

THE ORGANIZATIONAL AND ECONOMIC MECHANISM OF THE DETERMINANT'S ACTIVATION OF THE REGIONAL DEVELOPMENT INTENSIFICATION IN THE CONDITIONS OF DIGITALIZATION

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Received in:

2021-03-10

Approved in:

2021-06-10

DOI: <https://doi.org/10.24115/S2446-6220202173B1530p.168-178>

INTRODUCTION

Modern challenges of economic systems at different levels require different levels of government to intensify their development in accordance with the paradigm of sustainable development, which determines the focus on social, economic and environmental components of sustainable development in the context of digitalization of economic development. The need for a trend to intensify development in the context of digitalization also applies to economic systems at the regional level. The practice of European countries proves that in the conditions of decentralization of power the issues of the determinants activation of the regional development considering specific features and potential opportunities of regions in the conditions of digitalization become of special importance. Creating conditions for the intensification of the development of regional economic systems requires the development of organizational and economic mechanisms capable of influencing the intensification of development through the activation of the determinants of regional development. Organizational and economic mechanism of regional development intensification involves the formation of a general vector of development intensification, which is

embodied in a number of legislative and regulatory documents, motivational incentives and other tools aimed at a common strategy to achieve goals.

An important factor in the organizational and economic mechanism is a set of determining parameters for intensifying the development of regional economic systems, namely the determinants of the development of regional architecture. The influence of determinants of regional development intensification is determined by the most significant influence on actual and perspective levels of change of system parameters of the regional development intensification in the conditions of digitalization. In the context of digitalization of the economy, information, knowledge, innovation, creative decision-making, etc. become one of the most relevant determinants of development intensification. This is due to the formation of the post-industrial concept of economic development of economies, the theoretical foundations of which are the concepts of "information", "knowledge", "innovation", "intellectual and creative potential" because their interaction can provide synergies and intensify regional economic systems.

The outlined tendencies and other preconditions of development of regional economic systems form objective necessity of carrying out economic researches directed on maintenance of the organizational and economic mechanism of the determinants activation of the regional development intensification in the conditions of digitalization.

Despite the activity of research on the development of regional economic systems, the effectiveness of organizational and economic mechanism of development and the formation of the digital economy, it should be noted the lack of publications on economic incentives, basic concepts, mechanisms of economic development of regions in the context of organizational and economic mechanism.

The purpose of the study is to substantiate the organizational and economic mechanism of the determinants activation of the regional economic systems development intensification in the context of digitalization.

LITERATURE REVIEW

Well-known Ukrainian and foreign scientists have devoted their research to the formation and support of an effective organizational and economic mechanism of regional development, which will contribute to the innovative development of regions in the context of digitalization, namely: Adam (2018); Afanasieva (2020); Afonasova (2019); Alraja (2020); Arefieva (2021); Bessonova (2019); Billestrup (2014); Budzinski (2019); Burkov (2020); Chudnovskiy (2021); Dai (2020); Dannikov (2018); De Silva (2019); Dubyna (2021); Eichstädt (2020); Garafonova, (2021); Gopane (2020); Heath (2019); Héraud (2021); Khanin (2021); Ključnikov, Civelek (2020); Kornieieva (2018); Kovalenko (2021); Kychko (2021); Legenchuk (2020); Jie (2018); Medeiros (2020); Myovella (2020); Nikityuk (2020); Pakhota (2021); Popelo (2017); Samiilenko (2021); Samoilovych (2021); Sudolska (2020); Szopik-Depczynska (2020); Tulchynskiy (2021); Vovk (2021); Xu (2020); Zajkowska (2017) and others.

The study (BESSONOVA et al., 2019) conducted an analysis, which identified areas that need more in-depth research, as well as certain features of the formation and adaptation to the rapidly changing needs of scientific and technological progress in order to achieve its maximum positive influence on the mechanism of functioning of the socio-economic system. Scientists (AFANASIEVA et al., 2020) have analyzed in detail the components and functional elements of the mechanism of strategic management of innovative development. The authors prove that active models will contribute to the formation of a mechanism of strategic innovative development of the company.

The article of scientists (MODEIROS et al., 2020) is based on the analysis of the factors of entrepreneurship and innovation that affect economic development, according to the model of a fourfold spiral. Researchers believe that their research will contribute to the emergence of new data on the factors of innovation and entrepreneurship that are crucial for economic development. The scientist (HERAUD, 2021) investigated that territories should find appropriate management structures and procedures for "creative" development strategies. The authors of the article (LEGENCHUK et al., 2020) proved that their proposed financial mechanism will promote innovative development and diversify funding sources, effectively manage the structure of the balance sheet, as well as significantly increase the liquidity of its assets.

