

NATIONAL INNOVATION SYSTEM OF UZBEKISTAN – A NEW OPPORTUNITY FOR ECONOMIC DEVELOPMENT

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Abstract: The article examines the national innovation system of Uzbekistan as a key tool for stimulating the economic development of the country in modern conditions. The main aspects of scientific and technological progress and innovative activity in the country are analyzed, its main advantages and challenges are identified. The article also discusses the strategies and measures taken by the government of Uzbekistan to develop the national innovation system and its impact on the economic development of the country as a whole.

Key words: innovation system, economic development, scientific and technological progress, innovation, development strategies, industry, competitiveness.

Аннотация: В статье рассматривается национальная инновационная система Узбекистана как ключевой инструмент для стимулирования экономического развития страны в современных условиях. Проанализированы основные аспекты научно-технологического прогресса и инновационной активности в стране, выявлены ее основные преимущества и вызовы. В статье также обсуждаются стратегии и меры, принимаемые правительством Узбекистана для развития национальной инновационной системы и ее влияние на экономическое развитие страны в целом.

Ключевые слова: инновационная система, экономическое развитие, научно-технологический прогресс, инновации, стратегии развития, промышленность, конкурентоспособность.

The formation and development of a national innovation system is one of the important tasks of the transition to an innovative economy in our republic. The independent national innovation system of each developed country is formed based on the national characteristics and economic conditions of that country.

Today, the President of our country Sh. Mirziyoyev on increasing the role of science in the economy of our republic: "We need to clearly define priority areas in the field of science for our country. No country can develop all areas of science at the same time. "That's why we support the development of several priority areas of science every year." At the same time, tasks were identified that need to be solved in our republic in the future, including "It is necessary to create an electronic platform for scientific achievements, a base of domestic and foreign scientific developments. "Every higher education and research institution should establish cooperation with prestigious foreign universities and research centers."

American K. Freeman (1987) is the first scientist who introduced the concept of a national innovation system and called it a "national innovation system."

The national innovation system means the development and development of a new innovation policy for the development of the country's economy, in which various research



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institutions (institutes) together with the state create innovation processes that include new technologies and new innovative ideas. In other words, the national innovation system is the organization, storage and transfer of new knowledge, new technologies and new ideas that implement the country's main national innovation strategy. Also, the national innovation system consists of the systematic implementation of a new national innovation policy as a result of using the results of the intellectual work of people with intellectual potential (scientific discoveries, inventions, etc.) in order to obtain greater benefits for society, national economy and achieve high efficiency. The need to create a national innovation system in our republic is due to the need to use in the national economy of our republic the experience of countries such as China, South Korea, Singapore, whose economies are rapidly developing on an innovative basis. separate national innovation system.

The Ministry of Innovative Development of the Republic of Uzbekistan is responsible for the development, formation and regulation of the national innovation system of Uzbekistan.

The need for the formation and development of a national innovation system in our republic is expressed in the following:

Firstly, in our republic there is no unified system of this process for enterprises and organizations creating innovations.

Secondly, in our republic an innovation chain is not being created based on a single innovation, connecting science, education and production.

Thirdly, the absence of a single national market for innovative projects that freely supports the activities of innovative institutions that determine the demand for new innovative projects and technologies offered by representatives of intellectual work (scientists, inventors, designers) in our republic.

Fourthly, high market risks when developing and implementing new innovative projects.

Fifthly, the lack of a competitive environment among the entities creating the national innovation system.

Sixth, the low participation of the private sector (enterprises, firms, etc.) as a consumer of innovative ideas and technologies in the effective organization of the national innovation system of our republic.

In general, solving the problems that represent the need described above will make it possible to create innovative products as a complex of objects directly and indirectly involved in the innovation processes of the national innovation system, and will allow for the continuity of innovation activities on the basis of high efficiency. Such structures may include the infrastructure of state scientific industries, the education system, and subjects of state innovation activities.

Today the composition of the national innovation system is as follows:

- state scientific industries and their infrastructure;
- education system (universities, research institutions, research and design bureaus, etc.);
- consists of all other entities involved in innovation activities.

The directions for further development of the national innovation system of Uzbekistan determine the country's innovative development strategy. In our republic, innovative development is a systemic process that involves the implementation of clearly defined measures based on a strategic plan. In this regard, by Decree of the President of the Republic



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of Uzbekistan No. PF-5544 dated September 21, 2018, a "Road Map" for the implementation of "On approval of the Innovative Development Strategy of the Republic of Uzbekistan" was developed. in 2019-2021" and identified target indicators for innovative development of the Republic of Uzbekistan until 2030. The main goal of this strategy is the development of human capital as the main factor determining the country's competitiveness in the international arena and its innovative development. Also, the main objectives of the strategy in achieving the main goal of the Republic of Uzbekistan until 2030 are the following:

- The Republic of Uzbekistan will be among the 50 leading countries in the world according to the global innovation index rating by 2030;
- development of a system of continuous education, ensuring flexibility of the personnel training system to meet the needs of the economy, achieving improved quality and coverage of education at all levels;
- strengthening the attraction of funds (public and private sectors) for innovative scientific research, experimental construction and technological work;
- Strengthening the scientific potential of scientific research and development, increasing their efficiency, scientific research, experimental construction, training in the implementation of the results of technological work, strengthening the creation of effective mechanisms for the integration of science and entrepreneurship, etc.

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