



«АККРЕДИТЕУ ЖӘНЕ РЕЙТИНГТІҢ
ТӘУЕЛСІЗ АГЕНТТІГІ» КЕМ

НУ «НЕЗАВИСИМОЕ АГЕНТСТВО
АККРЕДИТАЦИИ И РЕЙТИНГА»

INDEPENDENT AGENCY FOR
ACCREDITATION AND RATING

REPORT

on the results of the work of the external expert commission
for evaluation of compliance with the standards of specialized
accreditation of the educational program

6B08602 – Melioration, Recultivation and Land Protection
(reaccreditation)

7M08602 – Melioration, Recultivation and Land Protection
(reaccreditation)

6B08401 – Fishery and Industrial Fishing (reaccreditation)

7M08401 – Fishery and Industrial Fishing (reaccreditation)

KAZAKH NATIONAL AGRARIAN RESEARCH UNIVERSITY
in the period from December 7 to December 9 , 2020

INDEPENDENT AGENCY FOR ACCREDITATION AND RATING
External expert commission

Addressed to
IAAR
Accreditation Council



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2020

CONTENT

(I)	LIST OF SYMBOLS AND ABBREVIATIONS.....	3
(II)	INTRODUCTION.....	5
(III)	DESCRIPTION OF THE EDUCATIONAL ORGANIZATION	5
(IV)	DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCESS	8
(V)	DESCRIPTION OF THE EXTERNAL EXPERT COMMISSION VIZIT	13
(VI)	COMPLIANCE WITH THE STANDARDS OF SPECIALIZED ACCREDITATION	14
6.1.	<i>Standard "Management of Educational Program"</i>	14
6.2.	<i>Standard " Information Management and Reporting "</i>	17
6.3.	<i>Standard "Development and approval of the Educational Programme"</i>	20
6.4.	<i>Standard "On-Goig Monitoring and Periodic Review of Educational Programme"</i>	24
6.5.	<i>Standard "Student-Centered Learning, Teaching and Performance Evaluation"</i>	26
6.6.	<i>Standard "Students"</i>	29
6.7.	<i>Standard "Teaching Staff"</i>	37
6.8.	<i>Standard "Education Resources and Student Support Systems"</i>	42
6.9.	<i>Standard " Public Information"</i>	46
6.10.	<i>Standard "Standards in the context of individual specialties"</i>	48
(VII)	OVERVIEW OF STRENGTHS/BEST PRACTICES OF EACH STANDARD	50
(VIII)	OVERVIEW OF RECOMMENDATIONS ON QUALITY IMPROVEMENT.....	52
Appendix 1.	Evaluation table "Conclusion of the external expert commission" (EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing)	55

(I) LIST OF SYMBOLS AND ABBREVIATIONS

RK	The Republic of Kazakhstan
MES RK	Ministry of Education and Science of the Republic of Kazakhstan
NPJSC	Non-profit joint stock company
KAZNARU	Kazakh National Agrarian University
AC	Accreditation Council
HEI	Higher education institution
OE	Organization of education
IAAR	Independent agency of accreditation and rating
EEC	External expert commission
NQF	National Qualifications Framework
NSQ	National system of qualifications
SCES	State compulsory educational standards
SPDE	State program for the development of education
RLA	Regulatory legal acts
RI	Research Institute
IAS	Institute for Advanced Studies
AC	Academic Council
TS	Teaching staff
EMW	Educational and methodological work
RW	Research work
SRWS	Scientific research work of a student
QMS	The quality management system
ISO	International Organization for Standardization
CTE	Center for Teaching Excellence
EMCS	Educational and methodical complex of the specialty
EP	Educational program
MEP	Modular educational program
MC	Model curriculum
WC	Work curriculum
IC	Individual curriculum
AC	Academic calendar
GED	General educational disciplines
BD	Basic disciplines
MD	Major disciplines
CED	Catalog of elective disciplines
EMCD	Educational and methodical complex of disciplines
IWS	Independent work of the student
IWST	Independent work of a student with a teacher
IWUT	Independent work of the undergraduate with a teacher
SAC	State Attestation Commission
DL	Distance learning
DLT	Distance learning technologies
NUT	National Unified testing
ICT	Information and communication technologies
IL	Interlibrary loan
MM	Mass media
SGES	Secondary general education school
NIS	Nazarbayev Intellectual School
ED IFSAS	Executive Directorate of the International Fund for Saving the Aral Sea

UDCE
OSCE
ECTAS
ESG

United Directorate of Construction Enterprises
Organization for Security and Cooperation in Europe
European Credit Transfer and Accumulation System
Standards and Recommendations for Quality Assurance in the
European Higher Education Area

GPA
SWOT

Grade Point Average
Analysis-a method of strategic planning, which consists in
identifying the analysis of internal and external environmental
factors of the organization



(II) INTRODUCTION

In accordance with the order № 125-20-OD dated November 12, 2020 of the Independent Agency for Accreditation and Rating, from December 07 to December 09, 2020, an external expert commission assessed the compliance of the educational programs 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing of the Kazakh National Agrarian Research University to the standards of specialized accreditation of the IAAR (№ 10-17-OD dated February 24, 2017, fifth edition).

The report of the external expert commission contains the compliance of the activities of the Kazakh National Agrarian Research University within the framework of specialized accreditation with the IAAR criteria, recommendations of the external expert commission for further improvement of the parameters of the specialized profile.

The composition of the EEC:

1. Chairman of the IAAR Commission – Andrey Alexandrovich Bratsikhin, Doctor of Technical Sciences, Acting Rector of the Izhevsk State Agricultural Academy (Russian Federation, Udmurt Republic, Izhevsk);

2. Foreign expert IAAR - Belousov Alexander Valerievich, Candidate of Technical Sciences, Associate Professor of the Department of Exploration Geophysics and Computer Systems, Russian State University of Oil and Gas named after I.M. Gubkin (Russian Federation, Moscow);

3. Foreign expert IAAR - Livia Nistor-Lopatenco, Ph.Dr. in Engineering, Dean of the Faculty Constructions, Geodesy and Cadastre, Technical University of Moldova (Chisinau, Republic of Moldova);

4. Foreign expert IAAR - Ryadnov Aleksey Anatolyevich, Doctor of Biological Sciences, Professor, Corresponding Member Russian Academy of Natural Sciences, Volgograd State Agrarian University, expert of the Federal Accreditation Agency (Volgograd, RF);

5. IAAR expert – Nurabaev Daulen Myrzaevich, Ph.D., Associate Professor, Taraz Regional University named after M.Kh. Dulati (Taraz, Kazakhstan);

6. IAAR expert - Gulvira Sovetbekovna Akybayeva, PhD in Economics, Astana IT University (Nur-Sultan);

7. Employer IAAR – Pilipenko Yury Alexandrovich, Chairman of the Board of Directors, International Association of Producers of Goods and Services "EXPOBEST" (Almaty);

8. IAAR student - Bobkova Svetlana Sergeevna, 4th year student of the program "Finance", NPLC A. Baitursynov Kostanay Regional University (Kostanay);

9. IAAR student - Dinara Gabitkyzy, 2nd year student of the EP "Cadastre", International Educational Corporation, Representative of the Alliance of Students of Kazakhstan (Almaty);

10. Agency Observer – Kanapyanov Timur Yerbolatovich, PhD, Head of International Projects and Public Relations of the IAAR (Nur-Sultan).

(III) DESCRIPTION OF THE EDUCATIONAL ORGANIZATION

The Kazakh National Agrarian Research University was established in 1996 on the basis of two institutes: the Almaty Zoo Veterinary Institute, which was founded in 1929 and the Kazakh Agricultural Institute (1930). In 2001, by the Decree of the President of the Republic of Kazakhstan, Nazarbayev N.A. awarded the status of a National University. In 2010 the university began to transform into the National Research University and was awarded the status of an innovation-oriented university. KAZNARU has a state license № KZ42LAA00006720 dated March 25, 2016 for the right to conduct educational activities in the field of higher and postgraduate professional education (Appendix). NPJSC KAZNARU passed the procedure of

institutional accreditation in the ALE of the Kazakhstan Association for Engineering Education KAZSEE. Accreditation certificate № 1920 KE 0025 (12.06.2019-12.06.2024) (Appendix).

Today the university is: Republican educational and methodological center; Coordinator for the development of academic mobility (implemented through the Global Consortium, as well as projects and programs "Tempus", "Erasmus Mundus", "Bolashak", DAAD, FET and others); Member of the Global Consortium, which unites more than 300 agricultural universities in the world; Member of 8 international consortiums.

The University annually organizes International Summer and Winter Schools, the participants of which are scientists from partner universities in Europe, undergraduates from foreign and Kazakh universities. Evidence of an increase in the quality level is that in 2020 the university entered the top 600 world universities in the QS WUR ranking. In the Green Metric world ranking, the university is the national coordinator and ranks 96th.

KAZNARU operates the Agrotechnological HUB, the Kazakh-Japanese Innovation Center, the Innovative Scientific and Educational Center, which includes: the Kazakh-Korean Innovation Center, the Water Innovation Center (Water Hub), the Kazakh-Belarusian Innovation Center, the Center for Sustainable Agriculture, an innovative greenhouse, educational and scientific -research laboratories for training specialists within the framework of the state program of industrial and innovative development, Innovation and Consulting Center named after Tamshybayeva Zlikha Zhanbolatovna, N. Nazarbayev Center for Education and Science, Situation Center.

The contingent of university students as of November 01, 2020. The contingent of full-time students as of November 01, 2020 is in total 6958 people, of which: based on the state educational grant - 4548 Distance learning students - 542, Master students - 450, of which by state order 383; 218 doctoral students, 215 of them under the state order.

University staff. Personnel training is carried out by 783 teachers, full-time 682/101 part-time workers, of which 8 are academicians of the National Academy of Sciences of the Republic of Kazakhstan, 91 doctors and 261 candidates of science, 79 PhD doctors and 267 masters. The share of teachers with academic degrees and titles from the number of full-time teachers is 63.1%.

The contingent of students accredited by the EP as of November 01, 2020.

6B08602 – Melioration, Recultivation and Land Protection, 62 students, including in the state language - 59, of which: on the basis of a state educational grant - 60 people, on a commercial basis - 2, full-time education - 61 students, distance learning – 1 student;

7M08602 – Melioration, Recultivation and Land Protection - 8 students, including in the state language - 8, of which: on the basis of a state educational grant - 8 people, on a commercial basis - no, full-time education - 8 students, remote - no students.

The educational activities of NP JSC KAZNARU for all educational programs of undergraduate, graduate and PhD doctoral studies are carried out on the basis of a perpetual license (№ 12019394) issued by the Committee for Control in Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan on March 25, 2016.

Personnel training under the accredited educational programs 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection is carried out by the department "Water resources and reclamation", which is a structural subdivision of the faculty "Water, land and forest resources". Currently, according to accredited educational programs, study:

- according to the educational program 6B08602 – Melioration, Recultivation and Land Protection - 61 students;

- according to the educational program 7M08602 – Melioration, Recultivation and Land Protection - 8 undergraduates.

Training is conducted in full-time and distance forms in the Kazakh and Russian languages. The EP is implemented by the Department of Water Resources and Melioration by 35 employees: 7 - Doctors of Technical Sciences, professors; 4 - Ph.D., professors, 5 - Ph.D.,

associate professors, 2 - Ph.D., Ph.D., senior lecturers; 5 PhDs, senior lecturers, 6 masters, senior lecturers, 6 assistants and 5 teaching support staff. Degree is 70%. The average age is 45 years.

The department maintains close ties with production to organize the practice of students, undergraduates, doctoral students (educational hydrological, geodetic, industrial and undergraduate, research) and attract highly qualified specialists from production with the D.A. Kunaev, Kazgiprovodkhoz, Balkhash-Alakol BWM, with the Kazakh Research Institute of Water Management, with the "Institute of Geography" of the Ministry of Education and Science of the Republic of Kazakhstan, etc.

Educational programs of the department "Water Resources and Land Reclamation" annually participate in the National Ranking of Educational Programs. In the ranking of educational programs of universities in Kazakhstan, conducted by IAAR in 2020, EP 6B08602 – Melioration, Recultivation and Land Protection - 1st place, and EP 7M08602 – Melioration, Recultivation and Land Protection - 2nd place. "

According to the results of the ranking of educational programs of universities in Kazakhstan, conducted by Independent Agency for Quality Assurance in Education, the accredited programs took the following places:

- Melioration, Recultivation and Land Protection - 1st place, 2016, 2017, 2018;
- Melioration, Recultivation and Land Protection - 1st place, 2020;
- Melioration, Recultivation and Land Protection - 1st place, 2016, 2017, 2018;
- Melioration, Recultivation and Land Protection - 1st place, 2020

Students and undergraduates of accredited educational programs study on academic mobility in foreign universities. In 2016, 2 students studied at the University of La Salle Beauvais (France, Beauvais) according to EP 6B08602 – Melioration, Recultivation and Land Protection and 3 students in 2016-17 at the University of Pajajaran (Indonesia, Bandunge). In 2018, according to an accredited EP at the University. Alexandras Stulginskis (Lithuania, Kaunas) studied - 7 students and in 2019 at the University. Vytautas Magnus Academy of Agriculture (Lithuania, Kaunas) - 1 student.

According to EP 7M08602 – Melioration, Recultivation and Land Protection in 2018-19, 2 undergraduates studied at the University. Alexandras Stulginskis (Lithuania, Kaunas).

The main directions of research work of the department of the accredited EP:

- analysis and assessment of the risk of accidents of large hydraulic structures;
- management of water and land resources in the rice irrigation systems of Kazakhstan;
- development of a new type of pneumatic vacuum (airlift) pumping unit for lifting water from underground water sources using resource-saving technology and improving the quality of the lifted water;
- introduction of innovative water-saving technologies on irrigated lands of Zhambyl region;
- development of a system of water, chemical, biological, physical melioration to increase the productivity of water and land resources on irrigated lands in Kazakhstan;
- transboundary river basins of the Republic of Kazakhstan and China: scientific and applied foundations for sustainable water supply for the population and the economy in the context of climate change and economic activity for the period up to 2050;
- increasing the efficiency of water resources use in the rice irrigation systems of Kazakhstan.

Currently, the total amount of funded research work at the department is 21 million tenge.

Within the framework of the accredited study program, close interaction between graduates and employers has been established, which in turn contributes to the maximum employment of study program graduates and the creation of conditions for meeting the needs and interests of the region.

Graduates trained on the basis of contracts with organizations are sent to work in accordance with the terms of the contract. Some of the full-time graduate students studying on a state educational grant continue their studies in the master's and PhD doctoral studies and the rest

of the students after completing professional practice, are successfully employed directly on the basis of industrial enterprises. The employment rates of graduates according to the university monitoring data within the framework of accredited EPs according to the educational program 6B08602 – Melioration, Recultivation and Land Protection in 2018, 2019, 2020 are 73%, 78%, 84%, respectively. The employment of undergraduates who studied under the educational program 7M08602 – Melioration, Recultivation and Land Protection, in 2018-19 amounted to 100%, and in 2020 - 70%.

The development of the EP Fisheries and industrial fishing is carried out by the staff of the department "Apiculture, poultry farming and fisheries".

The qualitative and quantitative composition of the teachers of the department: As part of the department "Apiculture, poultry farming and fisheries": in 2020-2021, 10 teaching staff work, the percentage of degrees is 100%, of which: PhD. - 2, PhD - 1. The average age of the teaching staff in the department is 51 years.