The authors' study (KLJUČNIKOV et al., 2020) studies the potential of innovative regional development of a structurally disadvantaged industrial region focused on the metallurgical and mining industries with the help of local currency. According to the results of the research, the authors have developed innovative solutions and proposals for politicians in the case of regional development of industrially disadvantaged structural regions. The article by Chinese scientists (DAI et al., 2020) conducted a logical analysis of value innovations, which in their opinion establishes an internal relationship between relevant factors, drivers and the interaction of big data on health care, and finally presents theoretical basics of analysis for innovative application of big data in health care.

In the article of scientists (BURKOV et al., 2020) the processes of stimulating energy saving in projects within the multi-project structure of the model are investigated and proposed the optimal mechanism of innovative development, which includes planning procedure, penalties for non-fulfillment of plans and function of stimulating project results. The scientist (NIKITYUK, 2020) believes that the concession mechanism of cooperation between the state and business should become a key tool that can attract investment in innovative

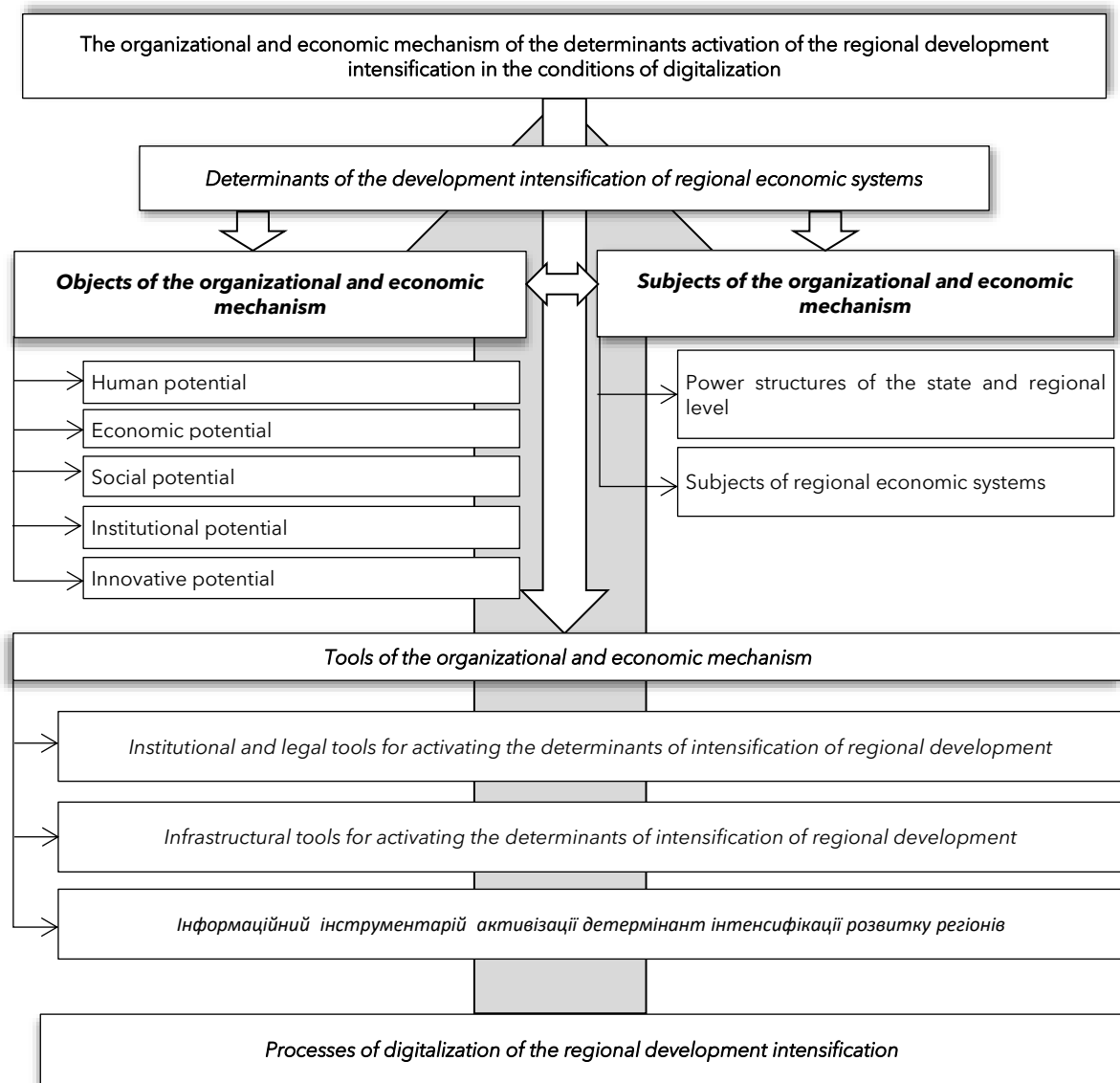
development in the field of housing and communal services. A method for estimating the economic effect of concession agreements is proposed.

