

**Methodological Approaches to Assessment of the Condition Innovative  
Potential in the System Macroeconomic Indicators***Marat Lutfullaevich Tursunkhodzhaev<sup>1</sup>***Abstract**

Most methods prefer to use a scoring method or an expert method to evaluate each variable. As practice shows, the use of the expert method presupposes the presence of subjective factor, does not give the possibility of a mathematical assessment of the reliability of the research result.

**Keywords:** system, valued, competitiveness, innovative, integral, economic.



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An important aspect of managing the economic system is the availability of tools for assessing the main indicators of the development of the system and the results achieved, the possibility of comparing them with other entities, as well as the possibility of constant control over the dynamics and directions of change in key indicators of innovative development.

In a number of developed and developing countries, the innovative potential of the university is highly valued and is considered as the main factor of economic development and is the most important component of the country's competitiveness. Assessment of the innovative potential of the university is important for justifying the development of programs for the strategic development of the university, taking into account the effective use of innovative resources. The innovative development of universities is closely related to the search for internal resources, therefore, special attention should be paid to assessing the innovative potential.

To assess the innovative potential in foreign practice, indicator or index methods are used, based on the assessment of variables, interpreting qualitative and quantitative characteristics. The analysis of the variables of the integral assessment of innovative potential was based on three Western models, well proven in the practice of both information collection and analysis (table 1).

**Table 1-Methods for assessing innovative potential for based on quantitative and qualitative characteristics**

No	Title	Content
1	European Innovative Scoreboard	European Innovation Scoreboard Index, which is an instrument of the European commission developed under Lisbon strategy to ensure comparative assessment of innovative activities of the EU member states.
2	Innovative Index of EIU (from Economist Intelligence Unit)	Magazine «Economist».
3	Boston innovative index	“Innovation Inputs” and “Innovation Performance”, “Costs of innovation” and “innovation efficiency”.
4	BCG (Boston Consulting Group)	“Innovation Inputs” and “Innovation Performance”, “Costs of innovation” and “innovation efficiency”.

*Source: Compiled by the authors on the basis of a synthesis of scientific literature*

Most methods prefer to use a scoring method or an expert method to evaluate each variable. As practice shows, the use of the expert method presupposes the presence of subjective factor, does not give the possibility of a mathematical assessment of the reliability of the research result. Thus, the supporters of this approach combine in the category of "the innovative potential of the university" both the initial resources and the final results of innovative development, which, in our opinion, is not entirely correct, since the results of the innovative activity of the university characterize the increase in innovative resources used for the implementation of internal innovative processes, which predetermines the need to distinguish between the concepts of resources and the results of innovative activities of the university. This distinction makes it possible to single out two independent categories - "the innovative potential of the university" and "the innovative activity of the university". The implementation of the innovative management process involves the use of innovative, human and intellectual resources, while the specificity of other types of resources required for the development of internal management

innovations is determined by the peculiarities of the implementation of innovative educational and research processes. The following types occupy a special place in the structure of the innovative potential of the university:

- human potential- innovative sensitivity and creativity of personnel decisively determine the pace of innovative development higher education institution;
- infrastructure potential- the innovative infrastructure of the university is designed to create favorable conditions for the effective use of all components of the innovative potential of the university;
- intellectual potential - the intellectual potential of the university staff is based on indicators (indicator numbers are used in the future in calculation formulas with omitted weight coefficients): number of doctors of sciences; the number of professors; number of candidates of sciences;
- Thus, innovative activity is a complex characteristic of an innovative development of a higher educational institution, the most important component of which are the results of innovative activities (social, scientific, scientific and technical, economic, etc.), which serve as the basis for further building up innovative potential. Consequently, the effectiveness of the innovative activity of the university is determined by the degree of transformation of the innovative potential into the results of its innovative activity during the implementation of internal innovative processes in conditions of the existing innovation climate. In general, the relationship between the categories "innovative potential" and "innovative activity" in relation to the activities of a higher educational institution is presented in Figure 1.

Since the innovative potential serves as the basis for the implementation of innovative activities of the university, its assessment is of particular importance. It should be noted that at present, a unified methodology for assessing the innovative potential of a university has not yet been formed.

The peculiarity of modernization in Uzbekistan also imposes its own specifics, where it is not just a matter of transformation towards strengthening

competitiveness of the economy, and the creation of a new institutional environment for an innovative economy. An important aspect of assessing the competitiveness of universities is the availability of tools for assessing the innovative potential and the results achieved, as well as the possibility of constant control over the dynamics and directions of changes in key indicators of the development of the innovation system and entrepreneurial activity of the innovative potential of higher educational institutions, which requires the development of an author's approach. In this regard, the assessment of the innovative potential of universities should be understood as an integral quality from the performance of each of its structural units, taking into account all aspects of their activities.

At the same time, the innovative potential of universities is considered in the work both at the stage of formation and use. This approach made it possible to determine the main results obtained in the process of formation (resource component) and use (resulting component) of innovative potential. Hence, the result of using innovative potential will be of various types of innovations (new technologies, new types of goods, services, etc.).

innovative potential of the universities of the republic, it was formulated the following indicator system.

The objectives of this system of indicators include: analysis of the current state, trends and features of the growth of innovative potential in universities; identification on this basis of key problems in their development and the development of recommendations for improving measures to form an innovative strategy for the development of educational institutions. For a comparative analysis, an approach is proposed in which indicators are selected with relative values and determined in fractions of a unit, which allows objectively assess the value of the integral indicator of the innovative potential of educational institutions.

The main indicators characterize the key parameters of the growth of the innovative potential of the university and implement the following functions:

- concretize the goal and objectives of the development of the innovative potential of the university;
- evaluate the effectiveness of the structure of the innovative potential of the university;
- to carry out a factor analysis of the level of development of the innovative potential of the university;
- determine the effectiveness of the use of the innovative potential of the university;
- correct, if necessary, the directions of the strategy of innovative development of the university;

Thus, for a university to form a system of indicators to assess the effectiveness of innovative potential is to answer the question about its place in the country and in world markets, on the goals of activities and actions that determine its development, to be able to respond to changes external and internal environment, expanding competitive opportunities and achieving strategic development targets.

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