

ЕКОНОМІКА ТА УПРАВЛІННЯ НАЦІОНАЛЬНИМ ГОСПОДАРСТВОМ

UDC 330.3:303

УДК 330.3:303

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**METHODOLOGICAL BASES OF RESEARCH
OF THE SYSTEM OF INVESTMENT SECURITY
OF THE NATION****МЕТОДОЛОГІЧНІ ЗАСАДИ ДОСЛІДЖЕННЯ
СИСТЕМИ ІНВЕСТИЦІЙНОЇ БЕЗПЕКИ
ДЕРЖАВИ**

Urgency of the research. One of the most important methodological problems of the research of investment security is a dialectic combination of the theoretical and empirical levels of scientific knowledge, their integration to obtain general knowledge about the subject.

Target setting. The investment security is a complex category thus the search for various methodological approaches will allow us to look at the problem of the research comprehensively to disclose all the content components of this phenomenon.

Actual scientific researches and issues analysis. The scientific works of such scholars as G. Kharlamova, V. Kyrylenko, R. Simasius, G. Sytnyk, and others are devoted to the research of theoretical issues and methodology research of national and investment security, essence of its formation and ensuring.

Uninvestigated parts of general matters defining. It should be noted that the issue of methodological principles of the formation and ensuring of the investment security system remains logically incomplete.

The research objective. The article aims to formulate a holistic conceptual approach to the definition of investment security as a system and to determine methodological principles of its formation and ensuring.

The statement of basic materials. Investment security is comprehensively studied from the various methodological approaches as an open, complex, functional and dynamic system. Protection of economic interests as a system creating factor, combined with the control of internal and external threats, necessitates the existence of the ensuring system of investment security as an element of self-regulation. The article also reveals the main features of the investment security system, namely stability, sustainability, development, and integrity.

Conclusions. Analysis of various methodological approaches and their synergistic combination by exploring the formation and ensuring of the investment security system makes it possible to better identify the features and functions of this system.

Keywords: economic security; investment security of the nation; synergetics, systemic approach; structural and functional approach.

DOI: 10.25140/2410-9576-2018-1-1(13)-8-14

Urgency of the research. The dialectical combination of the theoretical and empirical kinds of scientific knowledge as well as their integration in order to obtain alternative general knowledge about the subject is one of the most important methodological research problems within the categories 'national security - economic security - investment security'. To determine the main trends in the development

Актуальність теми дослідження. Однією з найважливіших методологічних проблем дослідження інвестиційної безпеки є діалектичне поєднання теоретичного й емпіричного рівнів наукового пізнання, їх інтеграція з метою отримання узагальненого знання про предмет.

Постановка проблеми. Інвестиційна безпека є складною категорією, а тому використання різних методологічних підходів дозволить поглянути на проблему дослідження комплексно, розкрити усі змістовні складові даного явища.

Аналіз останніх досліджень і публікацій. Наукові праці провідних зарубіжних і вітчизняних дослідників: Кириленка В., Сімасіуса Р., Ситника Г., Харламової Г. та інших присвячені дослідженню теоретичним питанням та методології дослідження сутності національної та інвестиційної безпеки, її становленню та забезпеченню.

Виділення недосліджених частин загальної проблеми. Разом з тим, питання методологічних засад формування та забезпечення інвестиційної безпеки залишаються логічно незавершеними.

Постановка завдання. Метою статті є формування цілісного концептуального підходу до визначення інвестиційної безпеки як системи та визначення методологічних засад її формування та забезпечення.

Викладення основного матеріалу. Інвестиційна безпека розглядається комплексно з позиції методології різних підходів як відкрита, складна, функціональна, динамічна система. Захист економічних інтересів як системотворчий чинник у поєднанні з боротьбою з небезпеками внутрішнього та зовнішнього характеру зумовлює необхідність існування системи забезпечення інвестиційної безпеки як елемента саморегуляції. В статті розкриті основні властивості системи інвестиційної безпеки: стабільність, стійкість, розвиток та цілісність.

Висновки. Аналіз підходів та синергетичне їх поєднання при дослідженні формування та забезпечення системи інвестиційної безпеки дозволяє краще визначити особливості та функції даної системи.