RESULTS AND DISCUSSION

Research of the regional development determinants in the conditions of digitalization is an important element of researches of the regional economy development, however the most actual from the point of view of practical application is process of concretization and search of means for change of a current condition towards activation of corresponding determinants of the regional economic systems development. This requires an in-depth analysis and specification of the form of institutional support for public policy to stimulate the determinants activation in the context of digitalization.

The organizational and economic mechanism of the determinants activation of the regional development intensification is an ordered according to certain generally established rules set of objects, subjects, established goals, objectives, priorities, principles and specific management tools in terms of digitalization of economic development (Fig. 1). Also, the organizational and economic mechanism should take into account the dynamics of current changes in state and regulatory practices, which determine the principles and the peculiarities of regional development, as well as the peculiarities of the regions.

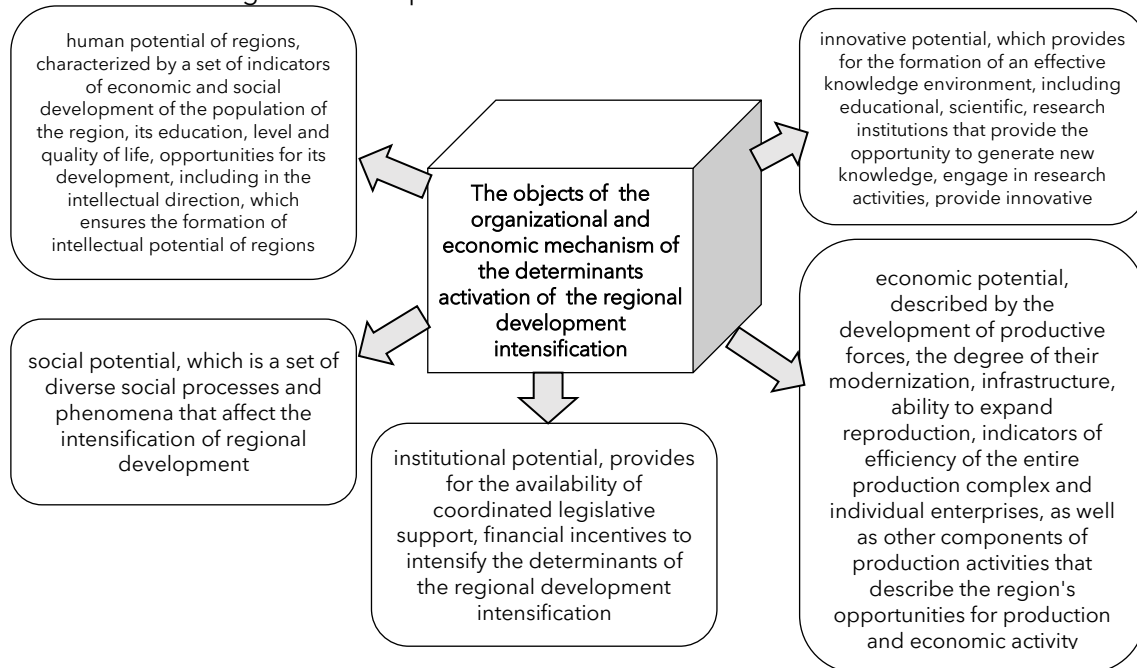
Fig. 1. The organizational and economic mechanism of the determinant's activation of the regional development intensification in the conditions of digitalization



Source: Search data.

The objects of the organizational and economic mechanism of the determinants activation of the regional development intensification are presented in Fig. 2.

Fig. 2. The objects of the organizational and economic mechanism of the determinant's activation of the regional development intensification



Source: Search data.