Employment of graduates of the last three years on accredited EPs of the cluster:

- EP 6B08401 – Fishery and Industrial Fishing- 2017-2018 - 100%, 2018-2019 -100%, 2019-2020 - 100%;

- EP 7M08401 – Fishery and Industrial Fishing - 2017-2018 - 100%, 2018-2019 - 100%, 2019-2020 - 100%;

Academic mobility for accredited EPs of the cluster for the period 2015-2020: outgoing mobility:

7M08401 – Fishery and Industrial Fishing – 1.

Research, economic contract projects for the department in the context of accredited EPs of the cluster:

Implementation of research projects financed from the state budget:

Project theme	Years of implementation	Full name of scientific supervisors	Total amount of financing, thousand tenge.
Assessment of the state of biodiversity of caddisflies (Trichoptera) in water bodies of Kazakhstan	02.01.2015-31.12.2017	Alpeysov Sh.A.	13 617500
Development of effective technologies for the poultry industry	2018-2020	Alpeysov Sh.A.	45 000 000
Kazakhstan tilapia (Oreochromis Niloticus)	2019- 2021	Alpeysov Sh.A. Adakbek Karzhan	21 000 000

(IV) DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCESS

In accordance with the order of the Independent Agency for Accreditation and Rating No. 34-15-OD dated November 30, 2015, at the Kazakh National Agrarian Research University, an external expert commission assessed the conformity of educational programs 5B080500 Water resources and water use, 6D080500 Water resources and water use 5B081000 Melioration, Recultivation and Land Protection, 6M081000 Melioration, Recultivation and Land Protection, 5B081200 Energy supply of agriculture, 6D081200 Energy supply of agriculture, 6M071800 Electric power industry according to the standards of specialized accreditation of the IAAR (dated April 26, 2012 No. 0 0).

On December 24, 2015, by the decision of the Accreditation Council, educational programs were accredited for a period of 5 years.

The composition of the previous EEC:

1. Chairman of the Commission - Nasambaev Edige Gapuovich, Doctor of Agricultural Sciences, Professor, West Kazakhstan Agrarian and Technical University named after. Zhangir Khan (Uralsk);
2. Foreign expert – Velta Yanovna Parshova, Doctor of Economics, Latvian Agricultural University;
3. Foreign expert - Gabdrakhimov Kamil Makhmutovich, Doctor of Agricultural Sciences, Professor, Bashkir State Agrarian University, Ufa, (Bashkiria, RF);
4. Expert - Baigurin Zhaksybek Zhakupbekovich, Doctor of Technical Sciences, Professor Kazakh National Technical University. K. Satpaeva (Almaty);
5. Expert - Aubakirova Zhanar Yakhyaevna, Doctor of Economics, Professor, Kazakh National University. Al-Farabi (Almaty);
6. Expert - Shapkenov Bauyrzhan Kaydarovich, Ph.D., Professor, Pavlodar State University. S. Toraigyrov (Pavlodar);
7. Expert - Akylbek Muratovich Nurgaliev, Ph.D. in Economics, Associate Professor, West Kazakhstan Agrarian and Technical University named after Zhangir Khan, Department of Ecology and Nature Management (Uralsk);
8. Expert - Asangaliev Elibek Atrauovich, Academician of MAIL, Associate Professor, Candidate of Agricultural Sciences, East Kazakhstan State Technical University. D. Serikbaeva (Ust-Kamenogorsk);
9. Expert - Tugambayeva Salima Manatovna, Ph.D., Associate Professor State University. Shakarim of the city of Semey (Semey);
10. Expert - Nazym Sapargaliyzy Sapargaliyeva, Kazakh National University. Al-Farabi Associate Professor of the Department of Biodiversity and Bioresources (Almaty);
11. Employer - Mukataev Serikgali Mukhametkarimovich, Balkhash-Alakol water management basin (Almaty);
12. Student - Bektememesov Zholaman Maktagaliuly - KazNU named after. Al-Farabi, 2nd year undergraduate, MCM -2 group (Almaty);
13. Observer from the Agency - Aimurzieva Aigerim Urinbaevna, Project Manager of the Agency (Astana).

Based on the results of the EEC assessment, the following recommendations were given for EP 5B080500 Water resources and water use, 6D080500 Water resources and water use 5B081000 Melioration, Recultivation and Land Protection, 6M081000 Melioration, Recultivation and Land Protection, 5B081200 Energy supply of agriculture, 6D081200 Energy supply of agriculture, 6M071800 Electric power industry:

5B081000 Melioration, Recultivation and Land Protection, 6M081000 Melioration, Recultivation and Land Protection,,

According to the Standard "Management of the educational program"

- it is necessary to further improve the plans for the development of educational programs, to ensure a wider discussion of curricula with all subjects of the educational process, to improve the organization of independent work of students;

- improve plans for the development of educational programs for compliance with the current Strategies for the development of the university and faculties;

According to the Standard "Specificity of the educational program"

- to consider the possibility of conducting joint research with leading specialists of foreign universities in the areas of the EP cluster;

- increase the number of publications in high-ranking journals;

- improve work on the development of multilingual education at the undergraduate level, including creating conditions for students to choose a language for studying individual modules, as well as intensifying work to increase the proportion of teaching staff capable of teaching in English”;

- more widely develop joint educational programs with foreign universities and more actively involve Kazakh research organizations in the educational process;

According to the Standard "Teaching Staff and Teaching Effectiveness"

- increase the proportion of teaching staff involved in research activities and the implementation of scientific projects;

- develop a set of measures to increase the number of articles in journals with an impact factor;

- to increase the contingent of teaching staff with knowledge of foreign languages for lecturing;

- develop joint educational programs with foreign universities and more actively involve Kazakh research organizations in the educational process;

According to the Standard "Students"

- to intensify work on external academic mobility of undergraduates and the invitation of undergraduates from other universities.

- to intensify the participation of students in research activities;

According to the Standard "Resources, accessible educational programs"

- further improvement of the material and technical equipment of educational programs;

The recommendation has been implemented.

To implement the recommendations, the university developed an action plan. The results of the implementation of the planned activities are reflected in the Reports of IAAR experts on the assessment of the implementation of the recommendations of the EEC IAAR, formed based on the results of specialized accreditation EP 5B080500 Water resources and water use, 6D080500 Water resources and water use 5B081000 Melioration, Recultivation and Land Protection, 6M081000 Melioration, Recultivation and Land Protection, 5B081200 Energy supply of agriculture, 6D081200 Energy supply of agriculture, 6M071800 Electric power industry of the Kazakh National Agrarian University (stage 1 - December 2017), stage2 - January 2020), in the Report on the implementation of the recommendations of the EEC IAAR of the Kazakh National Agrarian University .

Post-accreditation monitoring of the activities of the Kazakh National Agrarian Research University was carried out as part of the action plan for the implementation of the recommendations of the EEC and was carried out in accordance with the requirements of the regulation on conducting post-accreditation monitoring dated December 26, 2011.

During the visit, EEC experts analyzed the recommendations implemented by the university.

Conclusions:

- According to EP 5B081000 Melioration, Recultivation and Land Protection and 6M081000 Melioration, Recultivation and Land Protection, the EP development plans were considered, developed, approved and put into effect in February 2020, students, teaching staff and employers were involved in the development of the curriculum, a catalog of elective disciplines, agreements on cooperation with foreign universities for the implementation of the program "academic mobility" (Uzbekistan, Tajikistan, RF, Lithuania, Slovakia), "invitation of leading scientists to give lectures from partner universities" (Belarus, RF, Lithuania), specialized enterprises, teachers of the Department of Water Resources and Melioration have published 6 articles in foreign publications included in the ThomsonReuters, Scopus database over the past 3 years, groups with multilingual education at the undergraduate level have been opened, some of the teachers of the Department of Water Resources and Melioration have taken foreign courses languages and received certificates Aldiyarova A.E., Abikenova S.M., Zhaparkulova E. D., Kalybekova E.M., Nabiollina M.S., Kozykeeva A.T., Moldybayeva N.I., cooperation agreements were concluded with leading specialized organizations, research work was carried out on 6 projects and annually participated in the pomegranate financing competition Ministry of Education and Science of the Republic of Kazakhstan, International winter and summer schools were held, 9 students studied in foreign universities on academic mobility, students annually

took part in the republican conference held at KAZNARU, the material and technical base of educational programs was equipped.

Recommendations of the EEC IAAR, formed by the results of specialized accreditation on EP 5B081000 Melioration, Recultivation and Land Protection and 6M081000 Melioration, Recultivation and Land Protection from December 2 to 4, 2015 were 13, of which 11 were implemented, not fully implemented 1 (to consider the possibility of joint research with leading specialists of foreign universities in the areas of EP cluster) and 1 is under implementation (to develop joint educational programs with foreign universities and more actively involve Kazakhstan research organizations in the educational process) according to the report of the IAAR expert on assessment of implementation of recommendations of educational programs. On this basis, we can conclude all the recommendations are largely fulfilled.

As a result of the EEC evaluation, the following recommendations were made for EP 5B080400- Fishery and Industrial Fishing, 6M080400- Fishery and Industrial Fishing:

According to the "Educational Program Management" Standard

-to develop cooperation with foreign universities that implement similar educational programs;

-to publish educational-methodical materials by the department staff in the state language;

- to improve the system of analysis of the implementation of developed plans and evaluation of the effectiveness and efficiency of the parties involved in the design and implementation of EP, taking into account the definition of external and internal risks.

-improve the work on the involvement of students, faculty and employers in the development of new trajectories of the educational program.

According to the Standard "Specificity of the educational program"

-to compare the content of education with foreign universities, to develop cooperation with leading universities of the Republic of Kazakhstan and foreign universities to develop joint educational programs, joint research, organization of academic mobility of students and employees of the department, further improvement of the competence system (learning outcomes) of educational programs based on monitoring the needs of the region in the competencies of graduates.

According to the Standard "Teaching staff and effectiveness of teaching"

- to develop and implement a long-term plan for the development of academic mobility of the university teaching staff, to consider opportunities for joint research with leading specialists of foreign universities in the areas of EP cluster, to increase the number of publications in highly ranked journals.

According to the students" Standard

-strengthen the work on the implementation of internal and external academic mobility of students; consider the possibility of professional certification of students in the field of specialization during training.

According to the Standard "Resources available to educational programs".

-Further improvement of the material and technical base of the university, the provision of educational and research laboratories; improve the methodological support of educational programs with educational and methodical literature in the state and English languages; expand the placement on the portal (website) at "Kazakh National Agrarian Research University" external publications (quotes, links) on the implementation of EP, intensify work to improve laboratory development programs.

According to the Standard "Standards in the context of individual specialties"

To implement the recommendations the university developed an action plan. The results of the implementation of planned activities are reflected in the Reports of IAAR experts to assess the implementation of the recommendations of the EEC IAAR, formed by the results of specialized accreditation EP 5B080400 - Fishery and Industrial Fishing, EP 6M080400 - Fishery and Industrial Fishing Kazakh National Agrarian Research University (Stage 1 (4-5 December

2017), Stage 2 (January 2020), in the Report of the implementation of recommendations of the EEC IAAR Kazakh National Agrarian Research University.

Post-accreditation monitoring of Kazakh National Agrarian University was conducted as part of the action plan to implement the recommendations of the EEC and was carried out in accordance with the requirements of the regulation on post-accreditation monitoring of 26.12.11.

In the course of the visit, the EEC experts analyzed the recommendations implemented by the university.

Conclusions:

EP 5B080400 - Fishery and Industrial Fishing and 6M080400 - Fishery and Industrial Fishing were reviewed, developed, approved, and put into effect in February 2020. Development plans of the EP, the identification and analysis of risks are carried out at the university level and are reflected in the strategic documents of the university (Strategy, risks) at the same time, the main risk of accredited educational programs was determined by the leadership of the EP a decrease of the contingent, large-scale career guidance work was carried out among graduates of schools and colleges, a plan for career guidance work of the department for 2016-2017 was developed and approved, the leadership of the EP visited schools and colleges of Talgar, Sarkand, Aksu districts of Almaty region, Shu district of Zhambyl region, etc. social surveys and questionnaires were conducted in various directions, namely the teacher through the eyes of the student, satisfaction (teaching staff to the university, students to create conditions for personal development and education, employers with the quality of graduate training, a student with the results of training), the "Regulations on the rating system for assessing the activities of teaching staff, departments, faculties" were developed (Decision of the Academic Council of NPJSC "KAZNARU", Protocol No. 3 of 31.10.2017 textbook for undergraduates (author Kairullayeva K.K.) was published, contracts were concluded with the Szent Istvan University (Hungary). Within the framework of international cooperation, the university annually holds winter and summer schools and invites leading experts to give lectures: PhD Soo Ki Kim (South Korea), Rakhimov Sh.T. (Tazhdikistan), Yuldashbayev Yu.A. (Russia), career guidance work among graduates has been intensified to ensure the contingent of students (holding an "Welcome Day", publication in the media, television appearances, participating in industry exhibitions), career guidance work was carried out among graduates of schools and colleges in different regions: Taldykorgan, Talgar, Sarkand districts of Almaty region, East Kazakhstan, Turkestan regions, monitoring of the demand for EP in the form of a questionnaire "Satisfaction of employers with the quality of graduate training" was carried out, on the basis of labor market research and the requests of potential consumers, educational trajectories were developed on EP 6M080400 - Fishery and Industrial Fishing "Use and protection of aquatic biological resources" and "Aquaculture", contracts were concluded with universities in Hungary, Poland, the Russian Federation (Western Hungarian University, University of Eastern Finland, Warsaw University of Life Sciences, FSBSI All-Russian Research Institute of Genetics and Breeding of farm animals, etc.), and also with universities of the Republic of Kazakhstan (State University named after Shakarim, D. Serikbayev East Kazakhstan technical university, S. Seifullin Kazakh Agro Technical University) within the framework of the external academic mobility of Zhaparova M on the EP "Fisheries and Industrial Fisheries" went for one semester to the University of Warmia Mazury (Poland), the Department Apiculture, Poultry Farming and Fisheries is working on the development of an educational program in the field of fisheries with the Szent Istvan University (Hungary), 13 articles have been published in the journals included in "Tomson Reuters" and "Scopus", students and employees of the departments visited English language courses for the opportunity to participate in academic mobility, at the Department of Apiculture, Poultry Farming and Fisheries purchased a hardware complex of GDV (gas-discharge visualization), 2 monoblocks, 1 computer and 3 MF were purchased.

In general, post-accreditation monitoring of KAZNARU activities on EP 5B080400 - Fishery and Industrial Fishing and 6M080400 - Fishery and Industrial Fishing showed that the recommendations given by the EEC are being implemented. The measures and actions taken

contributed to improving the quality of the educational process and the implementation of educational programs of the university. At the same time, there are some recommendations that require further action on the part of the university out of 11 recommendations, 6 recommendations have not been implemented or are at the stage of implementation - development of double-degree education programs with foreign universities at all levels of training, -joint research projects with foreign universities, - academic mobility of students, - development of educational and scientific laboratories, -development and publication of EML in English.

(V) DESCRIPTION OF THE EXTERNAL EXPERT COMMISSION VISIT

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission on specialized accreditation of educational programs to the Kazakh National Agrarian Research University in the period from 07 to 09 December 2020.

In order to coordinate the work of the EC on 06.12.2020, an introductory meeting was held, during which powers were distributed among the members of the commission, the schedule of the visit was clarified, and an agreement was reached on the choice of examination methods.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of self-assessment reports, online meetings were held with the acting rector, vice-rectors of the university in areas of activity, heads of structural divisions, deans of faculties, heads of departments, teachers, students, graduates, employers. A total of 147 representatives took part in the meetings (table 1).

