Project title: IRN №AP09260956 "Scientific and methodological foundations for the organization of the educational process in the conditions of distance learning at the Agricultural Research University".

Relevance: Significant changes are taking place in teaching activities in connection with the use of new information technologies in the system of distance education. If in traditional education the teacher spent most of the time explaining the material, now the teacher should:

1. Develop course content on a new technological basis.

2. Help the student navigate the vast and varied educational information and find the educational trajectory that suits him.

3. To ensure active interaction of the student with the teacher himself and with other students during the discussion of course issues.

Each of these main types of teaching activity is characterized by specific problems. So, the development of courses based on new technologies requires not only free possession of the subject, its content, but also special knowledge in the field of modern information technologies. Thus, during the educational process, we need special not only pedagogical, but also technological skills, experience with modern technical means.

In this connection, we plan to develop scientific and methodological foundations for organizing the learning process at an agricultural research university using distance technology. In our model, we expect to increase research skills, motivation of students and teachers. We also plan to analyze the best practices of French colleagues and introduce effective distance learning tools in the educational process of universities (using the example of S. Seifullin Kazakh Agro Technical University).

We understand that distance learning technologies are not innovative methods at this time, but a pandemic around the world has made it clear that there are problems and shortcomings in this area. In this regard, there is a need to review the scientific and methodological foundations of the organization of training in universities using distance technology.

The aim of the project is the formation of the scientific and methodological foundations of the organization of training using distance technology in an agricultural research university using the best practices of AgroPariTech (using the example of S. Seifullin Kazakh Agro Technical University).

Expected and achieved results:

- for 2022: A methodology for organizing the educational process using distance learning technologies has been developed. A conceptual model of the organization of the educational process using distance learning technologies at an agricultural research university has been developed.

As a result of the work performed, two articles were published: one article in a peer-reviewed scientific publication with a citescore percentile based on Scopus - 56. The second in a publication submitted by the Committee for Quality Assurance

in Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan.

The composition of the research team:

Academic Supervisor - **Abdyrov Aitzhan Mukhamedzhanovich**, Doctor of Pedagogical Sciences, Candidate of Technical Sciences, Professor, Academician of APSC, First Deputy Chairman of the Board of JSC Kazakh Agrotechnical University named after S. Seifullin.

Academic co-supervisor of project - **Tashkenbayeva Zhuldyz Mukhtarovna** - PhD, senior lecturer at the Department of Information and Communication Technologies, S. Seifullin Kazakh Agro-Technical University.

The main researcher - **Muratova Gulzhan Klyshevna** - Candidate of Physical and Mathematical Sciences, and Associate Professor of the Department of Information and Communication Technologies of S. Seifullin Kazakh Agro-Technical University.

Researcher - **Koxegen Alia Erishovna** - Senior Lecturer at the Department of Information and Communication Technologies of S.Seifullin Kazakh Agro Technical University.

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Researcher – **Tazhibay Lazzat Kanalbaykyzy** — master, senior lecturer of the Department of Information and Communication Technologies of S.Seifullin Kazakh Agro-Technical University.

Researcher - Aidarbekov Aidiye Ulanbekuly-Doctoral student of the Department of Information and Communication Technologies of S.Seifullin Kazakh Agro-Technical University.

List of publications and patents published under this project: (with links to them):

1. Z. Tashkenbayeva, A. Abdyrov, G. Muratova, G.Kaltayeva, A.Koxegen, L.Smailova. Scientific and methodological foundations for the organization of the educational process in the conditions of distance learning // «World Journal on Educational Technology: Current Issues» Volume 14, Issue 3, (2022) P.884-896. CiteScore 2021 – 1.9. Процентиль – 56. https://un-pub.eu/ojs/index.php/wjet/article/view/7369

2. А.М. Абдыров, Г.К. Муратова, Ж.М. Ташкенбаева, Л.К. Тәжібай // «АНАЛИЗ ОБРАЗОВАТЕЛЬНОГО ПРОЦЕССА С ИСПОЛЬЗОВАНИЕМ ДИСТАНЦИОННЫХ ТЕХНОЛОГИЙ В ВЫСШИХ УЧЕБНЫХ ЗАВЕДЕНИЯХ АГРАРНОГО ПРОФИЛЯ». «Педагогика және психология» №2(51), 2022ж., 248-258 с.

Information for potential users: The results of this project will influence the effective training of specialists in distance learning technologies at agricultural universities. The results of the project will allow universities to develop an effective system for organizing the educational process using distance learning technologies.

Additional information: Analytical scientific reports and articles, study guides, instructions and guidelines and practical organizations of distance technology can be used by teachers, undergraduates and doctoral students for their own research. The expected results of the Project correspond to the priorities of the Republic of Kazakhstan on the modernization of education in the republic.