The subjective composition of the organizational and economic mechanism of intensification of determinants of intensification of regional economic systems includes a set of government structures of state and regional level that control the implementation of current legislation and rules, using strategic management tools, provide targeted regional development in the direction of digital transformation. It should be noted that the distinguishing feature of this mechanism is the expansion of the subject composition of the business environment, which is carried out by establishing an effective system of communications in the digital environment through which market participants have the opportunity to communicate their interests and needs to innovation.

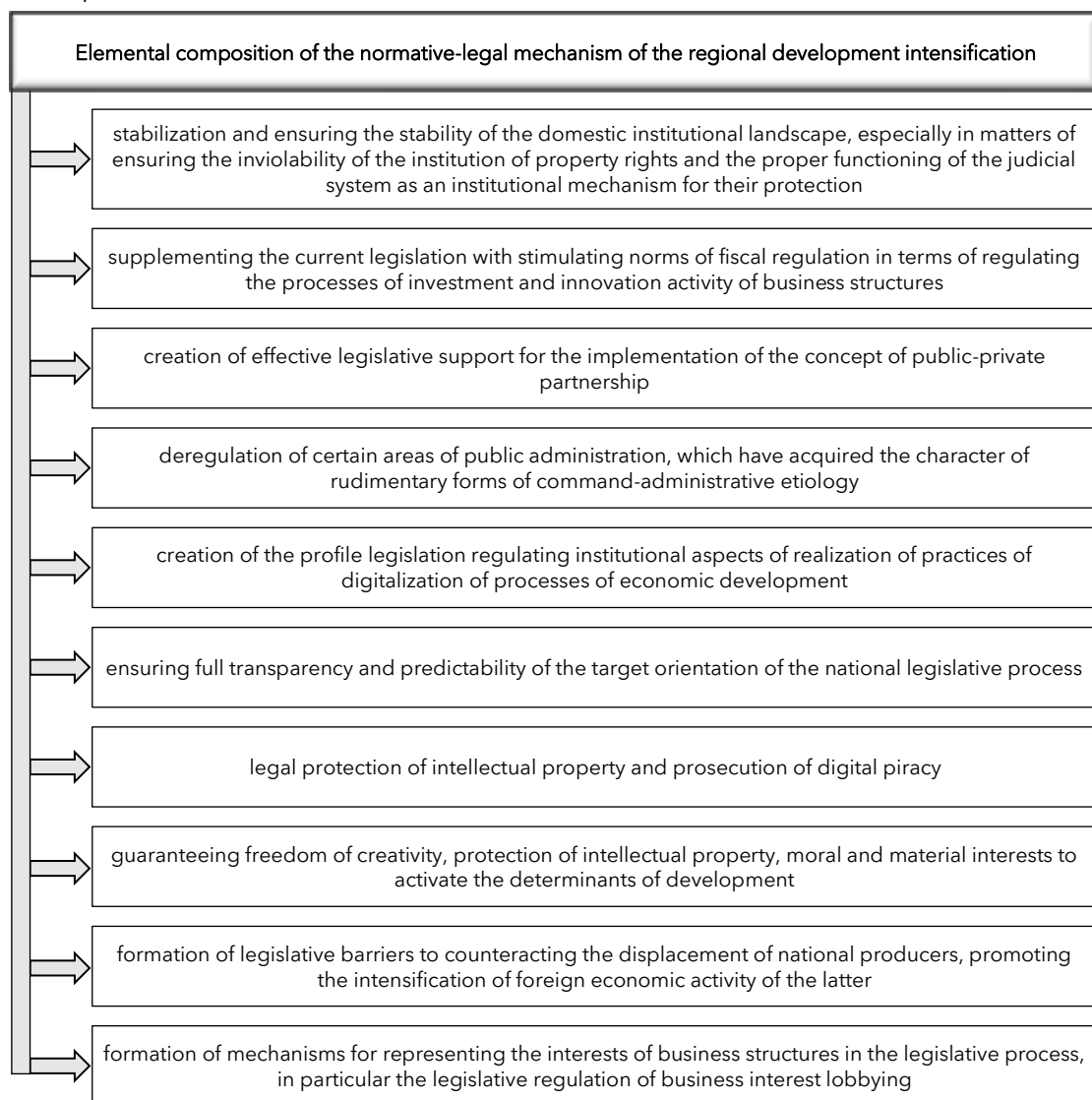
As for the tools of organizational and economic mechanism of the determinants activation of the regional development intensification, it is a set of levers of state regional policy designed to modernize existing and form more progressive organizational mechanisms aimed at intensifying the development of regional economic systems. Such tools include:

- formation of complex multilevel strategies of the determinants activation of the regional development intensification in the conditions of digitalization and their consistent coordination with other strategic documents at regional and national levels;
- formalization of dense, mutually beneficial relations between the subjects of regional economic systems in the conditions of digitalization (educational institutions, research institutions, business entities, economic entities of different spheres of activity and forms of ownership, state and market);
- improvement of approaches to the formation of the state regional budget policy in the issue of financing stimulating measures to intensify the determinants of development intensification, which becomes especially relevant in the context of decentralization, including financial;

- revitalization of the idea of creating eco-industrial parks and technopolises, creation of appropriate financial and economic preconditions for their emergence and development, which intensifies the innovative development of the regions;
- provision of state subsidies and targeted allocations;
- implementation of a policy of stimulating the development of cooperative relations in the domestic business sector in order to form integrated chains of value added within national borders in the context of digitalization.

The organizational and economic mechanism of the determinants activation of the regional development intensification should direct institutional and legal instrument of activation of determinants on formation of effective normative-legal mechanisms of intensification of corresponding processes for the purpose of creation of a favorable legal field of development of all participants of economic relations (Fig. 3).

Fig. 3. Elemental composition of the normative-legal mechanism of the regional development intensification



Source: Search data.

The separation of regulatory and legal mechanisms makes it possible to justify the need for infrastructural tools of the organizational and economic mechanism to intensify the determinants of intensification of regional economic systems. Focusing efforts on infrastructure development plays an important role in intensifying development as it contributes to the formation of effective structures of the economic environment and social

development, which in turn provides conditions for intensifying the determinants of regional development. In the direction of branching of infrastructure tools it is necessary to direct efforts on:

- formation of an extensive production infrastructure of the regions, development of profile programs for the implementation of large infrastructure projects at both regional and national levels;
- prioritization of structural policy in the direction of eliminating asymmetries of territorial development, which are destructive in nature and reduce the effectiveness of activating the determinants of development intensification;
- support for the integrative role of cities as centers of economic and social development;
- assessment and constant monitoring of the state, formation and implementation of targeted programs for human development and social sphere, which would cover a range of educational, health and cultural aspects of population development, taking into account the relevant needs and regional characteristics;
- providing the educational component of intellectual development of the population both from the standpoint of quality content of educational programs of different levels, and the technical capacity of educational institutions to provide relevant knowledge base;
- ensuring freedom of competitive interaction and stimulating the development of market infrastructure entities;
- formation of a real financial market and development of an appropriate set of financial infrastructure, starting with monetary policy stimulus measures aimed at ensuring the availability of credit resources, ending with the creation of objective opportunities for the use of advanced financial instruments by business entities.

In the conditions of digitalization, the organizational and economic mechanism of the determinants activation of the regional development intensification demands information maintenance. Such support should cover a set of measures aimed at expanding innovation culture in the regions in the context of digitalization and include on the one hand, a set of levers of influence on the information environment (socio-cultural and other social trends), and on the other a number of management aspects in communication and their organizational and technical support.

In the direction of providing information tools of the organizational and economic mechanism of the determinants activation of the regional development intensification we suggest to carry the following list of means:

- formation of strategic measures in the field of informatization and digitalization of the national economic system in accordance with the management practices of progressive countries;
- creation of effective communication forms of interaction between the state and the public sector in order to establish political dialogue and ensure optimal satisfaction of public interests;
- improvement of existing forms of interregional and interdepartmental communications in order to form a coherent and consistent public policy at various functional and administrative levels;
- search for ways to maximize the involvement of information technology in public administration practice in order to reduce irrational economic losses of resources by performing unproductive in terms of the results obtained;
- considering the cultural and mental features of measures of intellectual and innovative nature, which have an eclectic nature;

- assistance in systematic monitoring of the activities of spinning organizations;
- introduction of monitoring of business demand for innovative solutions to existing problems;
- active state policy in the field of digital literacy among all age groups;
- development of remote forms of interaction both in their general economic aspects of functional orientation, and in the context of expanding opportunities for the organization of the educational process;
- development of comprehensive information measures of the state policy to counteract the processes of intellectual and labor migration of the population as a permanent negative factor in the outflow of key economic resources to ensure intellectual and innovative development.

