environmental, and economic results from their activities, [7].

It should be noted that the further expansion of the innovation infrastructure is objectively conditioned by the level of scientific, technological, and intellectual potential, the number of intellectual property objects and other developments that could be commercialized, and the needs of the subjects of innovative activity. Based on the above, it is necessary to ensure the creation and active development of many elements of the innovation infrastructure for the full-fledged operation of the innovation system.

But, of course, preference should be given to the creation of regional venture innovation funds, which will carry out risk financing of small innovative enterprises at the initial stage of their activity; technology transfer centers, which should promote more effective use of innovative developments, [8].

The process of implementing the results of scientific research and the wide implementation of innovative developments can be carried out systematically, continuously, and effectively only in the case of an effectively functioning innovative infrastructure.

To provide a wide range of information and technical marketing consulting and various forms of financial support to the business sector, which offers potentially attractive scientific and technical ideas, it is advisable to create business incubators, [9]. In this way, the necessary conditions are created for the promotion of promising innovations to a higher level, the growth of competitiveness, and knowledge-intensive production, which ensures the creation of a model of the innovative type of

development of the country. The proposed model of innovative development will contribute to the concentration of innovations at the regional level. However, to spread the experience of «incubation of innovations» significant support from the authorities in each region is required.

For the implementation of innovative development projects, it is necessary to attract significant investment resources. The mechanism of investment support for the process of innovative development at the level of entrepreneurial structures is implemented according to certain directions: state support for the sphere of innovative entrepreneurship, mobilization of own resources for financing innovations; ensuring favorable conditions for attracting external investors to the industry. It is expedient to implement medium-term innovative projects at the regional level on a competitive basis through regional innovation programs, innovative projects for the development of technological parks, and other integrated forms of entrepreneurship.

To increase the investment activity of regions and ensure their competitiveness in economically developed and developing countries, various territorial organizational mechanisms for stimulating the development of territories are used. Industrial parks are designed not only to stimulate investment in industrial production but also to ensure the creation of new jobs, and improvement of the sectoral structure of the real sector of the economy. The main role of industrial parks is the growth of investment activity, economic development, and growth of production in a certain territory, the formation of points of regional growth, and the solution of socio-economic problems of the development of regions. They are entrusted with the important task of ensuring structural transformations and technological modernization of Ukraine's economy. In addition, the creation of industrial parks allows for ecologically and aesthetically structuring settlements, «cleansing» cities of industrial production. The main characteristics of such parks are the availability of industrial land, engineering infrastructure, a management company, and the provision of legal conditions. Enterprises located on the territory of industrial parks are mostly connected by a technological chain and joint use of the territory, services provided by the management company to ensure a synergistic effect of cost savings, [10].

In the city of Vinnytsia, there is an established Communal City Enterprise «Vinnytsia Municipal Innovation Center», whose activities are aimed at attracting investment resources for the economic development of the city, guaranteeing proper

conditions for the effective operation of business structures, improving the investment climate and image of the city and region, as well as promoting economic growth and strengthening of the competitiveness of the region.

The main directions of the company's work are the support and arrangement of all structural elements of the Vinnytsia Industrial Park, which performs the functions of a management company, and the development of the technological innovation park of Vinnytsia, [11].

The development of industrial parks provides an opportunity to fully demonstrate investment potential and improve the economic potential of the region. First of all, the industrial park works in the direction of the concentration of industrial commodity production outside the established boundaries of residential areas and the city center. In this way, favorable conditions are created for the high-tech development of products with a high added value of manufactured goods, the unification of individual productions into cluster entities, which provides new opportunities for SMART development, and the expansion of specialization of regional production. At the state level and for local communities, such structures (industrial parks) play an important role in ensuring a high level of socio-economic development in the region.

The Vinnytsia Industrial Park was created to increase investment income in the region's economy, improve the investment image, provide the population with jobs, and expand opportunities for the formation of favorable conditions for the functioning of industrial enterprises and the development of related types of innovative entrepreneurship.

The priority tasks of industry development for industrial enterprises, according to the concept of industrial park development, are defined as: logistics support, service, furniture manufacturing, repair work, installation of installations, machines, and equipment; a revival of mechanical engineering, [10]. Participants who are investors of the industrial park have significant preferences regarding exemption from contributions to equity participation, significant benefits for imports with a list of WTO member states, benefits for paying land tax, benefits for customs clearance of goods, and exemption from its payment (depending on the type of property and type of equipment), review of rental rates, etc.

