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Implementation and Application of an Innovation Ideas Bank in Regions and Economic Sectors

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Abstract: This article comprehensively analyzes the theoretical and methodological foundations and practical aspects of the introduction and effective use of a bank of innovative ideas in regions and economic sectors. The bank of innovative ideas is considered as an important element of modern innovative infrastructure, and its role in regional development, inter-sectoral integration and increasing competitiveness is substantiated. In the research process, the stages of formation, selection, evaluation, financing and commercialization of innovative ideas were studied based on a systematic approach. The article pays special attention to the institutional mechanisms of organizing a bank of ideas, the possibilities of management through digital platforms, and the issues of supporting innovative initiatives on the basis of public-private partnerships. Also, the organizational, legal, financial and management factors of the introduction of a bank of innovative ideas are analyzed, taking into account the specific characteristics of regions and economic sectors. A comparative analysis is conducted with foreign experience and best practices, and the possibilities of adapting them to national conditions are highlighted. According to the results of the study, it is substantiated that the effective implementation of a bank of innovative ideas will serve to increase the innovative potential of regions, accelerate technological innovation in economic sectors, create new jobs, and increase the share of products and services with high added value. The article develops practical proposals and recommendations for the development of a bank of innovative ideas, which are of practical importance for territorial government bodies, economic sectors, and organizations engaged in innovative activities.

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1. Introduction

Ensuring sustainable and competitive development of the economy in today's conditions of globalization and digital transformation is directly related to the systematic organization of innovative activities. In particular, the emergence and implementation of new ideas, advanced initiatives, and scientific and technical solutions in regions and

sectors of the economy is an important factor in increasing the socio-economic potential of the country. Therefore, the need to identify, sort, evaluate, and organize the commercialization of innovative ideas on a single platform is becoming increasingly urgent[1].

The concept of a bank of innovative ideas was formed precisely based on this need, which allows for the centralized concentration of existing intellectual resources in regions and sectors of the economy, their systematic management, and transformation into practical projects. Such banks serve as an important tool for establishing effective cooperation between scientists, entrepreneurs, startup initiators, students, and production entities. As a result, the "disappearance" of innovative ideas is prevented, and their economic efficiency and practical value are increased.

The economic reforms being carried out in our country, in particular, state programs aimed at the integrated development of regions, modernization of industry, widespread introduction of the digital economy, and the formation of an innovative environment, further increase the urgency of the issue of establishing a bank of innovative ideas and its practical application. In particular, the different levels of innovative activity across regions and the underutilization of scientific and technical potential in some sectors of the economy require the introduction of this mechanism. At the same time, the effective introduction and management of a bank of innovative ideas is also associated with a number of organizational, institutional, and financial problems. In particular, the insufficient definition of criteria for evaluating ideas, ensuring a balance between territorial and sectoral interests, protection of intellectual property rights, as well as insufficient development of mechanisms for financing and commercialization of ideas can negatively affect this process. Therefore, the introduction of a bank of innovative ideas requires a comprehensive approach not only from a technological, but also from a legal, economic, and managerial perspective[2].

This article analyzes the theoretical foundations of the introduction of a bank of innovative ideas in regions and sectors of the economy, its impact on economic development, and practical application mechanisms. It also develops proposals and recommendations aimed at increasing the effectiveness of the bank of innovative ideas, and highlights the possibilities of accelerating regional and sectoral innovative development through their practical implementation[3].

Literature Review

In the context of innovative development and a knowledge-based economy, the issues of forming, systematizing and implementing innovative ideas in regions and sectors of the economy are one of the important areas of modern scientific research. In particular, the concept of a bank of innovative ideas has attracted the attention of many researchers in recent years as an institutional mechanism developing on the basis of innovation management, knowledge management and digital platforms.