Table 1 - Information about employees and students who took part in meetings with the EEC IAAR

Category of participants	Quantity
Chairman of the Management Board - Rector	0
Vice –Rectors	6
Heads of structural divisions	32
Heads of departments, heads of EP	4
Teachers*	24
Students*	64
Graduates*	10
Employers*	6
Total	147

During the online tour, the members of the EEC got acquainted with the state of the material and technical base, visited the Faculty of "Water, Land and Forest Resources", the laboratory for modeling hydraulic processes (room 701), the laboratory for the integrated use of water resources (room 702), the laboratory for the study of aerobic processes (room 703), the laboratory for geotechnical research" (room 704), the laboratory for hydraulic power plants, agricultural and pasture water supply (room 705), the laboratory for the use of renewable energy sources (room 706), the laboratory for land melioration, reclamation and protection of lands (room 707), the laboratory of hydraulic research of hydraulic structures (room 708) and laboratory of water quality control (room 709).

At the online meeting of the EEC IAAR with the target groups of KAZNARU, the mechanisms for implementing the university's policy were clarified and the specification of individual data presented in the university self-assessment report was carried out.

For the period of accreditation distance classes were attended: a distance lesson on the discipline "Agricultural water supply" on the topic "Facilities for water intake from underground sources" for students of EP 6B08602- " Melioration, Recultivation and Land Protection " of the MR-311P group, lecturer is assoc. professor Aldiyarova A.E. <http://bbb5.kaznaru.edu.kz/b/hpw-aky-hd2>.

During the work, the members of the EEC conducted online visits to the following practice bases: the branch of the D.Kunaev Big Almaty Canal of the RSE at the Kazvodkhoz REM of the Committee for Water Resources of the Ministry of Ecology, Geology and Natural Resources of RK; KAZ-AQUA LLP; Tengry fish LLP; the Aral Branch LLP FRPC.

In accordance with the accreditation procedure an online survey was conducted of 24 teachers, 64 students, including junior and senior students.

In order to confirm the information presented in the Self-Assessment Report, external experts requested and analyzed the working documentation of the university. Along with this the experts studied the Internet positioning of the university through the official website of the university <https://www.kaznaru.edu.kz/>.

As part of the planned program, recommendations for improving accredited educational programs of KazNARU developed by the EEC based on the results of the examination were presented at an online meeting with the management on 09.12.2020.

(VI) COMPLIANCE WITH THE STANDARDS OF SPECIALIZED ACCREDITATION

6.1. Standard "Management of Educational Program"

The evidentiary part

The university mainly defines and documents the procedures for assessing the quality of the EP. Educational programs 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing are carried out in accordance with the Charter of the University (approved by the order of the Chairman of the State Property and Privatization Committee of the Ministry of Finance of the Republic of Kazakhstan dated January 21, 2016, No. 54), The Strategic Development Plan of NPJSC KAZNARU until 2023 (approved at the meeting of the Academic Council of the University on January 18, 2019, Protocol No. 6), the development plan of the educational program for 2020-2024 (recommended at the Faculty Council on February 27, 2020, Protocol No. 6) and a series of documents defining the academic policy of the university.

The Commission notes that the Strategic Development Plan defines a long-term vision, which indicates that the educational activities of the university are aimed at implementing the goals and objectives of the national education system based on strengthening the spiritual and moral values of the National Patriotic Idea "Mangilik El" and correspond to the main directions of Kazakhstan's economic policy - the development of agricultural science and education.

NPJSC KAZNARU is reviewing the strategic objectives of the university taking into account changes in external factors, new key areas of state policy.

The members of the EEC were convinced that the university has developed a quality assurance policy aimed at continuous improvement of the educational process, research activities, and the implementation of innovative projects. This policy is based on the mission, vision and values of the university NPJSC KAZNARU monitors employers' satisfaction with university graduates.

The Commission made sure that the improvement of the university's activities is carried out through the QMS in accordance with ISO 9001-2015 standards. The University has implemented a quality management system since 2005 and cooperates with the Audit Company "Russian Register".

The KAZNARU Code of Corporate Ethics was adopted at the University in the Kazakh and international educational space in 2018 (https://www.kaznaru.edu.kz/page/all_links/HR).

The university conducts internal audit through monitoring the implementation of work plans of structural units, sociological surveys, monitoring studies of the quality of students'

knowledge. However the university does not always and insufficiently ensure the awareness of stakeholders and transparency of the content of the main strategic documents and development plans of the EP.

Prospective and strategic issues of the development of the EP are resolved taking into account the opinions of students, teachers, university employees and employers (Minutes of the department meeting № 12 dated April 28, 2017).

The process of forming the development and management plan of the EP is transparent, not only teachers of the department but also employers take part in its preparation. When approving the EP, they are coordinated by representatives of employers who also participate in their implementation.

Production workers participate in the process of reviewing the content of the EP at the meetings of the department, prepare their reviews and propose topics of relevant elective courses which are included in the EP as a result of general discussion. For example, the head of the MES of the State Institution "Kazselezashchita" G. Kudzhibayeva in a review of the educational programs of the department "Water Resources and Land Reclamation" EP 6B08601 – Water resources Management and EP 6B08602 – Melioration, Recultivation and Land Protection, suggests including the discipline "Life Safety" in the catalog of elective disciplines (see appendix EP 6B08602 – Melioration, Recultivation and Land Protection).

In the 2019-2020 academic year for the irrigation program 6B08602 – Melioration, Recultivation and Land Protection on the recommendation of employers the disciplines "Operation of reclamation systems and automated control systems in reclamation" and "Reclamation of disturbed lands" were introduced in the CED, and for the irrigation program 7M08602 - "Melioration, recultivation and land protection" – "Information technologies for the design of reclamation systems. Working curricula of specialized disciplines have been approved by employers such as MES of the State Institution "Kazselezashchita", "Balkhash-Alakol basin inspection", the D.Kunaev Big Almaty Canal, etc." (Minutes of the meeting of the Department "Water Resources and Reclamation № 11 dated 06/16/2020).

The educational programs 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection were coordinated by the Chief Engineer of the projects of the Kazgiprovodkhoz Institute B. S. Botantayeva and the head of the ROC of the State Institution "Kazselezashchita" G. Kudzhibayeva (Protocol № 4 of the UMSU dated 19.03.2019) and approved by the Academic Council of the University (Protocol № 9 of April 30, 2019).

EP 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing are annually examined with the participation of the Department of Academic Affairs of the University. The meetings are attended by employers, students and external experts to discuss the content of the EP, which is reflected not only in the reports of the Department, but also in the reports of the department meeting which develops corrective and preventive actions on comments and inconsistencies.

Accredited EP is consistent with the mission of the university and the relevant requests of employers. The planning of the educational process is represented by the structure of interrelated documents (standard curricula, CED, basic working curricula, individual student curricula, working curricula) and a complex of various types of educational and methodological documentation. For the implementation of the EP catalogs of elective disciplines are being developed, which describe the disciplines of the component of choice indicating a brief content, pre- and post-requirements.

The survey of teaching staff conducted during the visit of the EEC IAAR showed that the involvement of teaching staff in the process of making managerial and strategic decisions is very good and good are 25.0% and 75.09%, respectively, answered "Relatively bad" 0.0%.

On the basis of meetings, conversations and interviews with vice-rectors in areas of activity, deans and heads of departments, heads and employees of structural divisions, faculty, students, graduates and employers the EEC IAAR notes the distribution of staff duties and the

differentiation of functions of collegial bodies involved in the implementation of the EP.

Analytical part

The Commission notes that the mission, goals and objectives of the University correspond to the goals and objectives of the national education system and the development of the country. The mission of the university is to create conditions for the formation of a competitive specialist in demand in the agro-industrial complex and the global scientific and educational space, as well as for the development of a socially-oriented, highly cultured and tolerant personality (<https://www.kaznaru.edu.kz>).

In order to maintain the mission, vision, objectives and development of a quality culture, the University discussed and adopted a Quality Assurance Policy (approved by the decision of the Rector's Office № 1 of August 31, 2019).

The development and dissemination of the University's Policy are provided by the Strategic Development Department. The policy is approved by the decision of the University Administration. The policy is posted on an open resource – (https://www.kaznaru.edu.kz/page/strategiia/?link=smzh_protcedurasy_474&lang=ru). The University has a documented procedure "Development and approval of a Quality Assurance Policy".

The results of the study of documentation, meetings, conversations and interviews showed that the university implements joint/double-degree education only in the EP 7M08602 – Melioration, Recultivation and Land Protection within the framework of accredited EP.

Also, the university has not demonstrated the existence of an innovation management process, analysis and implementation of innovative proposals.

The mechanism (or procedure) for selecting interested persons to participate in the formation of an educational program development plan is insufficiently defined within the accredited educational institutions. The uniqueness and individuality of the EP development plan and its consistency with national development priorities and the development strategy of NPJSC KAZNARU, as a research university, are not sufficiently detailed.

The strategic development plan of NPJSC KazNARU until 2023 complies with the current legislation of the Republic of Kazakhstan in the field of education and science, strategic and program documents adopted at the republican level.

The EEC confirms the existence of Plans for the development of educational programs, which makes it possible to ensure the synchronous development of various educational programs in the context of the Strategic Development Plan of the university. However, the EEC notes the need to specify the indicators of strategic planning in the context of directions and time intervals. The Strategic development Plan of NPJSC KazNARU (minutes of the meeting of the AC №6 dated 18.01.2019), which regulates the principles of the development of the University's EP, is not such in its content.

Mechanisms for the formation, revision, monitoring and implementation of the development plan of the EP have not been defined; at the same time, experts have revealed that transparency and awareness of the processes of forming the employers' EP are not always ensured.

The experts were convinced of the consistency of the strategic goals of the university, the adequacy of the mission, vision, strategy to the available resources: financial, information, material and technical base.

The formation and management of the accredited educational program is carried out on the basis of scientifically based approaches to planning, methodological support, and learning technologies. The implementation of the EP complies with the legislation of the Republic of Kazakhstan in the field of education, including the SCSE of the Republic of Kazakhstan (see the list of abbreviations and designations). The EP is implemented in accordance with the mission, vision and Strategic Development Plan of the university. The quality assurance policy reflects the relationship between scientific research, teaching and learning.

The quality management system of NPJSC KazNARU is certified for compliance with the ST RK ISO 9001-2015 - "QMS. Requirements".

Based on the results of interviewing, familiarization with various documentation, material and technical base and information and methodological resources of the university and departments, questionnaires of students and teaching staff, the EEC IAAR notes the need to improve the material and technical base of providing EP through the use of equipment and software used in economic sectors, strengthening work to improve the level of research on EP (currently the number of funded research works at the department is only 1), and the implementation of a joint two-degree education on 6B08602 – Melioration, Recultivation and Land Protection

The analysis of the educational program "Fisheries and industrial fisheries" is carried out. To train specialists in the profile of the department an EP analysis is carried out annually with the correction of the disciplines of the component of the choice of 12%, having coordinated them with employers. In the 2015-2016 academic year the EP was revised and approved on 11.06.2016, in the 2016-2017 academic year on 30.03.2016.

The members of the commission note that representatives of employers (RPCF, Irada-Balyk LLP, Kazakhstan Agency of Applied Ecology) take part in the development of educational programs.

Strengths / Best practice:

- according to this standard, it has not been revealed.

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing

- The management of the EP, by September 1, 2021, should work out a mechanism for revising the Development Plan of the EP and monitoring its implementation, indicating the timing of its implementation and updating the EP as well as determine indicators for achieving training goals, meeting the needs of students, employers and society, indicating the timing of its implementation and updating the EP.

- the management of the EP in the period up to October 1, 2021 to allocate in a separate section in the development plan of the EP a description of the uniqueness and individuality of the EP and its development plan; - the management of the EP to develop a comprehensive plan for holding seminars and introducing innovative proposals into the educational process by October 1, 2021.

Conclusions of the EEC by criteria:

According to the standard " Management of Educational Program ", 17 criteria were disclosed of which accredited educational programs: 14 of them have satisfactory positions and 3 suggest improvement.

6.2. Standard " Information Management and Reporting "

The evidentiary part

The information collection, analysis and management system of NPJSC KAZNARU is based on the use of information and communication technologies and software. To manage information, the official website of the university is used [http:// www.kaznaru.edu.kz](http://www.kaznaru.edu.kz) ., and to increase the level of transparency of the educational process, the quality of educational services, awareness of trainees on the issues of conducting the educational process of AIS "Platonus".

To implement the activities of EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection the following information systems are used: Schedule of classes [http://www.kaznaru .edu.kz/page/schedule/](http://www.kaznaru.edu.kz/page/schedule/),

scientific library <http://library.kaznaru.kz/new/>, Electronic dormitory <https://www.kaznaru.edu.kz/> campus <http://plagiat.kaznaru.edu.kz>, anti-plagiarism <http://www.kaznaru.edu.kz/page/manager/>, event management system event-manager <http://itserv.kaznaru.edu.kz>, "itservice" system <http://www.kaznaru.edu.kz>, tamos university suite distance learning system. the website of the agricultural research and production consortium also functions (<http://agrodamu.kz>).

There is a rector's blog on the website of NPJSC KAZNARU <http://www.kaznaru.edu.kz>, which is monitored once a month. feedback is provided by the university management with students, their parents, employees and teaching staff of the university, employers, and members of the public.

The members of the EEC were convinced that the following documents are used in the management of the main processes (educational, methodological, scientific, educational) for the implementation of the goals of EP 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing decisions of collegial governing bodies (Faculty Council, Academic Council, Rector's Office), orders of the rector and orders of vice-rectors in areas of activity, documents for students, planning, analytical, accounting, financial and accounting documents.

The Commission found that the University publicly, on the website, provides and regularly publishes unbiased and objective information (quantitative and qualitative) about the educational programs implemented at the University, including on EP 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing as well as the results of the University's activities. https://www.kaznaru.edu.kz/page/university/?link=universitetin_missiiasy_179&lang=r u.

There is a process of involving students, employees and teaching staff, employers in the processes of collecting and analyzing information as well as making decisions based on them (questionnaires on topical issues and data monitoring).

The university's regulatory documents are freely available and access to information on the management, planning and implementation of the EP is carried out.

The properties and characteristics of the information collected and processed are determined by the mission of the university and are aimed at finding the most effective and efficient methods and ways to improve the quality of educational and related services provided as well as improving the level of social conditions of employees and students. The university has responsible persons responsible for the reliability of information, timely informing the structural units of the university and the teaching staff.

Annual sociological surveys of students, teachers and university staff are one of the tools for analyzing the activities of the departments of NPJSC KAZNARU, assessing their effectiveness. For example, in the 2018-2019 academic years according to the results of the questionnaire "Are you satisfied, in general, with extracurricular activities and areas of education implemented at the university" 47% of respondents answered positively, 18% of them were more satisfied with the work being done, 14.7% of respondents answered negatively, 12.4% were not satisfied.

In all departments of the university office work is carried out in accordance with the approved nomenclature of cases, the preservation and archiving of documents is ensured, work is underway to switch to electronic document management. Structural departments, halls of electronic resources of the university are connected to the Internet. The University provides free access for teachers and students to the Internet and Wi-Fi on the university's territory, covering 75% of the university's territory.