In 2020, the Vinnytsia Industrial Park won the prestigious «Golden Site» competition, held as part of a project from the Polish community to help develop regions to increase their competitiveness

and intensify the development of Polish-Ukrainian cooperation in the economic sector.

In 2021, Bosch Ukraine, a leader in the technological field, joined a significant number of strategic partners of the region, in particular, a Memorandum of Cooperation was signed between the Vinnytsia City Council and Robert BOSH LTD LLC. Based on the results of cooperation, a significant strengthening of partners is expected in terms of the formation of an attractive environment in the field of education, which will help realize the scientific potential of young people, effectively develop businesses, and create new jobs in the region. On the initiative of the Bosch Ukraine company, the Vinnytsia City Council and the established Municipal Innovation Center, work on the implementation of the innovative development project - Vinnytsia Innovation Day - has begun. The proposed project will make it possible to regularly demonstrate various innovative developments for entrepreneurs, scientists, and citizens of the city and gradually establish cooperation in various fields. According to the results of the first stage of the event, a demonstration site for testing various types of technical equipment was opened, it was possible to get acquainted with modern safety systems for the implementation of innovative projects, and the development products «Bosch Mini» for children were also presented, [12].

Innovative development is defined as one of the priority directions of the region's development and is included in the Development Strategy of the Territorial Community of Vinnytsia until 2030, [13]. It should be noted that the management of the region systematically works in the direction of activation of innovative development. Thus, the digitalization of public space and the smart specialization of the region belong to the strategic development priorities

There is fruitful cooperation between the Vinnytsia City Council and the Vinnytsia National Technical University, the Limited Liability Company «Innovation Holding «Sikorski Challenge», which is confirmed by the signing of the relevant Memorandum on cooperation with the participation of the utility company «Vinnytsia Municipal Innovation Center». Such cooperation will provide an opportunity for creative and gifted youth to express their ideas, and receive expert advice, regarding further research and implementation of innovative development projects, which are necessary for the innovative development of the state and the region. The memorandum on cooperation is aimed at working out new tools for the interaction of scientists, self-government bodies,

enterprises, and public organizations of the region. The opportunity to participate in startups will contribute to the strengthening of economic ties, and the competitiveness of the region and the state. Thanks to the establishment of cooperation within the framework of the Memorandum, highly qualified specialists will be attracted, who will implement innovative competencies and develop innovative products that are needed by the population of the region and society in general. The formation of an innovation cluster will provide favorable conditions for attracting investments and strengthening the university's scientific potential, which will be involved in the operation of the cluster to create new jobs.

The enterprise «Vinnytsia Municipal Innovation Center» together with the Vinnytsia City Council is working on creating opportunities for Vinnytsia startups to participate in various competitions aimed at developing the scientific and technological creativity of innovative partners. The memorandum agreed to hold start-up projects and competitions in Vinnytsia with the participation of investors, representatives of other states, business schools, foundations, and leading experts in the field of innovative development.

For the effective functioning of small innovative forms of entrepreneurial activity and the growth of the level of their business activity, domestic entrepreneurs need the concentration of resources, the formation of investment, venture, and innovation support funds, attracting innovative banking institutions for the production of competitive products, high technologies, creating a knowledge-intensive sector of the economy capable of generating ideas and promoting the finished product to the market, including the foreign one, achieving the possibility of acquiring the status of a «global competitor», as well as forming the base of export products and increase in this way foreign currency receipts to the state as a result of the activation of the processes of integration of the economy into international trade operations, [14].

Innovative entrepreneurship should be considered as a process of forming a new type of economic system, based on the use of an innovation-oriented approach to the search and discovery of new entrepreneurial opportunities, the use of innovations, and their commercialization. This type of entrepreneurship is characterized by a special style of economic activity, which is characterized by the ability to assume all the risks of activity during the implementation of projects and to have full financial responsibility for it.

The formation of the infrastructure to ensure the implementation of the priorities of the innovative development of entrepreneurship should be based on the following principles:

- support at the state level of the system of regional infrastructure for the innovative development of projects and programs, their investment support, which ensures the implementation by the state of aspects of scientific, technical, and socio-economic development policy;

- development and implementation of adaptive investment mechanisms for effective development of entrepreneurship and expansion of regional innovation infrastructure to optimize the use of budget resources;

- increasing the use of scientific and intellectual and production and resource potentials to increase the competitiveness of the region;

- concentration based on integrated forms of entrepreneurship of objects of innovative scientific and technological infrastructure, which will contribute to the production of goods and the provision of services that are competitive in the domestic and foreign sales markets.