Ключові слова: економічна безпека; інвестиційна безпека держави; синергетика; системний підхід; структурно-функціональний підхід.

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of investment security, it is necessary to establish a dialectical relationship between factors that determine security at different hierarchical levels, which reveal the degree of their sustainability and variability under the influence of dynamic changes in the institutional environment.

Target setting. Using only one methodological approach in the study of investment security as a complex multilevel functional system cannot ensure the completeness of the analysis. The main structural elements of the investment security system are the person (nanolevel), the enterprise (microlevel), the region (mesolevel) and the nation (macrolevel), their interests and threats in the investment sphere. Therefore, in order to disclose all the content components and patterns of the formation and ensuring of the system of investment security, it is necessary to use various methodological approaches of complementary character and logically combine them.

Actual scientific researches and issues analysis. Theoretical issues and research methodology of the investment security content, the formation and functioning of the system of its ensuring are the focus of attention of many scholars in Ukraine and abroad. Thus, O. Baranovskyi (2004) [1] and S. Moshenskyi S. (2008) [2] are those who have studied the concept of «investment security» and the methodological principles of the investment security system formation, V. Kyrylenko (2005) [3] and A. Sukhorukov (2009) [4] have elaborated the methodology for assessing the state of economic and investment security in particular, G. Kharlamova (2017) applying an integrated approach has studied investment security and investment climate [5], O. Dzoban (2007) [6] and G. Sytnyk (2012) [7] have thoroughly explored the conceptual foundations and methodological basis of national security in general. Significant contributions to the research on investment security were made by Ukrainian and foreign scientists such as V. Bazylevych, A. Fedorenko, K. Ksiezopolski (2011) [8], R. Simasius (2005) [9], V. Osetskyi, M. Yermoshenko and others.

Uninvestigated parts of general matters defining. It should be noted that the issue of the methodological principles of formation and ensuring of the investment security system remains logically incomplete.

The research objective. The article aims to formulate a holistic conceptual approach to the definition of investment security as a system and to determine methodological principles of its formation and ensuring.

The statement of basic materials. The main objective of investment security is to provide the conditions necessary for a productive investment activity, which will ensure an effective structural reforming of the national economy in context of world trends. This circumstance involves disclosing the existing relations between security subjects and security objects, their interests as well as trends and patterns of their development. In order to maintain the desired level of investment security, it is necessary to form an effective system of its ensuring.

1. Conceptual principles of the investment security system.

The problem of ensuring investment security as a component of economic and national security is of a systemic character and cannot be limited to the creation of a system of separate bodies and a set of normative legal acts. Therefore, in our point of view, the system of investment security and the system of its ensuring can be investigated within structural and functional, synergetic, systemic and institutional approaches.

According to the approach of structural and functional analysis the system of investment security itself and the system of its ensuring can be considered as a functional system, which is understood as dynamic self-regulatory organizations, the activity of which is directed at the provision of results of higher level that are useful even for the existence of the systems and organizations being a part of them. It is impossible not to agree with the Sudakov's opinion (1984), according to which it can be argued that the functional system, to which the system of investment security belongs, is based on the following principles: the result of activity as a leading, system-forming factor; self-regulation as a general principle of the organization of functional systems; selective consolidation of separate bodies and institutions in the integral organization of the functional system, the interaction of separate elements to achieve the final results of the system operation; hierarchy of functional systems; systems genesis [10].

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Two interrelated processes are characteristic for the development of the system, namely stability preservation, maintenance of integrity, on the one hand, and the objective existence of fluctuations, which lead to a temporary violation of this stability and integrity, on the other hand.

Because the development of the society, of any system in general and its individual elements is a nonlinear process, fluctuations take place at certain points of bifurcation and are manifested as external influences of destabilization algorithms of different levels of intensity and dynamism. Stability preservation means the ability of the system to withstand these influences, thereby ensuring the continuity of its development. Maintaining integrity involves the implementation of the target function of the system by its each element.