To assess the organizational structure and management system of the University and the implementation of corrective actions, reports of heads of structural divisions, questionnaires, audits, surveys are used. The assessment is carried out in all areas of educational, methodical, informational, scientific, educational activities and material and technical support of the educational process. The University is doing some work on the collection and analysis of

statistical data on the contingent of students and graduates, information on the level of satisfaction with the quality of the development of educational programs by employers.

The management provides communication and exchange of information at the university by: distribution of organizational and administrative documentation, decisions of the Academic Council, the Rector's Office and other types of documentation, including receptions on personal and official issues; business correspondence (memos, explanatory notes); visual information materials, scientific and methodological publications and articles in the central and local press; placement of information on information stands and the university website. Students, employees and interested persons can apply personally to the heads of departments, vice-rectors, rector at a specially designated time. Suggestions and recommendations can be made during the meetings of collegial bodies which include students and teachers.

The results of the survey conducted by the EEC IAAR of students and teaching staff on this issue indicate that:

- students showed high satisfaction with the usefulness of the website of educational organizations in general and faculties in particular: "Fully satisfied" - 59.4%, "Partially satisfied" - 29.7%, "Not satisfied" - 3.6%.
- The staff is satisfied with the level of feedback from the management: "Very good" are 33.3%, "Good" - 66.7%, "Relatively bad" - 0%.
- teachers highly appreciated the level of involvement of teaching staff in the process of making managerial and strategic decisions: "Very good" - 25.0%, "Good" - 75.0%, "Relatively bad" - 0.0%.

Analytical part

The information collection, analysis and management system of NPJSC KAZNARU is based on the use of information and communication technologies and software. For information management, the university's educational portal is used where the university's regulatory documents are located and access to information on the management, planning and implementation of the EP is carried out. The process of involving students, employees and teaching staff in the processes of collecting and analyzing information, as well as making decisions based on them, has been established.

The information system related to the quality of education at the university captures: the level of student achievement; the demand for graduates in the labor market; student satisfaction with the quality of the implementation of the EP; teaching efficiency; availability of learning resources; monitoring performance indicators of the department. The information system related to the quality of education at the university captures: the level of student achievement; the demand for graduates in the labor market; student satisfaction with the quality of the implementation of the EP; teaching efficiency; availability of learning resources; monitoring performance indicators of the department.
https://www.kaznaru.edu.kz/page/obrazovanie/?link=akademiiayk_kuntizbe_bakalavriat_1095&.

Evaluation of the effectiveness and efficiency of the implementation of educational programs is due to the feedback provided by employers, petitions, expansion of the practice base, etc. which make up an automated database of reviews, petitions, expert opinions on accredited EP on the implementation of the practical component
https://www.kaznaru.edu.kz/page/department/?name=ara_kus_zhane_balyk_sharuashylygy&var=tazhiribeler_bazasy_1179&lang=ru).

Information protection at the university consists in the fact that activities aimed at preventing leakage of protected data, unintentional and unauthorized impacts on protected data. The university has an access control and accounting system (ACS) <http://skud.kaznaru.edu.kz>, a complex of software and hardware hardware, consisting of the PERCo checkpoint system, a network security system that allows you to protect employees from

threats from the internet TMG Forefront and the "Network Administration and Information Security group" which constantly monitors attacks to information.

The members of the external expert commission of the IAAR stated that the university has not identified the indicators and criteria for evaluating the effectiveness and efficiency of the EP. The survey of teaching staff and employees is conducted annually and includes a study of the level of satisfaction of teaching staff and employees with working conditions, prospects for professional development and the administrative management of the university.

The survey of students about their satisfaction with the conditions of study is conducted annually in order to study the opinions of students regarding the quality of educational and administrative services of the university.

The procedure for obtaining consent to the processing of personal data is agreed in accordance with the documented procedures of the QMS of the University. The conversation of the experts of the EEC IAAR with the teaching staff and employees indicate the absence of documentary consent to the processing of personal data.

There is not enough information on the university's website about the creative activities of students and teaching staff, scientific and creative projects, etc.

Strengths / Best practice:

- according to this standard, it has not been revealed

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- the management of the EP to develop indicators and criteria for evaluating the effectiveness and efficiency of the EP and systematize them in the development plan of the EP by 01.09.2021.

Additional recommendations for 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- The heads of the educational institution should supplement the university's website with information about the educational program regarding the creative activities of students and teaching staff, scientific and creative projects by October 1, 2021.

Conclusions of the EEC by criteria:

According to the standard " Information Management and Reporting ", 17 criteria were disclosed of which accredited educational programs: 16 of them have satisfactory positions and 1 suggest improvement.

6.3. Standard "Development and approval of the Educational Programme"

The evidentiary part

The development of educational programs 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection is carried out at the Department of "Water Resources and Land Reclamation" of NPJSC KAZNARU independently in accordance with the National Qualification Framework, industry qualification framework and professional standards based on Dublin descriptors, the requirements of the SES and other regulatory legal acts of higher and postgraduate education in accordance with the academic policy of the university, approved on 27.11. 2018, st. No. 4.

EP 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing corresponds to the basis of the mission of the University - the training of highly qualified agricultural personnel who make a professional contribution to the development of the human

capital of the country.

Accredited educational institutions provide students with academic knowledge, key and professional competencies that affect their personal and professional development.

The staff of the department, students, and strategic partners – employers, heads of practices participate in the development of the EP and includes the following stages of the formation of the EP:

- analysis of labor market needs;
- formation of the goals and objectives of the educational program;
- formation of the graduate's model (attributes): competencies, expected results, as well as assessment technology;
- drawing up a map of the planned learning outcomes;
- development of a working curriculum;
- compilation and approval of the catalog of elective disciplines.

The EP developed at the department is reviewed by the teaching and methodological commission of the faculty and the teaching and methodological Council of the university. The approval of the EP by the rector is carried out at a meeting of the Academic Council of the University.

The purpose of the educational program EP 6B08602 – Melioration, Recultivation and Land Protection is to train personnel who have skills in the design, construction and operation of structures of reclamation systems, water and hydropower facilities, pumping stations, management of hydro-reclamation systems, technological techniques for operational management of water and other soil regimes.

The purpose of the educational program EP 7M08602 – Melioration, Recultivation and Land Protection- training of personnel capable of conducting research activities, solving standard scientific tasks; to carry out educational and pedagogical activities on credit technology training, proficient in teaching methods of professional disciplines; the use of modern technologies in the educational process.

The objectives of the bachelor's and master's degree educational programs are consciously defined, expected results; this is a description of the system of knowledge, skills, skills and competencies that a student should master based on the results of mastering the EP. The refore all disciplines of the educational program are aimed at the formation of certain competencies that allow achieving the goals of the program, the planned learning outcomes.

The EEC has received evidence that employers are involved in the formation of the EP: proposals are being made for the introduction of new practice-oriented elective disciplines; work programs of specialized disciplines are being coordinated; the content of training courses is being supplemented; the issue of partial transfer of classes to production is being resolved; the topics of course and diploma projects commissioned by employers; the participation of employers-practitioners in the teaching of individual courses and disciplines. For example, when compiling the catalog of elective disciplines, such organizations as "Kazgiprovodkhoz" and "Balkhash-Alakol BWM for regulating the use and protection of water resources", "Kazselezashchita" of the Ministry of Emergency Situations of the Republic of Kazakhstan participated (pr №. 9 of April 30, 2019).

The introduction of new disciplines has increased the interest of students in learning, contributed to the formation of students' competencies that are in demand in the labor market.

Particular importance in the development and approval of the EP is attached to the definition of places of practice and possible employment. Attaching great importance to the practical training of students, the department conducts sufficient work on the organization and conduct of professional practices, on the selection of practice bases, its methodological support, guidance and control. The professional growth of students as future competitive specialists depends on the effectiveness of the organization and consistency of all levels of practice. Each stage of practice is the final stage of training in the corresponding course and serves as the basis for the student's transition to the next level of training.

Professional practice in the accredited EP is carried out according to the document "Rules for the organization and conduct of professional practice and rules for determining the organization as bases of practices", approved by Order of the Ministry of Education and Science of the Republic of Kazakhstan № 107 dated January 29, 2016. It describes all the processes and criteria for passing various practices. Based on this, the bases of practices were selected and contracts were concluded with the following enterprises: "Kanysh Satpayev Canal", RSE "Kazvodkhoz", LLP "Kaskelen experimental farm", LLP "Bayserke-Agro", PC "Kazgiprovodkhoz", Balkhash-Alakol basin inspection, LLP "Kazgiprovodkhoz", LLP "Kazakh Scientific Research Institute of Water Management", Municipal Enterprise of Water Management on the right of Economic Management "Talgairrigatsiya", Institute of Geography, LLP "Bayserke-Agro", SCE on the REM "Almaty Su".

In accordance with the State Educational Standard of the Republic of Kazakhstan (Order № 1080, 23.08.2012, Order with amendments and additions No. 292, dated 13.05.2016), the curriculum maintains the ratio of the volume of disciplines cycles: educational program 6B08602 – Land melioration, recultivation and land protection: 1 cycle – Mandatory modules of general education disciplines aimed at the development of the general intellectual level (28 credits or 50 credits for ECTS are allocated for the study of these disciplines), 2 cycle - basic disciplines (69 credits or 130 credits for ECTS, of which 20 credits – for compulsory disciplines or 36 ECTS credits, 49 credits – elective disciplines or 94 ECTS credits), cycle 3 – profile disciplines (32 credits or 56 ECTS credits, of which 5 – for compulsory disciplines or 9 ECTS credits), 27 credits – for elective disciplines or 47 ECTS credits. cycle 2-3 are aimed at the formation of professional competencies, the development of creative potential, increasing the level of competitiveness of graduates.

At the bachelor's level (6B08602 – Melioration, Recultivation and Land Protection), the key competencies necessary for professional activity are being mastered (the ability to work with information, engage in communication, knowledge of the socio-legal foundations of individual behavior in society, etc.) and basic competencies reflecting the specifics of a certain professional activity to a level that allows them to be applied in standard situations (competence in the design, construction and operation of reclamation, water management facilities, the ability to put forward and defend arguments, solve problems in their field of study).

At the master's level (7M08602 – Melioration, Recultivation and Land Protection) - the professional competencies formed in the bachelor's degree are expanding and deepening (the ability to develop new methods, approaches and procedures for managing the volume and quality of work performed by them, the willingness to fully bear responsibility for the safety of hydraulic structures, and others). The magistracy prepares scientific personnel capable of carrying out teaching and research activities. The conceptual basis and objectives of the master's degree are based on the idea of continuity and continuity of the stages of the educational process, the mutual permeability of educational programs. Qualifications that mean completion of the second level are assigned to students who have the ability to integrate knowledge, cope with difficulties, build, clearly and clearly convey their conclusions.

The educational and methodological support of educational programs includes the educational and methodological complex of the specialty (EMCS) which includes a Modular educational program (MEP), a working curriculum (WC), a catalog of elective disciplines (CED), which describes the disciplines of the component of choice with brief content, pre- and post-requirements and educational and methodological complexes of disciplines (EMCD) which includes methodological recommendations on various types of educational activities (ISS, practice, etc.).

EMCS documents are developed by the faculty of the department in accordance with the provisions (Regulations on the development of EMCD, MEP, CED) and discussed at a meeting of the department.

The following foreign universities have signed agreements and memoranda in the direction of accredited educational programs at the university:

- joint EP on the implementation of two-degree education with the Warsaw University of Life Sciences (Master's degree);
- joint EP for the exchange of students on academic mobility with the Alexandras Stulginskis University (Lithuania, Kaunas);
- joint EP for the exchange of students on academic mobility with Brest State Technical University (Belarus, Brest);
- cooperation agreement between the Department of "Water Resources and Land Reclamation" (Kazakhstan, Almaty) and the Department of "Operation of Hydro-reclamation Systems" by the Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (Uzbekistan, Tashkent);
- agreement on cooperation in the field of education, science and culture with the Kyrgyz National Agrarian University named after K.I.Skriabin (Kyrgyzstan);
- academic cooperation agreement with the Federal State Budgetary Educational Institution of Higher Education "Russian State Agrarian University - Moscow Timiryazev Agricultural Academy (RF);
- agreement of cooperation between Kazakh national agrarian research university and Slovak university of agriculture in Nitra.

The survey of the teaching staff conducted during the visit of the EEC IAAR showed that:

- The teaching staff believes that the university management pays attention to the content of the EP on "very good" - 91.7%, on "good" - 8.3 %;
- The teaching staff notes that in terms of the content and quality of the implementation of the educational program, it meets the expectations of the market and employers by "very good" - 54.2%, by "good" - 45.8%.

The results of the survey of students on the issue of support of educational materials in the learning process: "fully satisfied" - 73.4%, "partially satisfied" - 24.4%, "partially dissatisfied" - 0.0%, "not satisfied" - 2.0% and I find it difficult to answer - 2.4%.

Analytical part

The university has defined and documented the procedure for assessing the quality of the EP, developed the structure of the educational program. The conditions of the organization and conduct of professional practice are demonstrated.

Taking into account modern professional requirements, the needs of the labor market and the proposals of employers, the content of the EP is being revised; however, employers do not always participate in the development of the EMCD.

The university has joint educational programs with foreign educational organizations for the master's degree, and for the bachelor's degree, interaction with international organizations is carried out only within the framework of academic mobility.

The experts noted the absence in the description of the graduate's models of EP competencies that determine leadership qualities, teamwork skills and the development of foreign language communication; the absence of students and undergraduates of foreign universities studying academic mobility in NPJSC KazNARU according to accredited educational programs.

In the framework of cooperation with foreign universities over the past three years, only Professor of the Department E.D. Zhaparkulova of the Warsaw University of Life Sciences has been invited to lecture. In addition, there is no connection between the activities of the practice base and the individual educational trajectory of the student when concluding contracts for professional practices.

The base of key and professional competencies is compiled and updated annually by the Working Group on the development of the EP. The working group is formed from among the leading scientists, practitioners in the areas of their training, students and employers.

The procedure for the development and approval of the EP corresponds to the main provisions of the legal and regulatory documents of the Republic of Kazakhstan in the field of

higher and postgraduate education and ESG (2015). The procedures for the development and approval of the EP are described in a special Provision.

The results of the study of documentation, meetings, interviews and questionnaires showed that joint educational programs are not implemented according to EP 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing

Strengths/Best practices:

- the university has developed educational programs in all directions, where the labor intensity in ECTS is determined, as well as the qualification for completing the EP is determined;
- the qualification obtained after the completion of the educational program is determined and brought to compliance with a certain level of the NQS, General Classifier of types of Economic Activity of the of the Civil Code of the Republic of Kazakhstan and the PS.

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- heads of educational programs until October 1, 2021 to develop and include in the description of the model of graduates of softskills competencies;

Additional recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- The heads of the EP should develop a joint educational program with domestic and/or foreign educational organizations.

Conclusions of the EEC by criteria:

According to the standard "Development and approval of the Educational Programme", 17 criteria were disclosed of which accredited educational programs: 2 strong and 10 satisfactory positions.

6.4. Standard "On-Goig Monitoring and Periodic Review of Educational Programme"

The evidentiary part

Monitoring and periodic evaluation of educational programs 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing are aimed at achieving the goals of the EP, the full formation of the planned learning outcomes.

KAZNARU has defined its own requirements for the format of monitoring and periodic evaluation.

The analysis of monitoring procedures and periodic evaluation of the educational program of accredited specialties is carried out on the basis of: analysis of curricula, catalog of elective disciplines, individual program plans of students, internal regulatory documents regulating the implementation of educational programs, their monitoring and evaluation; protocols of collegial bodies and meetings of departments; questionnaires of students, teaching staff and interested parties; results of observations of the activities of support services.