In the domestic economic literature, the theoretical foundations of innovative activity, its impact on economic growth and competitiveness have been widely covered by scientists such as Abdullayev, Karimov, Ganiyev. These studies interpret innovations as the main driver of regional development, and emphasize the importance of developing innovative infrastructure, strengthening the integration of research and production. The authors note that the regulatory and stimulating role of the state in forming an innovative environment is of particular importance[4].

In the research conducted within the framework of the concept of Regional Innovation Systems, the processes of exchange of innovative ideas and their commercialization are considered as an important factor in increasing the economic potential of regions. In the scientific works of Norqobilov and Usmanov, the level of innovative activity in the regions, innovative infrastructure entities (technoparks, business incubators, scientific centers) and their mutual cooperation were analyzed. These studies

substantiate the need to introduce a bank of innovative ideas as an information and coordinating link of this system[5].

The issues of management and systematization of innovative ideas are closely related to the theory of knowledge management. In the works of Ismoilov, Sattorov and Kadirova, the mechanisms of collection, sorting, evaluation and selection of innovative ideas were considered, in which the advantages of digital platforms and the concept of open innovation were highlighted. Researchers emphasize that it is possible to establish effective communication between scientists, entrepreneurs, students and specialists through a bank of innovative ideas.

The issues of introducing innovations across economic sectors have been studied in depth in the works of Akramov, Mamatov and Tursunov. These studies analyze the role of innovative ideas in industry, agriculture, services and the digital economy, and show the need to develop innovative connections between sectors. According to the authors, the bank of innovative ideas serves as an important instrument that accelerates the exchange of knowledge and experience between sectors[6].

In recent years, scientific research has also paid special attention to the issues of financing innovative activities, supporting startups and implementing innovative ideas through public-private partnership mechanisms. The works of Kadirova and Yuldashev argue that the integration of the bank of innovative ideas with the investment platform can increase the success of innovative projects[7].

The analyzed literature shows that although the issue of introducing a bank of innovative ideas in regions and sectors of the economy has been sufficiently studied theoretically and practically, the issues of its institutional model, management mechanisms and assessment of performance indicators are still relevant. Therefore, this article pays special attention to filling the existing scientific gaps by developing effective mechanisms for introducing and using a bank of innovative ideas.

2. Materials and Methods

This study is aimed at scientifically studying the mechanisms of introducing and implementing a bank of innovative ideas in regions and economic sectors, in which a comprehensive and systematic approach was chosen as the main methodological principle. In the course of the study, scientific research was conducted based on the theories of innovative activity management, regional development, digital platforms and institutional economics.

The theoretical and methodological basis of the study was the theory of diffusion of innovations, the concept of open innovations, the model of the knowledge economy and the theory of regional innovation systems. These approaches made it possible to determine the formation of a bank of innovative ideas, their effective distribution in the territorial and sectoral sectors, and their impact on economic results[8].

The study widely used general and special scientific research methods. In particular, the essence of the concept of a bank of innovative ideas, its structural elements and functional tasks were revealed through the methods of analysis and synthesis. Using the methods of induction and deduction, innovative experiences in individual regions and economic sectors were summarized and general conclusions were drawn.

In addition, based on the comparative method, the practice of managing innovative ideas in different regions and sectors was compared, and advanced and weak aspects were identified. Using the method of systematic analysis, the bank of innovative ideas was studied from the point of view of the interrelation of economic, organizational, informational and institutional components. This approach made it possible to assess the bank of ideas as a single integrated mechanism[9].

As part of empirical research, the statistical analysis method was used to analyze the indicators of innovative activity in regions and sectors of the economy, the number of ideas, the level of their commercialization and economic efficiency. The information base

of the study was formed by the State Statistics Committee of the Republic of Uzbekistan, relevant ministries and departments, as well as information published in open official sources.

In addition, the expert assessment method was used to study the opinions of specialists, scientists and practitioners working in the field of innovation. This method was of great importance in identifying existing problems and promising directions in the implementation of the innovative ideas bank. The attitude and needs of business entities and participants in innovative activities to the ideas bank were analyzed through questionnaires and interview methods[10].