The chain of bifurcations cannot only divert the system of investment security from the optimal state (orderliness - chaos), but also return it to this state by using protective mechanisms (chaos – orderliness) [11]. In the context of the research, such points of bifurcation in the case of "orderliness-chaos" are the deviation of the limit values of the relevant indicators of the investment security level that can result in threatening processes in the economy. In general, bifurcations are accompanied by certain changes in particular areas or in the whole system, in the internal or external structure, in some functions of their whole system. Under the influence of these changes, the emergence of a new dissipative structure begins a new process of developing a security system. This structure ensures the security system stability in a qualitatively different state, on a qualitatively new level of the organization.

When studying the investment security system and the system of its ensuring it is also advisable to use the principle of synergetics that is the scientific direction of the study of self-organization processes in natural and social systems. In ontological terms, the subject of synergetics is the study of the patterns of origin, functioning and development of self-organizing systems of different nature. Applying the principles of synergetics, Sytnyk (2012) has offered a new look at the phenomenon of social systems safety, the general properties of which can be adapted to the investment security system: "state of uncertainty and stability, existence of various kinds of threats, preservation of the integrity of the social system creates a tendency to complicate the system with new properties; security appears in the context of the nonlinear development of the system as one of the possible ways of further social change; security can be considered as a property of a social system, where each element has an adequate level of freedom for its self-preservation without violating the integrity of the system; it is possible to scrutinize the security of the system at the point of bifurcation, when some types (components) of security can be constructive while others are destructive" [7, p. 43].

The essence of synergetics lies in the fact that uncertainty and instability of the system are its properties, which arise from the interaction of elements.

Forecasting, planning and identifying directions and means of strengthening the investment security in modern conditions can't be carried out without coordination and coherence. Only synchronous development of all elements (subsystems) of the investment security system will ensure its highest efficiency. A holistic view of the essence of investment security, its functioning, interaction of its elements is possible by means of combining structural-functional and synergetic methodologies. The practical outcome of such a combination of methodologies to understand the mechanism of ensuring investment security is of particular importance.

2. Methodological aspects of the systemic approach in the analysis of investment security of the nation.

The problem of ensuring investment security as an integral part of the economic and national security in general is systemic and can't be limited to the creation of a system of separate bodies. Using the methodology of the systemic approach is a way to successful analysis of the processes taking place in the system of ensuring investment security.

The essence of systemic researches within the framework of scientific analysis of investment security is to use the fundamental methodological concept of the "system". The basic principle of systemic approach is that systemic phenomena are investigated by a system of methods based on systemic principles to achieve the goals of the system. If investment security is considered as a certain process, then there is a need in the analysis of the content of the activity that can ensure it as well.

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We argue that the systemic approach of investment security study is an approach in which all social connections and mediation, elements and components of society and nation, functions and problems regarding the ensuring of investment security are considered as interconnected. The structuring of the system, the formation of its components and the definition of functions of both the system as a whole and its components, as well as the determination of factors that ensure the stability and integrity of the system form the basis for a comprehensive study of the social system of any level of organization, any process or problem [12].

Now the state of theoretical thought regarding the research of the investment security system is characterized by the search for alternative concepts of ensuring investment security. One of such alternatives may be the methodological basis of the institutional theory, according to which investment security as an institution can be a set of rules for higher level security and the organization whose function is to create a favorable institutional environment through reducing transaction costs. The tasks facing the institutional methodology are multidisciplinary. Behavior of investment entities in order to meet their interests, its constructive or destructive nature is one of the components and consequences of the development of economic, social and political institutions.

The system of investment security is relatively separate (Fig. 1), has a special structure and connections with the external environment and a specific mechanism of reproduction.