Monitoring of students' academic performance and academic achievements is carried out through the "Platonus" system. This system provides the functions of registration of academic achievements of students through an electronic journal (grades on the boundary, final control, practices, research and development, state exams).

The survey of students is conducted at the University on an ongoing basis in order to clarify the quality of educational services, to identify the degree of satisfaction of students with the quality of the disciplines taught (the quality of teaching lectures, seminars and laboratory classes, the quality of tasks and time to complete them, educational and methodological support)

and to receive student proposals in this area. The survey is planned to be conducted twice a year on the resource <https://docs.google.com/forms/d/e/1FAIpQLScNz-WZgC5jPWZZsqUYDYSkZ5Sc5QnO79LlmHHaq4CBbaOjIw/viewform>. <https://docs.google.com/forms/d/e/1FAIpQLSexandUig7tuqbi7yl3b6bLbQUnpcONTSWnxSw0WhStdKx3Q/viewform> in Kazakh, Russian, and English.

The management of the EP carried out a revision of the content and structure of the educational program taking into account changes in the labor market, the requirements of employers and the social request of the company and approved at the meetings of the AC KAZNARU (Pr. № 9 of April 30, 2019).

Analytical part

The minutes of the meetings of the department and methodological councils do not sufficiently reflect how the results of monitoring and periodic evaluation of the EP affect the continuous improvement of the EP.

The Commission notes that monitoring of the state of the educational environment of students is carried out during the academic year. It is also possible to trace information about the fixation of learning outcomes in the automatic information system "Platonus", where critical assessments of students are visible, and there is also a support service for compliance with the goals of the educational program which helps to analyze the situation during the educational process: office registrar, adviser, curator, deans, head of the department. Many topics of theses and master's theses of students on accredited educational program 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing are also related to the topics of scientific projects where the leaders and performers are the teaching staff of the department. The review of the final work is carried out by external experts from other organizations and only by qualified specialists in the profile of the protected work. Reviewers of degree/master's theses are approved by the order of the rector. Internal assessment of the quality of education is provided through monitoring, periodic evaluation and revision of the EP at the meetings of the department, the Academic Council of the Faculty, the Methodological Council of the University, the Academic Council of the University.

External quality assessment of EP 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing is carried out through the final state certification of students, institutional accreditation of the university as well as participation in national ratings of the EP. Participation in national, international and educational program ratings – allows to identifying the strengths and weaknesses of activities and further work on improvement. The results of the accreditation and rating are available to all interested parties published in the media and posted on websites https://www.kaznaru.edu.kz/page/strategiia/?link=universitet_reitingisi_463&lang=ru).

All proposals of students and other stakeholders are reflected in the minutes of the extended meeting, the changes made are reflected in the EP, CED and EMCD. Proposals concerning the work of support services are sent to the relevant structural units of the University.

The reviews of employers of the Almaty region as well as business communities note the good preparation of graduates accredited with the Educational program, the rapid development of new methods of work, a creative approach to work, the desire to study innovations, the application of existing skills and abilities in professional activity.

There is not enough information in the department's documents about monitoring the progress of students: how the student's progress is determined, in which documents it is reflected.

There is no confirmation of how the university guarantees that the activities performed by students during practice correspond to the upcoming professional activity.

In the minutes of the meetings of the department and methodological councils, there is no information and specific examples of changes made to the EP as a result of monitoring.

There is no information about the mechanism for informing all interested parties about any planned or taken actions in relation to the EP.

There is no information about the changes made to the Educational program, as well as about the publication of such information.

Strengths / Best practice:

- according to this standard, it has not been revealed

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- by October 1, 2021, the heads of the EP should ensure that information on any planned or taken actions regarding the Educational program and Educational program after making changes to them, while maintaining the previous editions is posted on the official website.

Conclusions of the EEC by criteria:

According to the standard "On-Going Monitoring and Periodic Review of Educational Programme", 17 criteria were disclosed of which accredited educational programs: 10 satisfactory positions.

6.5. Standard "Student-Centered Learning, Teaching and Performance Evaluation"

The evidentiary part

The implementation of educational programs 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection within the framework of student-centered learning takes into account the personal characteristics and needs of students with an emphasis on independent activity, the process of increasing personal responsibility for learning outcomes.

One of the common methods of involving students in the development of Educational program 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing is to identify the opinion of students about the results of training. The survey is conducted twice a year (a survey of students to identify the degree of satisfaction with the quality of educational services provided and a questionnaire "Teacher through the eyes of a student").

The functioning of the EP reflects the formation of an individual educational trajectory of students and the conduct of professional practices.

The Commission established that the student can independently view and upload his individual curriculum (IC), the educational and methodological complex of disciplines (EMCD) and transcript; track current, rating and final grades in his electronic journal; take online tests by computer testing for disciplines during the interim certification; have the opportunity to appeal for disciplines submitted by computer testing; view traffic orders.

The mechanisms of evaluation of learning outcomes, appeals, transparency of evaluation criteria and tools are demonstrated. There is a principle of objective collegial assessment and appeal which is especially important for all specialties, including agricultural specialties.

The university provides financial support to successful students and students from low-income, large families and orphans, a flexible system of tuition fees is provided to socially vulnerable categories of students. The university notes the success and activity of students. Awards, diplomas are allocated to them.

In the educational process, teachers use various forms of classes (business games; round tables; literature review; compilation of individual and group projects) contributing to the development of students skills of analysis, professional decision-making.

In order to adapt students to the educational environment of the university, the reference guide is constantly updated, containing systematized information about the internal regulations, organizational and procedural norms of the educational process.

In the process of interviewing External Expert Commission Independent Accreditation and Rating Agency students noted that they take part in the formation of their own (individual) educational trajectory, independently choose elective courses. The procedure and order for choosing academic disciplines is organized by the registrar's office with the methodological, advisory assistance of advisors is regulated by the Academic Policy of KAZNARU.

Taking into account individual needs in mastering professional skills and cultural experience of students, in addition to choosing elective disciplines, is also carried out when determining the supervisor and the topic of the thesis, when deciding on the participation of students in research conferences and in general, in scientific work (research projects), etc.

In the educational process conditions have been created for independence and activity in the cognitive activity of students which encourage active and practical activities in the process of mastering educational material.

The management of the Educational program and the Dean's office take part daily in reviewing the complaints of students and in finding a solution to the issue. After each examination session, in order to study the attitude of students to teachers, their professionalism and personal qualities a questionnaire "teacher through the eyes of students" is conducted. The rector's blog is maintained where each student can write their wishes, ask questions and there is also a time for admission of students.

Evaluation of the effectiveness of each stage of the learning process of the educational program is carried out according to the generally accepted system of assessments of credit technology of training. At the university, the evaluation process is built in such a way that it is transparent, adequate and independent of the human factor. The mechanism of knowledge assessment is reflected on the university's website and is publicly available information <http://www.kaznaru.edu.kz>. Information on the current success of students is provided through ICS (individual code of students, undergraduates) on the educational portal of the University.

The teaching staff of the department regularly improves the qualification on the basis of other universities of Kazakhstan and the nearest foreign countries, which is confirmed by certificates of teachers on improving the qualification. In 2015, the department received 4 certificates, in 2016 – 9, in 2017 – 20, in 2018 – 47, in 2019-26 certificates (Table 2).

Table 2 – Information about the professional development of teaching staff

Total	including professional development organizations		
	PDO	UNIVERSITY	Other
2015 year			
4	1		3
2016 year			
9	1	5	3
2017 year			
20	2	11	7
2018 year			
47	14	13	20
2019 year			
26	8	1	17

Students and undergraduates of accredited ED participate in the university, regional, republican and international student scientific and practical conferences and Olympiads held in cities of the Republic of Kazakhstan near and far abroad and are published in collections. For example, a student Yusupova N. in August in the IX Republican Student Subject Olympiad, was awarded a Diploma of the 1st degree and undergraduate student Alima Suleymen took the 1st place in the international competition of research papers //Fundamental and applied preaches to

solving scientific problems// Ufa, Russia, December 12, 2019.

According to the results of the survey of students conducted within the framework of the work of the EEC IAAR, it was determined that, in general, equal opportunities are provided to all students: "Full agreement" - 59.4%, "Agree" - 28.1%, "Partially agree" - 10%, "Disagree" - 2.5%.

The process of studying at the university is characterized by clarity and transparency of requirements both to the level of academic achievements and to control procedures as well as the presence of "feedback" with the student. The survey of the External Expert Commission students showed that:

- explanation before admission of the rules and strategy of the educational program (specialty) "Fully satisfied" - 68.8%, "Partially satisfied" - 26.6%, "Partially dissatisfied" - 4.6%;

- the level of implementation of these rules and strategies of the educational program (specialty) "Fully satisfied" - 71.9%, "Partially satisfied" - 23.4%, "Partially dissatisfied and find it difficult to answer" - 4.7%;

- informing students about courses, educational programs, and academic degrees "Fully satisfied" - 71.9%, "Partially satisfied" - 23.4%, "Partially dissatisfied and find it difficult to answer" - 4.7%.

The university monitors the progress of students along the educational trajectory. The objectivity of the assessment of students' knowledge, transparency and adequacy of tools and mechanisms for their assessment are provided by regulatory documents on the organization of credit technology of training. The dynamics of students' academic performance have been observed in recent years.

Students of accredited educational programs actively participate in the social life of the university through various student organizations and associations, such as: MK "Zhas Otan", youth labor camp "Zhasyl El", "Student construction team", youth club "Zhas koshbassy", KVN "Classic", debate club "Ziyaly Kazak", student Assembly "Dostyk", movement "Shapagat", club "Ayaly Alakan", patriotic club "Aybin", club " KAZNARU Volunteers", a student squad of police assistants.

The places of internship correspond to the profile of the specialty, all types of practice are provided with educational and methodological materials, the internship is issued in the form of diaries and reports which are registered and issued in accordance with the requirements. In order to centrally provide students with internship places, the university and departments are working on concluding long-term contracts with specialized institutions and organizations.

Analytical part

The university has created conditions for the formation of an individual educational trajectory of students according to the educational program 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection but in practice this opportunity is not used enough by students. There is also a low level of application of innovative teaching methods and professional practices.

The mechanisms of evaluation of learning outcomes, appeals, transparency of evaluation criteria and tools are demonstrated.

The Educational program management ensures transparency and accessibility of students to the evaluation results, the possibility of assessing the professional qualities of teaching staff, as well as the level of material and technical support of the educational process. However, most students do not know enough about their capabilities when choosing an individual trajectory, as well as about the possibility of choosing a teacher, scientific supervisors and the form of final certification.

As part of the monitoring, surveys of different groups of students are systematically conducted on a planned basis: annual surveys of students, graduates, thematic surveys, targeted surveys, students' assessment of teaching staff activities.

The complaint procedure is implemented according to the following schemes:

curators/advisors → department → Dean's office → Vice-rector for Educational and Social Work (HRW) → rector. The complaint of students can be submitted through the "trust box", the rector's blog https://www.kaznaru.edu.kz/page/blog_rector/?link=omirbaian_509&lang=ru, the office or directly at the reception for personal matters. The student has the right to appeal the results of intermediate and final knowledge control. In case of disagreement with the result of the final control, the student submits an appeal application. Based on the results of the examination sessions a transfer score (GPA) is calculated for the course which is recorded in the student's "Platonus" transcript. Students' awareness of current academic performance is provided through the ICS (individual student code) on the educational portal of the university. The schedule of consultations of students with teachers is posted on the Platonus platform. At the same time each teacher in their disciplines uploads a syllabus to the Platonus platform. According to the results of surveys of heads of practice bases it was revealed that students show a sufficient level of theoretical and practical training, the ability to apply and use the knowledge gained during training to solve practical problems.

The analysis of the survey of employers in the interviewing process shows 100% satisfaction of employers with university graduates. According to employers, graduates of the educational program 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing have the necessary knowledge and skills in work, note sufficient professional level and personal qualities of young professionals.

There is not enough information in the department's documents about who justifies the need to use active teaching methods, who decide on the possibility of their application.

It is revealed that there are no examples of taking into account the individual characteristics, needs and cultural experience of students when choosing a base of practices.

The minutes of the meetings of the department and methodological councils do not sufficiently reflect the issues of feedback and reaction of students to the assessment, the issues of anonymity of the assessment results and the psychological comfort of the assessment procedures.

There is not enough and practically no own research in the field of teaching methods of educational disciplines of the Educational program.

Strengths / Best practice:

- according to this standard, it has not been revealed

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- The teaching staff implementing the Educational program should conduct research in the field of teaching methods in at least two academic disciplines by December 31, 2021.

Conclusions of the EEC by criteria:

According to the standard " Student-Centered Learning, Teaching and Performance Evaluation ", 17 criteria were disclosed of which accredited educational programs: 9 satisfactory positions and imply an improvement.

6.6. Standard "Students"

The evidentiary part

All information about the rules of registration and admission to the Educational program at all levels is available on the University's website in the section "Applicants" www.KAZNARU.kz . Citizens of the Republic of Kazakhstan, foreign citizens and stateless persons with general secondary (general secondary), technical and vocational (primary and

secondary vocational), post-secondary education are accepted at the University at all levels.

The Commission found that the policy of forming a contingent at the university is regulated by the Standard Rules for Admission to educational organizations implementing educational programs of higher and postgraduate education, approved by the Decree of the Government of the Republic of Kazakhstan dated January 19, 2012 № 109 (with amendments and additions. as of 26.07.2017) and is reflected in the Rules of admission to the NPJSC KAZNARU.

Admission is carried out at the request of applicants on a competitive basis in accordance with the points of the certificate issued by the results of the UNT or CT. The recruitment procedure and the rules for crediting credits when transferring from another university are carried out in accordance with the Rules for Transferring and restoring students in educational institutions (№ 638 of 09.12.2008).

Students who have entered the university are provided with a "handbook" of a student of NPJSC KAZNARU (SPS-326), and an introductory course is conducted for enrolled students. Students get acquainted with the "Internal regulations of students of NPJSC KAZNARU".

The university has created conditions for social support of students and undergraduates which is confirmed by the results of a survey of External Expert Commission students which showed:

- availability of consultations on personal problems "Fully satisfied" - 64.1%, "Partially satisfied" - 29.7%, "Partially dissatisfied, dissatisfied and difficult to answer" - 6.2%;
- Availability of health services "Fully satisfied" - 62.5%, "Partially satisfied" - 26.6%, "Partially dissatisfied, dissatisfied and difficult to answer" - 10.9%;
- the provision of the hostel is "Fully satisfied" - 70.3%, "Partially satisfied" - 18.8%, "Partially dissatisfied" - 3.4% and "I find it difficult to answer" - 7.8%.

The contingent of students is formed from groups in which training is conducted in the state, Russian languages on full-time and correspondence forms. In addition multilingual groups are being formed where classes are conducted in three languages. The University is systematically working on the collection and analysis of statistical data on the contingent of students and graduates (Tables 3.1, 3.2).