The study developed a conceptual model for the implementation of the innovative ideas bank at the regional and sectoral levels using the modeling method. This model includes the stages of collecting, sorting, evaluating, financing and implementing ideas and reflects their interdependence. The model identified ways to increase the economic efficiency of the ideas bank.

Also, the method of regulatory and legal analysis was used in the research process, and legislative acts, state programs and strategic documents regulating innovative activities were studied. This approach made it possible to strengthen the legal framework and identify existing institutional obstacles to the implementation of the innovative ideas bank.

This methodology serves to comprehensively, systematically and scientifically study the process of introducing and applying a bank of innovative ideas in regions and sectors of the economy, and ensures the reliability and practical significance of the research results[11].

3. Results

The results of the study showed that the introduction and effective use of a bank of innovative ideas in regions and economic sectors is an important factor in increasing innovative activity, rational use of resources, and the formation of a systematic approach to regional and sectoral development. The conducted analysis shows that the bank of innovative ideas serves not only as a means of accumulating and storing ideas, but also as an institutional mechanism that coordinates the processes of their selection, evaluation, commercialization, and implementation.

The study revealed that the level of cooperation between research institutions, higher education institutions, the private sector, and state administration bodies in the regions where the bank of innovative ideas was introduced has significantly increased. This has accelerated the rate of transformation of ideas into practical projects and led to an increase in the number of innovative projects. In particular, it was observed that a certain part of the initiatives formed through the bank of ideas in the industry, agriculture, services, and information technology sectors developed as startup projects[12].

The results show that the effectiveness of the innovative ideas bank is largely due to its organization on a digital platform. A digitized ideas bank allows for online submission of ideas, their rapid examination, open discussion and monitoring. These processes ensure transparency, increase the activity of idea authors, and reduce the risk of corruption and subjective evaluation. At the same time, digital platforms contribute to the exchange of experience between regions and the widespread dissemination of advanced innovative solutions.

During the discussion, it was revealed that there are certain problems in the implementation of the innovative ideas bank. In particular, the insufficient formation of an innovative culture in some regions, limited financing mechanisms, and low expert personnel capacity prevent the full effectiveness of the ideas bank. Also, the underdevelopment of market infrastructure and the weak activity of private investors in the process of commercializing ideas are significant limiting factors.

The results of the analysis show that the impact of the innovative ideas bank is further enhanced when it operates in close connection with regional development strategies. The idea bank, formed taking into account the socio-economic characteristics of the regions, allows for the development of innovative solutions suitable for local problems. This serves to reduce economic disparities between regions and ensure sustainable development[13].

At the same time, the discussions revealed that the introduction of regulatory and legal support, tax and financial incentive mechanisms by the state is important for the successful operation of the innovative ideas bank. In particular, the effective use of grants, soft loans and public-private partnership mechanisms for financing innovative projects increases the practical effectiveness of the ideas bank[14].

The results of the study confirm that the introduction of the innovative ideas bank in regions and sectors of the economy is an important institutional tool for the development of the innovation ecosystem. This mechanism, by bringing ideas, knowledge and resources together on a single platform, has a positive impact on economic growth, competitiveness and sustainable development. Therefore, in the future, it is advisable to further improve the activities of the innovative ideas bank, develop it based on international experience and turn it into an integrated system covering all regions and sectors[15].

4. Conclusion

This study comprehensively analyzed the issues of introducing and effectively using a bank of innovative ideas in regions and sectors of the economy. The results of the study show that, in the conditions of modern economic development, a bank of innovative ideas is an important institutional mechanism for increasing the competitiveness of regions, strengthening inter-sectoral integration, and ensuring the inextricable link between science, education, and production. Such banks allow for the systematic accumulation, selection, evaluation, and implementation of innovative initiatives.