The influence of legal regulation on relations in the sphere of innovative activity should not be underestimated, since it is the law that is always assigned a protective role in the event of a conflict of economic interests. In the opinion of the author, even the most flawless legal norms are not able to work to their full extent in the absence of the corresponding economic needs of consumers.

Considering the presented material, we consider it necessary to develop integrated associations at the regional level. As world practice shows [15], promising integrated systems are clusters, which are interpreted as territorially separated structures based on a single innovation and investment policy developed for the needs of the cluster. Clusters are an association of enterprises that are connected by a narrow regional exchange and through the exchange of implicit or explicit knowledge are able to create the competencies of enterprises and thereby contribute to the strengthening of infrastructure and the growth of their competitiveness.

The central elements of the cluster are the network and value chain. This aspect of the research is quite aptly emphasized: «Networks can have different forms and exist in different contexts. In the simplest case, they reflect the interaction between many participants (agents). Differentiating features of the network are the choice of participants, goals, form of organization, degree of formalization», [16], [17]. Enterprise networks are distinguished, in particular, production networks, research networks,

and development networks. They are a special form of organization that improves the interaction between legally independent units such as, for example, production enterprises, or between them and research institutions.

The main advantages of the development of cluster-type integrated structures include:

1. Clusters improve access to specialized production inputs such as labor, investment, components, services, etc.

2. They improve the exchange of information on markets, as well as technical and other production information.

3. Clusters also provide an incentive for the state to create educational institutions, fairs, specialized construction, and technical infrastructure.

The proposed model of joint activity of enterprises will contribute to obtaining a synergistic effect from the cooperation of enterprises due to the synergy of the effects of the flow of knowledge, the growth of cash flow, the joint use of infrastructure facilities, the reduction of transaction costs, as well as the synergy of specialization, cooperation, the concentration of production and integration processes, [16].

Ensuring the implementation of innovative priorities is one of the main tasks of modern economic development, and the use of cluster organization as a factor in increasing the competitiveness of the economy meets the requirements not only of regional development but also of the state's economic system. It is scientific achievements, innovative products, and modern technologies that determine the level of competitiveness in the market. The formation of infrastructure takes place under the influence of the institutional environment, where economic, trade, structural policy, and administrative factors largely determine the course of entry processes and activities of economic entities.

## 4 Conclusion

Solving the tasks facing the regions regarding the transition to a qualitatively new level of development is possible through infrastructure support for innovation-oriented production, which will allow solving the problem of saturating the domestic market with high-quality domestic products, and expanding sales markets at the expense of obtaining competitive advantages.

Infrastructural development at the regional level is a necessary condition for the activation of innovative activity, which determines the prerequisites for the economic growth of the region.

Before the start of the commissioning of the infrastructure complex, the necessary base must be prepared in the form of formed key subsystems of the innovation system: personnel system, regulatory and legal system, basic infrastructure elements, motivation system, financial system, and information system.

The work analyzes the organizational aspects of the activity of the communal city enterprise «Vinnytsia Municipal Center of Innovations», whose activities are aimed at attracting investment resources for the economic development of the city, guaranteeing proper conditions for the effective operation of business structures, improving the investment climate and image of the city and region, as well as promoting economic growth and strengthening the competitiveness of the region.

As an integrated form of entrepreneurship, the Vinnytsia Industrial Park was studied, the activity of which contributes to investment income in the region's economy, improving the investment image of the region, providing the population with jobs, expanding opportunities for the formation of favorable conditions for the functioning of industrial enterprises and the development of related types of innovative entrepreneurship.

The task of implementing the concept of the modern development of regions has been determined, thanks to the establishment of cooperation between regional authorities and the business sector, through the activation of innovative activities at the regional level, the involvement of highly qualified specialists will take place, who will exercise innovative competences and develop innovative products that are needed by the population of the region and society in general. The formation of an innovation cluster will provide favorable conditions for attracting investments and strengthening the university's scientific potential, which will be involved in the operation of the cluster to create new jobs.

Prospects for further research consist in substantiating the aspect of the mechanism of interaction and interconnection of subsystems of innovative development, as well as improving the regulatory system that forms the basis of their interaction.