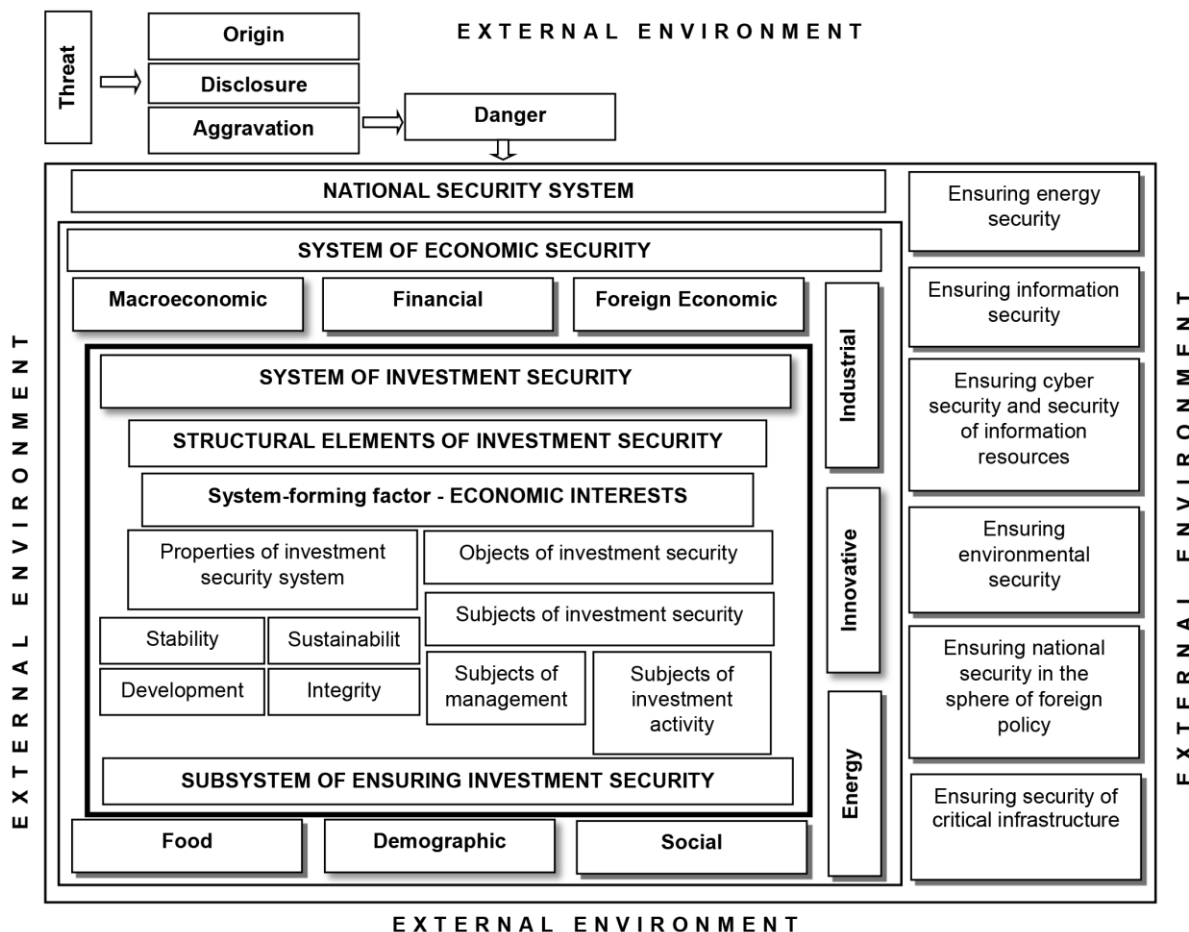


Fig. 1. Decomposition of the system of investment security of the nation (authoring)

The leading system-forming factor that organizes and determines the configuration of a functional system of any level of complexity is a useful result for every system and society as a whole. The final

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result of the functional operation of the investment security system as a component of economic security in general terms is defined in Methodological Recommendations on the Calculation of the Level of Economic Security of Ukraine in 2013. According to them, the task of investment security as an integral part of investment and innovation security is to increase the efficiency and deepen the specialization in the creation of products with a high share of added value, which will contribute to the growth of the competitiveness of the national economy in the global economic environment in conjunction with its ability to achieve sustainable and balanced growth. That is, in other words, using the methodology of the institutional theory and the security theory, the purpose of investment security, as well as other components of economic and national security, is to protect the interests and values of multi-level entities, to monitor and neutralize threats and dangers in the investment sphere [13].