CONCLUSION

The developed set of instrumental support for activating the determinants of the regional development intensification comprehensively covers all functional areas of state and regional governance, providing a list of effective recommendations for practical implementation of the vector of regional economic systems in digitalization.

As a result of the research, the conceptual identification of key elements of instrumental support of the determinants activation of the modern economic systems development intensification in the conditions of digitalization was carried out. The importance of considering of the determinants activation of the regional development intensification due to the introduction of the organizational and economic mechanism is substantiated.

The scientific novelty of this study is the proposed distribution of tools of the organizational and economic mechanism of the determinants activation of development intensification by the following types: organizational and economic, institutional and legal, infrastructural and information.

On the basis of the presented detailed characteristic of tool support, the list of key basic provisions of the organizational and economic mechanism of the determinants activation of the regional development intensification in the conditions of digitalization is formed. Further research requires assessment of the impact of digitalization on the effectiveness of the organizational and economic mechanism of the regional development.

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The organizational and economic mechanism of the determinant's activation of the regional development intensification in the conditions of digitalization

O mecanismo organizacional e econômico da ativação dos determinantes da intensificação do desenvolvimento regional nas condições de digitalização

El mecanismo organizativo y económico de la activación de los determinantes de la intensificación del desarrollo regional en las condiciones de digitalización

Resumo

O objetivo do estudo é fundamentar o mecanismo organizacional e econômico da ativação dos determinantes da intensificação do desenvolvimento dos sistemas econômicos regionais no contexto da digitalização. O estudo utiliza métodos gerais e especiais de pesquisa científica, incluindo: conhecimento científico, análise, síntese, dialética, monográfica, generalizações, funcional, processo, sistema e outros métodos. É determinado que o mecanismo organizacional e econômico da ativação dos determinantes da intensificação do desenvolvimento dos sistemas econômicos regionais é um conjunto ordenado de objetos, assuntos, metas estabelecidas, objetivos, prioridades, princípios e ferramentas de gestão específicas em termos de digitalização do desenvolvimento econômico. O resultado da pesquisa identificou conceitualmente os elementos-chave de suporte instrumental da ativação dos determinantes da intensificação do desenvolvimento dos sistemas econômicos modernos nas condições de digitalização e os mecanismos normativo-legais da intensificação do desenvolvimento regional.

Palavras-chave: Sistema econômico regional. Digitalização. Ativação. Intensificação. Mecanismo organizacional e econômico.

Abstract

The purpose of the study is to substantiate the organizational and economic mechanism of the determinant's activation of the regional economic systems development intensification in the context of digitalization. The study uses general and special methods of scientific research, including scientific knowledge, analysis, synthesis, dialectical, monographic, generalizations, functional, process, system and other methods. It is determined that the organizational and economic mechanism of the determinants activation of the development intensification of regional economic systems is an ordered set of objects, subjects, set goals, objectives, priorities, principles and specific management tools in terms of digitalization of economic development. As a result of the research, the conceptual identification of key elements of instrumental support of the determinants activation of the modern economic systems development intensification in the conditions of digitalization was carried out. The normative-legal mechanisms of the regional development intensification are offered.

Keywords: Regional economic system. Digitization. Activation. Intensification. Organizational and economic mechanism.

Resumen

El propósito del estudio es fundamentar el mecanismo organizativo y económico de la activación de los determinantes de la intensificación del desarrollo de los sistemas económicos regionales en el contexto de la digitalización. El estudio utiliza métodos generales y especiales de investigación científica, que incluyen: conocimiento científico, análisis, síntesis, dialéctico, monográfico, generalizaciones, funcional, proceso, sistema y otros métodos. Se determina que el mecanismo organizativo y económico de la activación de los determinantes de la intensificación del desarrollo de los sistemas económicos regionales es un conjunto ordenado de objetos, sujetos, metas fijadas, objetivos, prioridades, principios y herramientas de gestión específicas en materia de digitalización del desarrollo económico. Como resultado de la investigación, se llevó a cabo la identificación conceptual de elementos clave de apoyo instrumental de la activación de los determinantes de la intensificación del desarrollo de los sistemas económicos modernos en las condiciones de digitalización. Se ofrecen los mecanismos normativos-legales de la intensificación del desarrollo regional.

Palabras-clave: Sistema económico regional. Digitalización. Activación. Intensificación. Mecanismo organizativo y económico.