### References:

- [1] Sytnyk J. S. Formation of the mechanism for stimulating innovative technological development at the regional level. *Bulletin of the Lviv Polytechnic National University. Series «Problems of Economics and*

- Management*», 2 (10), 2022, pp. 163-174, <http://doi.org/10.23939/semi2022.02.163>
- [2] Kononova I.V. Regional socio-economic system as a category of economic research. *Eastern Europe: Economy, Business and Management*, 1 (24), 2020, pp. 268-274.
- [3] Mushenyk I. Development strategy and formation of the innovation-investment system of the region. <https://doi.org/10.32782/2524-0072/2021-25-29>
- [4] Dubnytskyi V.I., Fokina-Mezentseva K.V. Regional socio-economic system: theoretical aspects of public administration and the development process. *Economic innovations*, 51, 2012. pp. 116–125.
- [5] Butyrska I. V. Infrastructural support of regional development: problems and ways to solve them: monograph. Chernivtsi: Knigi-XXI, 2006. 238 p.
- [6] Nezhiborets V. Innovative infrastructure: problems, prospects, solutions. <http://www.ndiiv.org.ua/07.05.22>.
- [7] Melnyk V.I., Mazur V.G., Mazur Yu.S. Digitization as an innovative approach to the implementation of functions of management of socio-economic systems. *Scientific Bulletin of Uzhgorod University, Series «Economics»*, 1(59), 2022, pp. 35-40.
- [8] Yefimenko T. Institutional regulation of economic development. *Ukraine economy*, 1, 2011, pp. 16-26.
- [9] Nikiforov A. E. Organizational and economic mechanism of state regulation of innovative activity in Ukraine. *Prometheus: regional science collection of papers on economics*. Donetsk, 2 (11), 2013. pp. 196-207.
- [10] Benovska L.Ya. Peculiarities of social infrastructure management of territorial communities. *Proceedings of the 1st International Scientific and Practical Conference «Trends and Prospects of Management Development in Global Challenges»* (Kherson, May 21, 2021). 2021. pp. 31-34.
- [11] The official website of the Vinnytsia Municipal Innovation Center. <https://vmci.vn.ua/18.06.22>.
- [12] Concept of Vinnytsia Industrial Park. <http://www.vmr.gov.ua/15.07.22>.
- [13] Development strategy of Vinnytsia urban territorial community until 2030. URL: <http://www.vmr.gov.ua/15.07.22>.
- [14] Kuzmin O. E., Shotik T. M. Essence and types of innovative infrastructure. *Bulletin of the Lviv Polytechnic National University. Problems of economics and management*. 2008. Vol. 628. pp. 180-185.
- [15] Polishchuk N. V. State support for the activation of innovative activities of business entities. *Bulletin of the Chernivtsi Trade and Economic Institute. Economic sciences*. 2009. Issue 2. pp. 310-317. <http://nbuv.gov.ua/18.06.22>.
- [16] Danylovich-Kropyvnytska M.L. The concept of integrated cluster management and its main tools. <http://vlp.com.ua/node/12173/18.06.22>.
- [17] Shiposha V. The role of clusters in modern global economy. *Three Seas Economic Journal*, 2, 2020. pp. 67-70.

#### **Contribution of Individual Authors to the Creation of a Scientific Article (Ghostwriting Policy)**

- Borys Pohrishchuk's research was organized in part of substantiating the process of formation and infrastructural interconnections within integrated associations;
- Sergiy Nadvynychnyy prepared material on the practical functioning of integrated associations in the form of industrial parks;
- Natalia Dobizha developed proposals for the development of clusters;
- Volodymyr Shcherbych detailed and considered the issue of infrastructural development of entrepreneurship;
- Oleg Pohrishchuk defined the prospects for the implementation of innovative priorities of entrepreneurship at the regional level have been determined.

#### **Sources of Funding for Research Presented in a Scientific Article or Scientific Article Itself**

No funding was received for conducting this study.

#### **Conflict of Interest**

The authors have no conflicts of interest to declare that are relevant to the content of this article.

#### **Creative Commons Attribution License 4.0 (Attribution 4.0 International, CC BY 4.0)**

This article is published under the terms of the Creative Commons Attribution License 4.0

[https://creativecommons.org/licenses/by/4.0/deed.en\\_US](https://creativecommons.org/licenses/by/4.0/deed.en_US)