Investment security within the security system of higher level is caused by the presence of synergies between different actors at different levels of the hierarchy. It reflects the system of economic relations that arise in the process of harmonization, implementation and protection of interests by those actors. Therefore, the objects of investment security are economic interests, their balance and coherence between the subjects of investment. In our opinion, the subjects of investment security are the state and society with their formal and informal institutions as subjects of management, on the one hand, and, on the other hand, the subjects of investment activity regardless of their legal status, form of ownership and territoriality.

At each specific moment of time, the effective functioning of any system, including the system of investment security, is exposed to the negative factors of internal and external environment. By the level of stress, destabilizing factors can be divided into threats and dangers. According to the structural and functional approach, each functional system is based on the principle of self-regulation: the deviation of the performance of the system from the level that provides the normal life of the society necessarily leads to a chain of processes aimed to restore the optimal level of this result. On the other hand, as a rule, the changing in one indicator of the performance of one functional system in the society is immediately reflected in the results of others.

For functional systems of a multi-link regulation (and the system of investment security is an integral part of economic security, which in turn is an integral part of national security) a qualitatively different self-regulation principle is characteristic, i.e. the deviation from the optimal level of any parameter results in a directed redistribution in certain ratios of the values of all other parameters of to the results of their indicators. The system of investment security in the self-regulation process lies in the fact that the limits of this self-regulation are set up by society. Self-regulation is necessary for the system to organize its life, structure of forces and means for solving the problems that a society faces. However, if the tasks facing the investment security system can't be solved in the amount of resources provided by society and society constantly ignores the demands of its structural elements, the system can direct the self-regulation process into a destructive channel, or the management of this system begins to imitate its ability to fulfill its functional purpose [6, p. 85]. Processes of deindustrialization, reduction of investments, non-productive use of investments (investment of financial resources in the unproductive sphere of entrepreneurial activity) and economic crime can exemplify this.

The main feature of the economic system lies in the exceptional diversity of its properties, some of which reflect the content of investment security and are of crucial theoretical and practical significance in the context of investment security ensuring. As it can be seen from Figure 1, the main features of the investment security system are stability, sustainability, development and integrity. Stability should be understood as a state of the system that ensures its evolution combining dynamic and static elements. A dynamic component of the investment security system stability is its development and integration into higher-level systems. An example of the static component of the stability of the investment security system can be its structure, i.e., the unaltered set of elements that ensure the functioning of the system accordingly to its aims.

Sustainability reflects the strength and reliability of its elements, vertical and horizontal relations within the system, the ability to withstand external influences (threats) under the conditions of activation of destabilization algorithms of different levels of intensity and acceptable dynamic parameters. It provides continuity in its development. An important feature of the investment security system is its

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development that creates new, favorable conditions for survival. If the system does not develop, then its ability to survive, its ability to withstand and adaptation to internal and external threats are sharply reduced.

Integrity means that the system acts as the only object where the interconnections between the parts are very strong, and each element of the system contributes to the implementation of the target function of the system.

Conclusions. To sum it up, the analysis of the main research areas on the formation and ensuring the investment security system gives grounds to say that only an integrated use of various methodological approaches can better determine the features and functions of the system. So, using the above methodological approaches, in our opinion, the system of investment security can be characterized as a complex, open, dynamic system, which is a set of subsystems, and which itself is a subsystem for a higher order system; as a constructive institution (a set of rules and organizations), being influenced and interconnected with other systems of different levels, is an integral part of ensuring the conditions necessary for carrying out productive investment activities by reducing transaction costs, which will ensure an effective structural adjustment of the national economy in accordance with world trends and welfare growth. To realize this goal, there is a need for the formation of an effective security subsystem – the ensuring investment security system. The systemic approach allows to organically combine analysis and synthesis, quantitative and qualitative approaches, which, in turn, offers extremely wide opportunities for the application of heuristic, logically mathematical, national-security-scientific and many other methods in the study and analysis of modern security systems, methods and ways to ensure their sustainability, stability, development and integrity.

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Received for publication 19.12.2017

Бібліографічний опис для цитування :

Varnalii, Z. S. Methodological bases of research of the system of investment security of the nation / Z. S. Varnalii, D. V. Nikytenko, O. P. Mykytiuk // Науковий вісник Полісся. – 2018. - № 1 (13). ч. 1. – С. 8-14.