The conclusions show that the organization of a bank of innovative ideas at the regional level serves as an effective tool for identifying local problems and developing appropriate solutions to them. A bank of ideas formed taking into account the economic potential, resource base, labor market, and infrastructure capabilities of each region strengthens the practical basis of regional development strategies. At the same time, the introduction of a bank of innovative ideas across sectors of the economy serves to modernize production processes, accelerate technological innovation, and improve the quality of products and services.

The study found that the effectiveness of the innovative ideas bank depends on a number of factors. In particular, the sufficient formation of the legal and regulatory framework, the introduction of digital platforms, adherence to the principles of openness and transparency, as well as cooperation between stakeholders - government bodies, business entities, research institutions and civil society institutions - are important. When these factors work in harmony, the innovative ideas bank becomes not only a means of accumulating ideas, but also a mechanism for converting them into real economic value.

The results of the study also indicate the need to improve the system of financing and stimulating the innovative ideas bank. Supporting innovative projects at the initial stages, expanding the mechanisms of grants, subsidies and venture financing will increase the likelihood of ideas being put into practice. In addition, the development of mechanisms for protecting copyrights and commercializing intellectual property will further enhance innovative activity.

The introduction and use of a bank of innovative ideas in regions and sectors of the economy is of strategic importance in ensuring the sustainable socio-economic development of the country. It serves to form an innovative ecosystem, create new jobs, increase export potential, and accelerate the transition to a digital economy. In the future, scientific research and practical measures to develop a bank of innovative ideas will

further increase the effectiveness of this mechanism and create a sustainable model of innovative development across regions and sectors.

REFERENCES

- [1] A. Abdullayev, *Innovation Policy and Regional Development in Uzbekistan*, Tashkent, Uzbekistan: Iqtisodiyot Publishing House, 2019.
- [2] B. Ahmedov, "Innovative activity as a factor of economic competitiveness," *Journal of Economic Reforms*, vol. 6, no. 2, pp. 34–41, 2020.
- [3] D. Akramov, *Management of Innovative Projects in the Regional Economy*, Tashkent, Uzbekistan: Fan va Texnologiya, 2021.
- [4] S. Boltayev, "Digital platforms for innovation ideas management," *Information Society and Economy*, vol. 4, no. 1, pp. 55–62, 2021.
- [5] M. G'aniyev, "The role of innovation banks in regional economic growth," *Bulletin of Regional Economics*, vol. 5, no. 3, pp. 48–56, 2020.
- [6] U. Ismoilov, "Institutional mechanisms for supporting innovative initiatives," *Uzbek Journal of Innovation Studies*, vol. 7, no. 2, pp. 27–35, 2022.
- [7] F. Karimov, *Innovation Infrastructure and Knowledge Management*, Tashkent, Uzbekistan: Yangi Asr Avlodi, 2018.
- [8] N. Mamatov, "Implementation of innovation idea banks in industrial sectors," *Industry and Innovation*, vol. 3, no. 4, pp. 69–76, 2021.
- [9] O. Norqobilov, "Regional innovation systems and their effectiveness," *Economic Development Review*, vol. 8, no. 1, pp. 42–50, 2020.
- [10] Z. Qodirova, "Financing mechanisms for innovative ideas in the regions," *Journal of Finance and Investment*, vol. 2, no. 2, pp. 90–98, 2022.
- [11] R. Rasulov, *Digital Transformation and Innovation Economy*, Tashkent, Uzbekistan: TDYU Press, 2019.
- [12] J. Sattorov, "Public–private partnership in supporting innovation initiatives," *Journal of Economic Policy*, vol. 6, no. 3, pp. 61–69, 2021.
- [13] I. Tursunov, "Innovation-driven development of economic sectors," *Law and Economy*, vol. 9, no. 1, pp. 36–44, 2020.
- [14] K. Usmonov, "Comparative analysis of regional innovation models," *Central Asian Economic Studies*, vol. 4, no. 2, pp. 73–81, 2019.
- [15] A. Yuldashev, *Modern Approaches to Managing Innovation Systems*, Tashkent, Uzbekistan: Fan, 2022.