

Abstract to the dissertation of Maxim Aleksandrovich Korkin on the topic:
“Development of methods for assessing the effectiveness of implementing the innovative potential of regional industrial enterprises”, submitted for the degree of
Candidate of Economic Sciences in specialty 5.2.3. Regional and sectoral
economics

Relevance of the research topic. The development of modern branches of the industrial sector of Russia, aimed at achieving the required level of its competitiveness, is impossible without the intensification of innovation activity, the use of new methods of rational organization of this activity through the effective implementation of the accumulated potential of innovation in the production and economic system. Intensifying the use and building up of innovative potential makes it possible to increase the level of efficiency of industrial enterprises and gain additional competitive advantages. But at present, this factor in the development of innovative activity in the industrial sector is not fully used as a modern driver for the development of the industrial sector, and there is also no method for comparative assessment of the effectiveness of implementing the accumulated innovative potential of industrial enterprises.

In this aspect, one of the priority areas for the long-term development of innovations of industrial enterprises is the assessment of the effective implementation of innovative potential in order to increase its capabilities and further development. For the effective implementation of innovative activities of industrial enterprises, it is necessary to determine the methodological features of assessing the effectiveness of innovative activities and increasing the realization of the innovative potential of business entities, its structure, elements, influence factors and determine the existing dependencies between them.

At present, despite the active development of methodological approaches and tools for assessing innovative potential, the availability of well-founded, comprehensive methods using quantitative indicators, assessment issues affect certain areas of the effectiveness of using innovative potential, determined by the

goals of the functioning of enterprises. In addition, a significant drawback in the theory of assessing innovative potential is the lack of a comprehensive methodology for multifactor assessment of hidden reserves of innovative potential, which would allow us to identify additional opportunities for increasing its use.

Insufficient knowledge of the formation and development of methodological support for assessing the effectiveness of development and implementation of the innovative potential of industrial enterprises, which determine the effectiveness of their innovative development, role in the domestic economy, determines the goals and objectives of the dissertation research.

The object of the study is methods for assessing the effectiveness of implementing the accumulated innovative potential at regional industrial enterprises.

The subject of the study is managerial and organizational-economic relations to improve approaches, methods and techniques for assessing the level of implementation of the innovative potential accumulated by regional industrial enterprises.

The purpose of the dissertation research is to develop methods for assessing the effectiveness of the implementation of the innovative potential accumulated by regional industrial enterprises.

To achieve this goal, the following **tasks of the dissertation research were identified and solved** :

- to reveal and supplement theoretical and methodological approaches to determining the innovative potential of industrial enterprises;
- develop a methodology for diagnosing the level of accumulated innovative potential of industrial enterprises;
- develop a model for assessing the effectiveness of implementing innovative potential;
- develop a methodology for a comprehensive assessment of latent reserves of innovation potential in the context of effective implementation in industrial enterprises;

- supplement the methodology for assessing the influence of human capital of industrial enterprises on their innovative potential.

The theoretical and methodological basis of the study consists of scientific works of foreign and Russian scientists in the field of research and methodology for assessing innovative potential, as well as improving the tools for assessing this category in industrial enterprises.

When developing the dissertation research, the author used **general scientific methods** : system-logical, statistical analysis, comprehensive assessment, typological and classification modeling, as well as techniques of structural, functional, rating and descriptive analysis, methods of expert assessments and economic-mathematical modeling.

The information base of the study consisted of the regulatory framework for the innovative sphere of industry of the federal government bodies of the Russian Federation, official data and reports of the Federal State Statistics Service of the Russian Federation, electronic resources on the topic under study, economic scientific publications of domestic and foreign scientists and leading industry specialists and production workers, as well as indicators of annual reporting documents of enterprises, on the basis of which the testing of methods for assessing innovative potential was carried out: VolgaBumProm LLC , Balakhninskaya Cardboard Factory LLC and the Group of Enterprises of Perm Pulp and Paper Company JSC.

The scientific novelty of the study lies in the development of theoretical and methodological approaches and practical application through testing methods for assessing the effectiveness of the implementation of innovative potential at industrial enterprises.

The main elements of scientific novelty are the following provisions and results, substantiated in the dissertation and submitted for defense:

1. Theoretical and methodological approaches to determining the innovative potential of industrial enterprises, which differ from existing approaches, have been systematized and supplemented:

– systematization of methodological approaches of scientific research to the conceptual and essential definition of the category “innovative potential of industrial enterprises”, the author’s definition of the structural elements of innovative potential that have systemic relationships between economic, scientific, technical and production potentials that ensure the creation and implementation of innovations at enterprises of the production and economic system;

– proposing a typology of innovation potential based on systematization and classification of objects of innovation potential, highlighting the essential elements and characteristics that are determined by the industry specifics of its functioning;

– systematization of current trends and factors influencing the formation and implementation of the accumulated innovative potential of enterprises of the industrial complex, taking into account the complexity of the system of key factors, capabilities and reserves, system-forming conditions, the influence of factors at the micro-, meso-, macro- and global levels, factors-barriers that prevent development of innovative potential.

2. The author’s methodology for diagnosing the level of accumulated innovative potential of an enterprise is proposed, based on the identification and expert assessment of the parameters of the key components of innovative potential for the adequacy, possibility and ability to carry out innovative activities by the enterprise in the present and future.

3. A model for assessing the effectiveness of the implementation of innovative potential is proposed, based on the identification and expert assessment of the parameters of the key components of the innovative potential of industrial enterprises carrying out innovative project activities in the present and planning innovative activity in the future.

4. The author’s methodology has been developed for a comprehensive analysis of latent reserves for areas of development of the methodological framework and assessment elements, as well as innovative potential.

5. The author’s addition to the model for assessing the strategic development of the innovative potential of industrial enterprises with the inclusion of criteria for

the effectiveness of the use of innovative potential, taking into account human capital, is proposed.

The theoretical significance of the study lies in the clarification of scientific categories and in the development of new methodological approaches to assessing the effectiveness of the accumulated innovative potential of enterprises, in the classification of factors influencing the level of creation and development of the innovative potential of enterprises, in the practical methodology for assessing the effectiveness of the implementation of accumulated innovative potential, in the methodology for assessing latent reserves for implementation innovative potential, as well as in the development of a methodological apparatus for assessing the level of human capital in the effectiveness of the strategic use of the accumulated innovative potential of enterprises.

The practical significance of the study lies in the fact that the methods used, algorithms and practical models for calculating the efficiency index of accumulated innovation potential are a complete toolkit for making management decisions for the implementation of effective innovative project activities of a modern industrial enterprise.

Contents of the dissertation research. The dissertation consists of an introduction, three chapters, a conclusion, a bibliography including 203 sources, and four appendices of 10 pages containing 3 tables. The main part of the dissertation research material consists of 174 pages of typewritten text, 30 tables and 25 figures.