Table 3.1 – The contingent of students and undergraduates studying under EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection of land for 2015-2020

Indicators	2015-2016 academic year	2016-2017 academic year	2017-2018 academic year	2018-2019 academic year	2019-2020 academic year	2020-2021 academic year
Bachelor course	133	171	154	125	96	61
Master's degree	7	3	7	17	12	8

Table 3.2 – The contingent of students and undergraduates studying under EP 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing for 2015-2020

Academic year	EP 6B08401- Fisheries and industrial fisheries					EP 7M08401- Fisheries and industrial fisheries				
	in total	including				in total	including			
		Kaz	rus	grant	contract.		kaz	rus	grant	contract.
2015-2016	37	21	16	10	27	11	11		11	
2016-2017	38	16	16	10	28	5	5		5	
2017-2018	39	26	13	9	30	4	3		3	
2018-2019	22	16	6	12	10	5		2	2	
2019-2020	34	30	4	26	8	4	2		2	
Total	170	109	55	67	103	29	22	2	23	-

The analysis of the contingent of students by region showed that accredited students study not only from the Almaty region but also from all regions of Kazakhstan and foreign citizens. For example, according to the intergovernmental agreement on education and training between the Republic of Kazakhstan and the Islamic Republic of Afghanistan (IRA) on Educational program 6B08602 – Melioration, Recultivation and Land Protection of land, 34 students studied in the 2016-2019 academic years.

The university has organized courses on learning Russian as a foreign language for the social adaptation of incoming foreign students and improving their knowledge of languages. Payment terminals are installed in all student dormitories, explanatory and educational activities are carried out with the participation of the Consulate General of the Islamic Republic of Afghanistan. We are constantly working with foreign students to involve them in the social and cultural life of the university, trips are organized for foreign students to the Mausoleum of Khoja Ahmed Yasawi (Turkestan), Kolsai Lakes, Medeu, Bortagai reservoir, etc.

The organization of educational work is carried out in accordance with the regulatory materials of the Ministry of Education and Science of the Republic of Kazakhstan. In order to ensure the growth of the quality of educational services provided, a survey is systematically conducted on the subject of students' satisfaction with the quality and conditions of the study.

Student scientific work, educational and creative workshops are some of the forms of organization of research work of students (Table 4).

Table 4 – Participation of students and undergraduates in conferences, competitions and exhibitions on R&D for 2015-2020

Academic years	Number of full-time students	Number of students participating		
		in university conferences	in conferences of other universities	in national and international competitions and exhibitions
6B08602 – Melioration, Recultivation and Land Protection				
2015-2016	133	18	2	-
2016-2017	171	20	4	1
2017-2018	154	20	6	-
2018-2019	125	20	8	1
2019-2020	96	20	8	5
7M08602 – Melioration, Recultivation and Land Protection				
2015-2016	7	4	6	2

2016-2017	3	3	3	2
2017-2018	7	4	5	2
2018-2019	17	6	6	2
2019-2020	12	6	6	2

At the department, students, together with undergraduates and doctoral students, take part in research activities, according to the results of which scientific papers are published: articles, monographs, textbooks, etc. (Table 5.1, 5.2).

Table 5.1 – Participation of students and undergraduates in scientific projects for 2016-2019. (according to EP 6B08602, 7M08602- Melioration, Recultivation and Land Protection)

№	Name of scientific projects	Number of participating students		
		2016-2017	2017-2018	2018-2019
1	"Development of a new type of pneumatic vacuum (airlift) pumping unit for lifting water from underground water sources using resource-saving technology and improving the quality of the raised water"	2		
2	"Introduction of water-saving technologies for rice irrigation in the Kyzylorda and Akdalinsky irrigation massif", "Study and development of parameters of water availability of irrigated lands, increasing crop yields and economic efficiency of irrigation systems in Kazakhstan"	2		
3	"Introduction and development of hydro turbine pump installations with drive from energy moving water in water pumps", "development and development of energy-saving technologies and technological means of lifting water using hydraulic energy of wastewater as a drive", "development of a new type of pneumatic vacuum (airlift) pumping unit for lifting water from underground water sources with the use of resource-saving technologies and improving the quality of lifting water"	2	2	
4	To conduct an analysis of the risk assessment of the accident of large hydraulic structures (ruk. Bazarbayev A.T.). corresponding. for field work 01.06.2015	3	3	
5	Transboundary river basins of the Republic of Kazakhstan and the People's Republic of China: scientific and applied foundations of sustainable water supply to the population and economy in the conditions of climate change and economic activity for the period up to 2050		2	2
6	Improving the efficiency of water resources use in rice irrigation systems of Kazakhstan		2	2
7	PCF "To develop an information system for monitoring and evaluating degraded pastures in Kazakhstan, ensuring effective management of their restoration"			-
8	Economic agreement "Adaptation and implementation of technology to increase water availability of irrigated lands of Aktobe region"			-

At the Department of "Water Resources and Land Reclamation" there are student scientific circles "Meliorator" and "Vodnik" which includes students and undergraduates of accredited

educational programs 6B08602, 7M08602 Melioration, Recultivation and Land Protection and participate in competitions and exhibitions. For example, in the 2019-2020 academic year, students of Educational program 6B08602 Melioration, Recultivation and Land Protection of land participated in the republican Competition of Research and were awarded diplomas: Kadyrova Gauhar Nurakhynkyzy - diploma of the 1st degree of the Ministry of Education and Science of the Republic of Kazakhstan, Ayazsofy A.M. and Tileubek Balzhan - diploma of the II degree of the Ministry of Education and Science of the Republic of Kazakhstan, Meirambekuly E. and Aibekova A. - diploma of the III degree of the Ministry of Education and Science of the Republic of Kazakhstan.

Table 5.2 – Participation of students in the research work of EP 6B08401, 7M08401- Fishery and Industrial Fishing

Academic year	Number of students participating in RWS	Number of students in the conference	Number of student papers Awarded with diplomas, commendations
2015-2016	2	1	1
2016-2017	2	2	1
2017-2018	2	3	3
2018-2019	4	5	3
2019-2020	4	-	4

The student self-government of the university is sufficiently developed. University students cooperate with youth organizations of the city, region, participate in competitions, festivals, meetings, literary readings, conferences. The university's website offers information on educational activities, news and announcements about the life of the university.

Students, undergraduates and doctoral students of the department have the opportunity to participate in various academic mobility programs (Table 6,7). Academic mobility within the framework of the Educational program is carried out in accordance with the "Rules of organization of academic and scientific mobility" approved by the Rector of KAZNARU. Financing of external academic mobility is carried out at the expense of: the Ministry of Education and Science of the Republic of Kazakhstan; the international Erasmus + program; students' own funds.

Table 6 – Data on external academic mobility

№	Full name of the student	Academic year	UNIVERSITY/country (sending)	UNIVERSITY/ host country	Training period
6B08602 - Melioration, Recultivation and Land Protection					
1	Tungatar Dana, Umbetov Shyngys 3rd year	2015-2016	Kazakh National Agrarian University, Almaty	La Salle Beauvais University, France, Beauvais	01.19.2016-13.05.2016
2	Darina Sungatova, Yerbolay Togzhan, 3rd year	2015-2016	Kazakh National Agrarian University, Almaty	Pajajaran University, Indonesia, Bandung	20.09.2016-25.02.2016
3	Bolatbek Arailym, Tursynaly Didar, Makhmudova N., Ydrys	2017-2018	Kazakh National Agrarian University, Almaty	Alexandras Stulginskis University, Lithuania, Kaunas	29.01.2018-20.06.2018

	Almat, Tulegenova T., Manambayeva A., Alisher Kalmerey, 3rd course				
4	Shapashova Aygerim 3rd course	2018- 2019	Kazakh National Agrarian University, Almaty	University named after Vytautas Magnus Academy of Agriculture, Lithuania, Kaunas	29.01.2019- 13.06.2019
7M08602 - Melioration, Recultivation and Land Protection					
5	Doschanov Sultan Tungatar Dana.	2017- 2018	Казахский Kazakh National Agrarian University, Almaty	Alexandras Stulginskis University, Lithuania, Kaunas	29.01.2018- 22.06.2018
6	Tazhibek Akhmet	2018- 2019	Kazakh National Agrarian University, Almaty	Alexandras Stulginskis University, Lithuania, Kaunas	15.09.2018- 30.01.2019

Table 7 - Data on internal academic mobility

№ №	Full name of the student	Academic year	UNIVERSITY/c ountry (sending)	University /host country	Training period
6B08602 – Melioration, Recultivation and Land Protection					
1	Zhylykybay Ayazhan	2016- 2017	KSU, Korkyt Ata, Kyzylorda	Kazakh National Agrarian University, Almaty	01.09.2016- 31.12.2016
2	Berdibekova Sharbanu	2017- 2018	KSU, Korkyt Ata Kyzylorda	Kazakh National Agrarian University, Almaty	04.09.2017- 31.12.2017
3	Kairat Ulzhan	2017- 2018	KSU, Korkyt Ata Kyzylorda	Kazakh National Agrarian University, Almaty	04.09.2017- 31.12.2017

Within the framework of the academic mobility program aimed at improving the quality of education, expanding ties between universities and strengthening international cooperation, the Department of Water Resources and Land Reclamation cooperates with the Warsaw University of Life Sciences, with the Alexandras Stulginskis University (Lithuania, Kaunas), with the Brest State Technical University (The Republic of Belarus, c. Brest), with Tashkent Institute of Irrigation and Agricultural Mechanization Engineers (Uzbekistan, Tashkent), cooperation agreements have been concluded with the Federal State Budgetary Educational Institution of Higher Education "Russian State Agrarian University - Moscow Timiryazev Agricultural Academy " (RF).

Students of the EP have the opportunity to study under academic mobility programs which include: the Erasmus+ Program, the Academic Mobility Program within the framework of bilateral agreements and agreements of the University. Among the partners of the University are such countries as the USA, Great Britain, South Korea, Poland, Turkey, and China.

The university has a graduate employment assistance service. The university pays attention to monitoring annual employment and direct and feedback with the labor market which allows monitoring compliance of strategic plans with the real demand in the educational services market.

An important factor in promoting the employment of graduates (Tables 8.1, 8.2) is further support for communication with them through the website [http:// www.kaznaru.edu.kz](http://www.kaznaru.edu.kz) . The University holds an annual job fair for future graduates that are attended by representatives of enterprises, institutions and organizations of the city and region.

Table 8.1 – Employment indicators of graduates of EP 6B08602, 7M08602 Melioration, Recultivation and Land Protection

Educational program	Year of graduation	Number of graduates	Number of employed graduates	% of employment
6B08602- Melioration, Recultivation and Land Protection	2016	15	11	73
	2017	24	20	83
	2018	26	19	73
	2019	37	29	78
	2020	45	38	84
7M08602 - Melioration, Recultivation and Land Protection	2016	5	4	80
	2017	-	-	-
	2018	2	2	100
	2019	5	5	100
	2020	10	7	70

Table 8.2 – % of employment of graduates of EP 6B08401, 7M08401 - Fishery and Industrial Fishing

Educational program	Year of release	Number of graduates	Number of employed graduates	% of employment
6B08401 - Fishery and Industrial Fishing	2016	1	1	100
	2017	6	6	100
	2018	25	25	100
	2019	7	6	90
	2020	5	5	100
7M08401 – Fishery and Industrial Fishing	2016	4	4	100
	2017	7	7	100
	2018	1	1	100
	2019	3	3	100
	2020	2	2	100

The Kaznmu Alumni Association established in 2009 operates at the university. The mission of the Association is to strengthen the corporate spirit of all generations, cohesion and social promotion of graduates, their self-realization [http:// www.kaznaru.edu.kz/page/tulekter/?lang=ru](http://www.kaznaru.edu.kz/page/tulekter/?lang=ru).

At the university as part of measures to support gifted students, discounts on university tuition fees in the amount of 20 to 50% are provided to successful students; awarding students for a high level of cultural and educational events; financing the expenses of students participating in international and republican scientific and practical conferences, creative contests, screenings, etc., providing vouchers to a boarding house on the Issyk-Kul coast, awarding students who participated in the development of the best scientific project; holding competitions "Best Student of the year", "KAZNARU Stars", "Best student start-up project".

The results of the survey of students conducted during the visit of the CENTURY to the AR showed that:

the availability of academic counseling is "Fully satisfied" - 67.2%, "Partially satisfied" - 28.1%, "Partially dissatisfied and find it difficult to answer" - 4.7 %;

- responsiveness to feedback from teachers regarding the educational process "Fully satisfied" - 71.9%, "Partially satisfied" - 25.0%, "Partially dissatisfied" - 4.2%, "Partially dissatisfied and difficult to answer" - 4.7%.

Analytical part

The policy of forming a contingent at the university is regulated and reflected in the Academic Policy of the university. The principles of creating an educational environment for students to achieve the required professional level, methods of feedback and informing students, aspects of the cultural and social life of students are presented. The University evaluates communication with employers; patriotic, civil, spiritual and moral, sports and wellness activities are held; students actively participate in youth creative and research competitions, conferences.

Applicants who have studied at the previous level of training (during the period of higher education) are allowed to enroll in training under the state educational order all prerequisites necessary for mastering the Master's degree program and who have scored at least 150 points on a 100-point scale of assessments for a scientific and pedagogical master's degree and at least 130 points, including at least 30 points in a foreign language for a specialized master's degree.

The results of the competition for awarding a state educational grant are published in the official print media of the Republic of Kazakhstan "Egemen Kazakhstan" and "Kazakhstanskaya Pravda" in the first decade of August and are posted on the website of the Ministry of Education and Science of the Republic of Kazakhstan (www.edu.gov.kz).

The University has the following collegiate student bodies: the Committee for Youth Affairs (CYA); student Trade Union Committee; - the debate club "Ziyaly Kazak", as well as Students are members of the Faculty Council and the Academic Council of the University.

Within the framework of accredited PLOS, an academic mobility program is being implemented, in which part of the students take part. Outgoing external mobility prevails, which indicates insufficient work to popularize the educational programs of NPJSC KAZNARU to foreign applicants.

The department has created a database of graduates' employment, which allows analyzing their movement, demand and success, and tracking their career growth.

The Commission notes the weak activity of the participation of students of the EP in the implementation of contractual and state-funded research projects (scientific projects).

There is no section on the university's website that promotes effective "postgraduate support", monitoring the career growth of graduates, and organizing work with employers.

An electronic portfolio of students' personal achievements has not been formed on the university's website within their personal accounts.

In the educational process, there is a weak emphasis on the development of students' communicative abilities, teamwork skills, and presentations of educational and scientific materials in oral and written form.

In the process of interviewing External Expert Commission Independent Accreditation and Rating Agency graduates, it was revealed that many of them do not know about the existence of the Alumni Association.

Strengths / Best practice:

- according to this standard, it has not been revealed.

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- to organize external academic mobility within the framework of accredited EP;
- to draw up a work plan for the Alumni Association and inform university graduates about the activities of the association by 01.09.2021.;

Recommendations for Educational program 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- the heads of the EP to increase the academic mobility of students within the framework of the EP by increasing the number of domestic partner universities for the implementation of the EP by concluding cooperation agreements by 01.09.2021.

Conclusions of the EEC by criteria:

According to the standard " Students", 17 criteria were disclosed of which accredited educational programs: 12 satisfactory positions.

6.7. Standard "Teaching Staff"

The evidentiary part

The Commission got acquainted with the qualitative and quantitative composition of teaching staff, planning the workload of teaching staff, monitoring the quality of teaching, methods of assessing the satisfaction of teaching staff and students, the policy of forming the staff of teaching staff.

Recruitment and evaluation of teaching staff is carried out on the basis of the Order of the Minister of Education and Science of the Republic of Kazakhstan dated April 23, 2015 No. 230 (with amendments and additions dated 04.10.2018, № 536) "On approval of the Rules for competitive replacement of positions of teaching staff and researchers of higher educational institutions".

