ALIKHAN BOKEIKHAN UNIVERSITY

APPROVED
Rector of ABU
Prof. Sh. Kurmanbayeva

POLICY
of sustainable investment in science and innovation

Investment in science is a complex of costs, which includes: investments in scientific research, acquisition and modernization of scientific material and technical base of the university, construction financing, functioning and modernizing the research infrastructure, formation of funds for remuneration of scientific staff.

Research and development (R&D) contributes to sustainable development and the principles of its realization.

In accordance with the requirements of the Concept of Science Development of the Republic of Kazakhstan for 2022-2026, "Alikhan Bokeikhan University" seeks to ensure the integration of science, business and production.

The degree of development of the research and innovation system forms the basis for sustainable economic growth and is a necessary condition for the region's full participation in the development of national science.

The Company is a multidisciplinary University effectively carrying out educational, scientific and innovative activities and commercialization of scientific developments.

Mission: To contribute positively to the region's educational, research, socio-cultural development by providing quality academic programs aimed at developing employability skills.

Vision: strive to become a socially responsible university recognized by the professional community, creating conditions to enhance employability and contribute to the economic growth of the region.

The aim of adopting a sustainable investment policy is to provide long-term sustainable funding for research and innovation; ensuring support for research projects with relevant results and potential for commercialization.

The policy aims to achieve the following objectives:

- to create an innovation ecosystem and support for scientific research;
- to develop the scientific infrastructure of the university;
- to expand co-operation and integration of science and business;
- to improve mechanisms of technology and scientific knowledge transfer;
- to support the principles of sustainable development within the framework of the university's scientific research.

Fundamental principles of sustainable investment in science and innovation:

1. Stable and long-term funding

The policy is to allocate a stable and sufficient amount of funding for scientific research over the long term.

The level of development of knowledge-intensive technologies is currently the basis of the economic condition and scientific and production potential of the region.

The University will be the central link of integration processes in the sphere of science, education and production. When implementing research programs, the University will strive to develop fundamental research and scientific-applied research and development at the request of the production sphere, as well as to work on the development of innovation infrastructure, creation of scientific-innovation centres, technoparks, which are the link between education, science and production.

Close integration with scientific organizations of the country and abroad will expand the sphere of cooperation of the University and will significantly increase the range of integration issues on creation of new research groups on scientific support of the paramount tasks of the state development. Integration of education and science will increase the contribution of Kazakhstani science to the socio-economic and socio-political development of the country.

In order to integrate education, science and innovation, it is necessary to fully involve teaching staff and students in research activities and implementation of scientific projects.

To address the strategic objectives of university science, it is necessary to intensify the process of commercialization of scientific results and interaction with the real sector and business. Scientific research should be maximally oriented to the actual needs of the economy and society.

2. Relationship of scientific research to sustainable development principles

The policy identifies core areas of science where special investment is required. These may include areas such as artificial intelligence, biotechnology, ecology and others. This takes into account societal needs and global challenges facing humanity.

The University's scientific policy will be based on increasing research potential and developing scientific schools to carry out scientific research within the framework of achieving sustainable-development goals, corresponding to the University's profile, in particular:

1. Ensuring healthy lifestyles and promoting well-being for all at all ages
2. Ensuring inclusive and equitable quality education and promote lifelong learning opportunities for all
3. Achieve gender equality and empower all women and girls
4. Ensure availability and sustainable management of water and sanitation for all
5. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all
6. Building the rational consumption and production models
7. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and effective, accountable and participatory institutions at all levels
8. Strengthening the means of implementation and revitalizing the global partnership for sustainable development.

Interdisciplinary research groups will be established to focus on identifying priority areas of university science.

The development of scientific potential and concentration of resources on priority areas of scientific and technological development will ensure the investment attractiveness of research results and the development of technology transfer and commercialization. When preparing applications for scientific grants, the connection with the real sector through the co-financing mechanism, solving technological problems, the possibility of using the infrastructure of design offices, incubation, acceleration and others will be taken into account.

3. Establishment of the scientific community

The policy fosters collaboration between academia, institutions, universities, industry and government.

This enables the pooling of efforts and resources to solve complex problems and to create an ecosystem of innovation and technology transfer.

The University's strategic partnerships will focus on cutting-edge overseas HEIs and research centres that build capacity for sustainable global development. Dual degree programs with foreign partner universities will be implemented.

Further integration into the global scientific space will be carried out through the participation of the University scientists in international teams based on the world's leading scientific and laboratory complexes in strategic innovation areas.

In order to develop international collaboration, the number of scientific internships of scientists will increase, which will improve the level and quality of research work, foreign language skills, and develop publication activity.

The University will expand cooperation with leading Kazakhstani and international HEIs and research organizations in order to carry out research projects in the most relevant areas.

The University's share of research and development in the Kazakhstani and international market will be increased. In order to strengthen the research potential, an increase in grants funded by both Kazakhstani and international organisations will be provided.

Implementation of these measures will contribute to the internationalisation of scientific activity and further integration of the University into the international research space.

4. Development of scientific capacity

The policy of sustainable investment in science includes measures to support the education and development of scientific personnel. This may include funding of scholarships, organization of scientific schools and conferences, establishment of laboratories, etc. Such support helps to attract and retain talented scientists and researchers.

The development and implementation of a system of incentives for innovation activity will increase the involvement of teaching staff in research activities.

In order to train competitive staff capable of working in a highly uncertain environment, measures will be taken to diversify educational services and introduce new learning formats.

The University will implement a set of educational programs of bachelor's, master's and doctoral studies, which will provide training of the most demanded personnel.

The University, as a multidisciplinary educational and research centre, will make a maximum contribution to the formation of human (intellectual) potential of the country, training of professional staff capable of working at the forefront of research and technology.

The policy of sustainable investment in science and innovation activities of the University is an important tool for the development of science and innovation, creating conditions for quality research, contributing to the development of new technologies and solving global problems of mankind.

5. Effectiveness and reporting

The policy provides a system for monitoring and evaluating the results of research projects. This makes it possible to determine the effectiveness of investments and to adjust the funding strategy depending on the results obtained.

In order to improve the research competencies of teachers and students, trainings will be organized on the use of integrated methods of scientific research and training in the preparation of scientific publications and grant applications with the involvement of leading experts from Kazakhstani and international organizations.

The creation of an Internet platform for the promotion of scientific results will increase the investment attractiveness and demand for research projects of the University.

The impact of the University's research results on the socio-economic development of the country will be assessed on a regular basis.

Approved at session of the Academic Council on September, 27, 2023
Protocol №1