The university ensures the completeness and adequacy of individual planning of the work of teaching staff in all types of activities, monitoring the effectiveness and effectiveness of individual plans. The calculation of the labor intensity of the training load is based on the working curricula of the educational program of specialties, according to the rules of the organization the educational process of credit technology training.

The competition for the vacant positions of teaching staff and researchers, as well as information about vacant positions, is announced through the media, determined in accordance with the established procedure, as well as the University's media (website, newspaper). The competition is conducted on the basis of an analytical synthesis of the results of the applicants' activities in the form of questionnaires, expert assessment, testing, interviews, creative reports, publications in international rating journals, with a non-zero impact factor included in the databases of Thomson Reuters, Scopus and other forms of professional competence verification in the scope of the established requirements for each position. Positions have been introduced: a research teacher and a consultant teacher (a freelance teacher).

The analysis of the personnel of the departments shows that a sufficient number of having received a degree teachers take part in the implementation of Educational program 6B08401 – Fisheries and industrial fisheries, and only teachers with an academic degree take part in the implementation of Educational program 7M08401 – Fisheries and industrial fisheries.

In order to improve the quality of educational services provided, teachers implementing Educational program 6B08401, 7M08401 - Fisheries and industrial fisheries, improve their qualifications by taking advanced training courses, internships in the Republic of Kazakhstan and abroad, participating in international and republican scientific, scientific-practical, scientific-methodological conferences and seminars.

According to the results of the survey of teaching staff conducted within the framework of the activities of the External Expert Commission Independent Accreditation and Rating Agency, it was noted that the university provides an opportunity for teachers to continuously develop their potential at "Very good" (75.0%) and "Good" (25.0%).

The competence of teachers is assessed annually according to the rating system for evaluating the activities of teaching staff (P of KAZNARU RSE-238, approved and put into

effect by the decision of the Academic Council of the NPJSC KAZNARU dated 21.09.2018). According to the results of the rating system for evaluating the activities of teaching staff, the motivation of professional and personal development of teaching staff is carried out in the form of a flexible wage supplement. Since 2019, a one-time incentive has been provided and implemented for teachers who have published a scientific article in highly rated journals from 50 to 200 MCI and have TOEFL and IELTS certificates.

According to the staffing table of the Educational program, the teaching staff is staffed for the entire period of training. Indicators on the qualitative and quantitative composition of teaching staff confirm compliance with the qualification requirements necessary for the implementation of accredited educational programs. Educational program 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection are implemented by the department "Water Resources and Land Reclamation". The average indicator for the academic degree holders rate of the teaching staff of the graduating department is 59% (Table 9.1, 9.2, 9.3).

Table 9.1 – The number of teaching staff 07.12.2020 (according to the website <https://www.kaznaru.edu.kz>)

Graduating Department	Middle age	Total full-time teaching staff	Teaching staff with academic degrees				
			number of teaching staff with	doctors of Science	candidates of sciences	phD doctors	% settling down
"Water resources and melioration"	45	32	23	7	11	5	70

Table 9.2 – Personnel involved in the implementation of EP 6B08401 Fishery and Industrial Fishing

Academic year	Total number of teaching staff	Doctors of sciences	Candidates of sciences	PhD	Masters	Without a degree
2015-2016	48	20	23	1	4	-
2016-2017	50	20	21	2	7	-
2017-2018	13	5	5	1	2	-
2018-2019	12	4	5	1	2	-
2019-2020	9	3	2	1	3	-

Table 9.3 – Total number, position and average age of teaching staff according to the schedule

Academic years	The total number of teaching staff people	Including teaching staff People	Including part-timers people	Average age years
2015-2016	48	39	9	55
2016-2017	50	42	8	55
2017-2018	13	11	2	53
2018-2019	12	11	1	51
2019-2020	10	9	1	51

The university also attracts production specialists from the field of economics, agriculture and water management to conduct classes, for example, since the 2018-19 academic year, doctors and candidates of sciences, specialists of relevant industries have been working as part-timers: director of the Institute of Geography, Professor, academician of the NAS RK Medeu A, head of the Department of the State Institution Kazselezashchita of the Ministry of Internal

Affairs of the RK Kudzhibayeva G.B., leading specialist of the Institute of Geography of the Ministry of Education and Science of the RK Orazbekova K.

KAZNARU invites professors and scientists from leading foreign universities and research centers within the framework of international cooperation and the development of academic mobility under the accredited EP (table 10).

Table 10 – The list of EP modules conducted by foreign professors and scientists

№	Full name of the professor	University, country	Name of the module/course	Visit period
1	Algirdas Radzevikus	"Alexandras Stulginskis University", Lithuania.	Sewerage, Wastewater treatment technologies	From 23 to 28 February 2018
2	Petras Punis	"Alexandras Stulginskis University", Lithuania.	Engineering hydrology; Modeling of the hydrological system	From 23 to 28 February 2018
3	Arvydas Povilaitis	"Alexandras Stulginskis University", Lithuania.	Restoration of disturbed aquatic ecosystems	From 23 to 28 February 2018
4	Lubos Yurik	"Slovak Agrarian University", Slovakia.	Water resources management; Assessment of water quality and quantity	From 12 to 25 May 2017
5	Michael Josef Toman	University of Ljubljana, Slovenia.	Freshwater ecology and environmental protection; Biological assessment and water quality assessment	From 11 to 23 February 2019
6	David Stopper	University of Ljubljana, Slovenia.	Microbial ecology	From 11 to 23 February 2019
7	Graziano Genasi	"University of Florence", Italy	Graziano Genasi Technical and technological strategies for improving the efficiency of irrigation water use	From January 22 to 3 February 2018
8	Jozef Moisei Stanislavovich	"Warsaw University of Life Sciences", Poland	Reclamation soil science, fundamentals of nature management	From 12 to 25 May 2017
9	Volchek Alexander Alexandrovich	Brest State Technical University, Belarus	Water management modeling and forecasting of hydrological processes	From 10 to 20 June 2018
10	Meshic Oleg Pavlovich	Brest State Technical University, Belarus	Agricultural land reclamation, reconstruction of reclamation systems	From 10 to 20 June 2018.
11	Jaime Micolo	University of Eastern Finland Jaime Micolo	Green biotechnology and global food safety	19.11.2016-29.11.2016
12	Yuldashbayev Yu.A	Russian State Agrarian University K.A.Timiryazev Agricultural Academy, Russia	Technology of production of animal products	11.01.2018-17.01.2018
13	Adakbek Almost	Research Institute of Fisheries of the XUAR of the People's Republic of China	Technology of growing tilapia in aquaculture in China	23.06.2019-27.10.2019

The Commission established that professors from leading foreign universities and research centers are invited to implement accredited EP 6B08401, 7M08401 - Fisheries and Industrial Fisheries. Scientists-specialists in the field of fisheries of the Russian Federation, Professor H. Mikolla (University of Eastern Finland) were invited from abroad to give lectures for three years.

In order to monitor the competence of the university staff, the rector's office, the personnel department and the heads of the relevant structural units periodically conduct mutual visits to classes, student questionnaires, etc. in the NPJSC KAZNARU (P KAZNARU AQTS-294. Fourth edition "Rules for assessing the quality of training sessions").

In order to improve the personnel policy and stimulate active professional growth, the University has developed a Regulation on the personnel reserve of employees and teaching staff.

The competence of teachers is assessed annually according to the rating system for evaluating the activities of teaching staff (P KAZNARU RSO-238, approved and put into effect by the decision of the Academic Council of the NPJSC KAZNARU dated 21.09.2018).

The results of the survey of teaching staff organized by the EEC IAAR during the visit showed that teachers on EP 6B08401, 7M08401 - Fisheries and industrial fisheries evaluate:

- the opportunities presented by the university for career growth at "very good" - 50.0%, "good" - 50.0 %;
- created opportunities for professional and personal growth for each teacher and employee at "very good" - 66.7%, "good" - 33.3 %;
- support of the university and its management in the research initiatives of the teaching staff at "very good" - 54.2%, "good" - 45.8%.

The department employs young teachers who have completed masters and doctoral studies. The teaching staff of the department, including young specialists, participate in the implementation of scientific research on projects funded by the Ministry of Education and Science of the Republic of Kazakhstan. However, there is currently only one funded research project at the department (Table 11).

Table 11 – Scientific projects of the the teaching staff of the department "Water resources and reclamation" and the Department "Apiculture, poultry farming and fisheries"

№	Project topic	Year of implementation	Full name of scientific supervisors	Total amount of financing, million tenge
1	GF MES RK "To analyze and assess the risk of accidents of large hydraulic structures"	2015-2017	Bazarbayev A.T	29.150
2	PTF Ministry of agriculture "Water and land Management in rice irrigation systems in Kazakhstan"	2015-2017	Espolov T.I.	52.908
3	The development of a new type pneumovacuum (air-lift) pump unit for lifting water from underground water sources with the use of resource-saving technologies and improve the quality of lifted water	2015-2017	Yakovlev A. A.	19.210
4	019 regional project "Implementation of innovative water-saving technologies in irrigated areas of Zhambyl region"	2015-2017	Zhaparkulova E. D.	3.750
5	Khoz. the contract "Development of a system of water, chemical, biological, physical reclamation to increase the productivity of water and land resources in the irrigated lands of Kazakhstan"	2015-2017	Zhaparkulova E. D.	5.0

6	Transboundary river basins of the Republic of Kazakhstan and the People's Republic of China: scientific and applied foundations of sustainable water supply to the population and economy under conditions of climate change and economic activity for the period up to 2050	2018-2019	Mustafaev Zh .S .	15
7	Improving the efficiency of water resources use in rice irrigation systems of Kazakhstan	2018-2020	Rau A.G.	21
8	Assessment of the state of biodegradation of brooks (Trichoptera) of reservoirs in Kazakhstan	02.01.2015 - 31.12.2017	Alpeisov Sh..A	13.61
9	Study and introduction into production of the technology of growing Kazakh tilapia fish (<i>Oreochromis Niloticus</i>) with high yield	2019- 2021	Alpeysov Sh.A. Adakbek Karzhan	21.,00

The results of scientific research of teachers are reflected in scientific articles published in journals, speeches at scientific conferences of various levels, etc.

The state of the moral and psychological climate at the department is characterized by stability, a creative attitude to the performance of their duties. Labor and performance discipline at the proper level. University teachers take an active part in the public life of the city and the Republic, participate in various competitions.

The survey of the teaching staff conducted during the visit of the EEC IAAR showed that:

- the level of feedback between the the teaching staff and the management satisfies at "very good" - 66.7%, "good" - 33.3 %;
- teachers can use their own innovations in the learning process at "very good" -66.7%, "good" - 33.3 %;
- the work on academic mobility was set to "very good" - 66.7%, "good" - 33.3 %;
- the work on improving the qualifications of the teaching staff has been set to "very good" - 50.0%, "good" - 50.0 %;
- the involvement of the teaching staff in the process of making managerial and strategic decisions is "very good" - 75.0%, "good" - 25.0%.

Analytical part

The academic degree holders rate of the teaching staff of EP 6B08602 - Melioration, Recultivation and Land Protection, 7M08602 - Melioration, Recultivation and Land Protection Land melioration, recultivation and land protection in basic and specialized disciplines meets the requirements necessary for the implementation of accredited educational programs. However, there is insufficient information about some teachers on the university's website (scientific directions, disciplines taught, etc.). Experts noted the need to improve the professional qualifications of personnel on a permanent basis in the areas of specialization in the leading scientific centers of the Republic of Kazakhstan and abroad. Also the members of the EEC revealed the following:

- there is no work plan aimed at improving the quality of education in multilingual groups, providing for the development, publication and purchase of specialized literature in English;
- there is no information on stimulating the introduction of teaching staff innovations and information technologies in the educational process;
- information on academic mobility of teaching staff shows the predominance of invited foreign specialists in comparison with teachers of NPJSC KAZNARU, who travel to lecture at foreign universities;
- there are no criteria for the selection of practical teachers and foreign scientists involved in teaching within the framework of the EP.

Attendance of classes by members of the EEC showed that the use of information and communication technologies in the educational process does not meet the quality requirements for the classes held. Several classes are held in parallel in one classroom, which creates a strong background noise on the air and makes it difficult for the teacher to understand.

Strengths / Best practice:

- the university provides opportunities for career growth and professional development of teaching staff (foreign internships, advanced training, doctoral studies, monetary incentives)

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- to develop regulations for the organization of the educational process with the use of information and communication technologies for teaching staff until 01.10.2021;
- to increase the external academic mobility of teaching staff, by increasing the share of departing teachers in the period up to 31.12.2021.

Conclusions of the EEC by criteria:

According to the standard " Teaching Staff ", 17 criteria were disclosed of which accredited educational programs: 1 - strong, 11 satisfactory positions.

6.8. Standard "Education Resources and Student Support Systems"

The evidentiary part

The members of the commission established that the university carries out educational activities on the basis of a long-term strategic document "Strategic Development Plan of NPJSC KAZNARU until 2023" (approved at the meeting of the Academic Council of the University on January 18, 2019, Protocol № 6.) The resources of education at the university correspond to the plans for the implementation of the EP: human, logistical and socio-cultural. The software used for the organization of the educational process, creation and demonstration of information content is presented.

The EP is provided with a fund of educational, methodological and scientific literature on general education, basic and profile disciplines on paper and electronic media in the context of the state and Russian languages of instruction.

Sufficient conditions have been created at the university to ensure the accessibility and quality of education, to continuously improve the qualifications of teaching staff and to improve the efficiency of the management of the EP. Material, technical, informational and socio-cultural resources correspond to the activities, mission, vision and strategy of the University and plans for the implementation of the EP.

For the organization of educational activities, students are provided with a reference guide. The university has normative documentation on the organization and educational and methodological support of the educational process, the organization of research and educational work, available to students in the university library, at the department and on the university's internal website.

The University has a student support service, which provides an opportunity for all categories of students to familiarize themselves with the requirements for the educational process, financial discipline, behavior, getting advice, forming an individual educational trajectory, organizing independent work, gaining access to reading rooms and computer classes outside of school hours, participating in the work of public associations and university management.

For an effective and regular analysis of the sufficiency of resources and support systems for students at the university, sociological research is conducted. The degree of satisfaction and wishes of students to educational programs, the level of teaching and social conditions are revealed.

In the educational process of EP 6B08602- Melioration, Recultivation and Land Protection, 7M08602 - Melioration, Recultivation and Land Protection, 2 educational and 9 educational and scientific laboratories equipped with modern devices, equipment and installations are used (Table 12) and classrooms appropriate for the qualitative implementation of the educational program.

Table 12 – List of devices and equipment used in the implementation of the educational program

№	Name	Quantity	Year of delivery and manufacturer and location
1	Low vacuum scanning electron microscope JSM-6510LA complete with energy dispersive X-ray spectrometer. "JEOL", Japan	1	2009. JEOL. Japan, Kazakh-Japanese Innovation Center
2	Transmission electron microscope JEM-1011 complete with CCD digital camera Morada (OLYMPUS). "JEOL", Japan	1	
3	Testo 625 Humidity and temperature measuring device	3	2010, Germany, Kazakh-Japanese Innovation Center
4	Electronic thermohygrometer, a device for measuring humidity and temperature	5	2010, Russia Kazakh-Japanese Innovation Center

Classrooms meet the sanitary and hygienic standards required for classrooms of universities of the Republic of Kazakhstan. The existing classroom fund of EP specialties as a whole provides the need for training facilities for students which ensures the organization of training sessions. There are conclusions of the SES and the fire service.

The University has a sufficient sports base, there are 5 indoor sports halls: the sports hall of the academic building No. 6 is 727.5 sq.m., the gym is 576.5 sq.m., the wrestling hall is 73.8 sq.m., the boxing hall of the academic building No. 5 is 289 sq.m., the aerobics hall is 165.2 sq.m., equipped with appropriate sports equipment, with a total area of 1832 sq.m., a typical outdoor stadium of the academic building No. 6 is 8625 sq.m., outdoor sports grounds: a mini-football ground is 80 sq.m., an asphalt sports ground is 1050 sq.m. The area of outdoor sports the area of the complexes is 9755 sq.m.

Currently, the university has 10 dormitories with a total area of 47953.7 sq.m. for 3766 beds. All dormitories have a computer and reading rooms, catering facilities, household rooms for cooking hot food. The sanitary and hygienic standards of living have been observed.

The library as a whole is provided with literature on all specialties of the university. The library fund is constantly replenished with educational, scientific and periodical literature. There is a fund of literature on electronic and magnetic media. The electronic library fund is accessible from every computer of the university.

The library's book collection is 1071481copies books /139428 titles, including on kaz. language – 700075 copies, in the Russian language – 237800 copies, in English. language – 133606 copies.

In the structure of the book fund, the largest share is occupied by educational literature - 55%, educational and methodological literature - 8.2%, scientific literature accounts for 21.4%, fiction - 3%. The share of foreign literature is 12.4% (Table 12).

Table 12 – Composition and structure of the book fund for 2019

Name	Fund	Specific gravity, %
Out of the total	1071481	100
Textbooks and teaching aids	586813	55
In Kazakh	486713	45
In Russian	100100	10
Educational and methodical manuals	87484	8,2
In Kazakh	61025	5,7
In Russian	26459	2,5
Scientific	230097	21,4
In Kazakh	129791	12
In Russian	100306	9,4
Artistic	33481	3
In Kazakh	22546	2
In Russian	10935	1
In foreign languages	133606	12,4

The fund of the scientific library has 5457 titles (227726 copies) of printed and electronic publications, consisting of educational, methodical, scientific, reference literature and periodicals.

On the website http://library.kaznaru.edu.kz/new/?page_id=190&lang=ru the "Databases" section provides access to domestic and foreign databases.

The educational process is provided with professional computer programs: Operating system, Office software package, Graphic editors, Audio-Video editors, Software for web design and creation of visual projects, Desktop publishing system, Database management System, Antivirus programs and special computer programs (AUTOCAD, ArhGIS, etc.).

An important direction in the university's activities is the support and improvement of the entire technical base of computers, servers and services aimed at automating educational processes and control. An important priority is also the creation of a unified educational information environment that allows, through the use of information and communication technologies, to improve the quality of students' knowledge, as well as integrate the information structure with the systems and standards of the Ministry.

The University has its own WEB portal on the Internet (<https://www.kaznaru.edu.kz> .) in which access to the unified information and educational environment of the university is open. Students have access to educational materials and assignments through personalized IR (also available during extracurricular time). Technological support of students and teaching staff is carried out with the help of AIS "Platonus".

The unified information network of the university includes the following: a local area network that connects all enclosures by means of fiber-optic, UTP cables and switching equipment; a wireless WiFi network; information databases and automated systems. The coverage of the university's territory with a free WI-FI zone is 75%. Login, password from the training portal is suitable for use to access the wireless network.

The amount of borrowing in graduation papers, dissertations and research is carried out by the KAZNARU Anti-Plagiarism system https://www.kaznaru.edu.kz/page/events/?link=nuskaulyk_antiplagiat_zhuiesin_paidalanu_turaly_369&lang=ru.

The results of the survey of students conducted during the visit of the EEC IAAR showed:

- availability of computer classes and Internet resources: "Fully satisfied" - 60.09%, "Partially satisfied" - 31.3%, "Partially dissatisfied" - 0%, "I find it difficult to answer" - 7.9%;
- high quality of services provided in libraries and reading rooms: "Fully satisfied" - 62.5%, "Partially satisfied" - 29.7%, "Partially dissatisfied" - 7.9%, "Not satisfied" - 0%;

- satisfaction with the existing educational resources of the university: "Fully satisfied" - 67.2%, "Partially satisfied" - 31.3%, "Partially dissatisfied" - 0%, "Not satisfied" - 0%, "I find it difficult to answer" - 1.5%.

Analytical part

In general, educational resources and student support systems comply with regulatory requirements: there are necessary computer classes, workshops and laboratories equipped with educational equipment.

For the implementation of 6B08602 Melioration, Recultivation and Land Protection, 7M08602 - Melioration, Recultivation and Land Protection, there is the necessary classroom fund, laboratories, computer classes, gyms, book fund.

Within the framework of accredited EP, an electronic library has been formed in the scientific library, which houses the full-text databases of the university teaching staff, which helps both the teacher and the student in mastering the educational material.

The university provides an opportunity for the development of inclusive education and for remote consultations on the subjects studied.

The EEC notes that safety requirements are taken into account when operating educational equipment. The total training area used fully complies with regulatory indicators, sanitary and fire service standards. There are conclusions of the SEA and the fire service.

The Commission notes that:

- the availability of information on the regular analysis of the sufficiency and adequacy of the available EP classrooms, laboratories, computer equipment, software, financial resources, databases of production practices, etc.;

- insufficient information on ensuring copyright compliance when placing educational and methodological material in the public domain;

- the information provided on the book fund of the library of the NPJSC KAZNARU does not reflect their sufficiency in the state and foreign languages according to EP 6B08602-Melioration, Recultivation and Land Protection, 7M08602 - Melioration, Recultivation and Land Protection

During a conversation with the staff of the university, members of the EEC IAAR found that the needs of people with disabilities are not sufficiently taken into account in the educational process.

Strengths / Best practice:

- according to this standard, it has not been revealed.

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- the management of the EP to provide an annual analysis of the sufficiency and adequacy of the auditoriums, laboratories, computer equipment, software, financial resources, databases of production practices, etc. at the disposal of the EP (minutes of meetings of collegial bodies, decisions);

- the university management should introduce sections into the local regulations of the educational organization defining the specifics of the implementation of educational and other types of activities for persons with disabilities by 01.09.2021. (Regulations on the organization and conduct of the final state (comprehensive) exam; Academic Policy of KAZNARU (approved at the meeting of the Academic Council of KAZNARU on November 27, 2018, Protocol No. 4.); RPS-282 "Regulations on the organization of professional practice of students"; ROMAPICS-304 "Rules for the ongoing monitoring of academic performance and intermediate certification of students", etc.).

Conclusions of the EEC by criteria:

According to the standard " Education Resources and Student Support Systems ", 17 criteria were disclosed of which accredited educational programs: 9 have satisfactory positions and 1 imply an improvement.

6.9. Standard " Public Information "

The evidentiary part

The members of the commission found that the university presents relatively diverse ways of disseminating information: the official website of the university (<https://www.kaznaru.edu.kz>), social networks, periodicals, reference books, mass media, information banners and brochures, where relevant information is posted to inform the public and interested persons.

Information materials about the university are published in the media - in republican and regional printed publications, on regional and city television. Modern information systems, information and communication technologies and software are used to inform the public.

The formation of a positive image of NPJSC KAZNARU is influenced by the active dissemination of information about its activities. The university has created a unified information-analytical and socially-oriented environment, there is an information department.

Information is posted on the university's website, in the news section and in thematic sections, information and analytical, image and other materials are prepared and posted in the media.

Structural divisions of the university, performing organizational and managerial and information-analytical functions, are responsible for collecting information, organizing events for access to scientific, pedagogical and educational-methodical information; monitoring and analysis of the state of informatization of education and management activities, etc.: registrar office, educational unit, information technology department.

The university has a career guidance department, where there are materials about the departments. The department organizes various events throughout the year: meetings with graduates of schools and colleges of the city and region, is engaged in university advertising, prepares booklets, places commercials on television, radio and other media.

There is a system of informing all employees, teaching staff, students and undergraduates through both paper and electronic mailing of internal and external documents on structural divisions, publishing the necessary information on the university's website, posting information and announcements on information stands in the state and Russian languages, informing managers and interested persons at meetings and meetings, through direct mailing by e-mail, etc.

There are open days, job fairs at the university and exhibitions of achievements and demonstrations of implemented new technologies and equipment, career guidance events, booklets, advertising and presentation materials.

Information about educational programs 6B08602- Melioration, Recultivation and Land Protection; 7M08602 – Melioration, recultivation and land protection is presented on the website. However, there is no information about the criteria for selecting students for it, about the teaching, training and evaluation procedures used, about scientific programs and achievements in this field. All information about the results of training, educational and methodological complexes of disciplines is entered in the AIS "Platonus".

The site provides an opportunity to visit the rector's blog, write a complaint, get advice on issues of interest. Feedback forms at the university: a questionnaire, a system for reviewing proposals. The personal pages of the rector and vice-rectors in the directions contain information about the reception hours for personal issues. Suggestions and recommendations can be made during meetings of collegial bodies, which include students and teachers.

The university management pays sufficient attention to the availability of a communication mechanism with students, employees and other persons interested in the university's activities.

All information supervised by the Department for Scientific Work and Innovation is placed in a specially created section "Science", where subsections such as "Research activity" are active

https://www.kaznaru.edu.kz/page/NII_university/?lang=ru, "Scientific Journal of Research, results" <https://izdenister.kaznaru.edu.kz/>, "Dissertation Council";

<https://www.kaznaru.edu.kz/page/dissovet/?lang=ru>, "Council of Young Scientists"

https://www.kaznaru.edu.kz/page/Sovet_molodyx_uchenyx/?lang=ru, "Conferences"

<https://www.kaznaru.kz/page/conference/?lang=ru>, Electronic scientific Archive

https://www.kaznaru.edu.kz/page/nauchnyi_arhiv/?lang=ru, Leading scientific schools

https://www.kaznaru.edu.kz/page/vedushie_nauchnye/?lang=ru

The "Rating" section (<http://kaznaru.edu.kz/>), demonstrates the participation of the University and educational programs in international and national rankings.

The website provides information about educational programs 6B08602- Land melioration, recultivation and land protection, 7M08602 – Melioration, recultivation and land protection.

However, there is no information about the criteria for selecting students for it, about the teaching, training and evaluation procedures used, about scientific programs and achievements in this field.

The survey of the teaching staff conducted during the visit of the EEC IAAR showed that the PPS is mostly satisfied with the work of the Internet connection infrastructure. Lack of Internet access: "never" - 69.6%, "sometimes" - 33.3%, "often" - 0.0%.

Analytical part

The analysis of the content of the university's website allowed us to establish that there is no transparency of information on complaints for consumers on the university's website; information on interaction with scientific/consulting organizations and educational organizations implementing such educational programs is not provided.

Also, the university's website has not published audited financial statements in the context of accredited EP.

There is no information on the university's website about the possibility of awarding qualifications at the end of the EP, evaluation procedures, employment opportunities for graduates and their career growth;

There is no free access to information about the contingent of students on the university's website.

On the website of the department "Water Resources and Land Reclamation" information about the teaching staff involved in the implementation of the EP is incomplete.

Strengths / Best practice:

- according to this standard, it has not been revealed.

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- the management of the university should publish the audited financial statements in the context of accredited EP on the internal web resource of the educational organization by 01.10.2021;

- to provide the management of the EP with free access through the university's website to information about the contingent of students assigned qualifications for mastering the OP, evaluation procedures, employment opportunities for graduates and their career growth until 31.12.2021.

Conclusions of the EEC by criteria:

According to the standard "Public Information", 17 criteria were disclosed of which accredited educational programs: 13 satisfactory positions.

6.10. Standard "Standards in the context of individual specialties"

The evidentiary part

The organization of educational activities according to accredited educational programs is carried out through the planning of the educational process and the content of education, the choice of ways to conduct them. The balance of theoretical and practice-oriented disciplines in the implementation of the EP is ensured by the fact that the study of theoretical disciplines necessarily implies their practical orientation to the educational process in accordance with general didactic principles, and the study of practice-oriented disciplines, including methodological ones, is based on fundamental theories.

According to the requirements of the State Educational Standard, the content of the disciplines EP 6B08602 - Melioration, Recultivation and Land Protection; 7M08602 - Melioration, Recultivation and Land Protection are based on knowledge, skills and skills acquired at the previous stage of education, and are aimed at obtaining knowledge both in the field of agricultural sciences and scientific and professional skills and competencies.

In the process of mastering accredited educational programs, students are provided with up-to-date knowledge in the field of water and agriculture, communication skills, personality analysis and behavior are formed in accordance with the key competencies presented in modular educational programs.

A mandatory stage of mastering the educational program is the passage of practices which are divided into educational and industrial. There are practice agreements with the basic institutions of the city and the region where the material and technical base fully meets the requirements for conducting production practices.

Undergraduates of 7M08602 - Melioration, Recultivation and Land Protection also undergo two types of practice: pedagogical and research.

To improve the educational process, specialists from production with practical experience in the fields of agriculture and water management are involved in the educational process.

At the Department of "Water Resources and Land Reclamation", the teaching staff of the department conducts training and methodological seminars for the purpose of exchanging experience, as well as professional development, domestic and foreign scientists are invited to give lectures, conduct master classes.

The management of the EP provides training of students in the field of application of modern information technologies.

Analytical part

High professional level, practical experience, mobility of teaching staff - everything is aimed at achieving the main goal – improving the quality of training of highly educated specialists in the field of agriculture and water management.

At the same time, the documents of the departments do not show how the university guarantees that the activities performed by the student during the practice correspond to the upcoming professional activity.

The minutes of the meetings of the department and methodological councils do not contain criteria for the selection of practical teachers and foreign scientists involved in teaching within the framework of the EP.

However, the Commission notes:

- there is insufficient information on conducting individual classes or entire disciplines at enterprises specializing in EP 7M08602 - Melioration, Recultivation and Land Protection;

- - there is no information about the joint efforts of EP managers and employers to provide practice bases with modern devices and equipment.

Strengths / Best practice:

- according to this standard, it has not been revealed.

EEC recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- absence.

Conclusions of the EEC by criteria:

According to the standard " Standards in the context of individual specialties ", 17 criteria were disclosed of which accredited educational programs:5 satisfactory positions.



(VII) OVERVIEW OF STRENGTHS/BEST PRACTICES OF EACH STANDARD**Standard " Management of Educational Program "**

For EP 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- according to this standard, it has not been revealed.

Standard " Information Management and Reporting "

For EP 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- according to this standard, it has not been revealed.

Standard " Development and approval of the Educational Programme "

For EP 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- the university has developed educational programs in all directions, where the labor intensity in ECTS is determined, as well as the qualification for completing the EP is determined;
- the qualification obtained after the completion of the EP is determined and brought to compliance with a certain level of the NQS, the GCEA of State classifier of the Republic of Kazakhstan and the PS.

Standard " On-Goig Monitoring and Periodic Review of Educational Programme "

For EP 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- according to this standard, it has not been revealed.

Standard " Student-Centered Learning, Teaching and Performance Evaluation "

For EP 6B08602 - 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- according to this standard, it has not been revealed.

Standard " Students"

For EP 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- according to this standard, it has not been revealed.

Standard " Teaching Staff "

For EP 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- the university provides opportunities for career growth and professional development of teaching staff (foreign internships, advanced training, doctoral studies, monetary incentives).

Standard " Education Resources and Student Support Systems "

For EP 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- according to this standard, it has not been revealed.

Standard " Public Information "

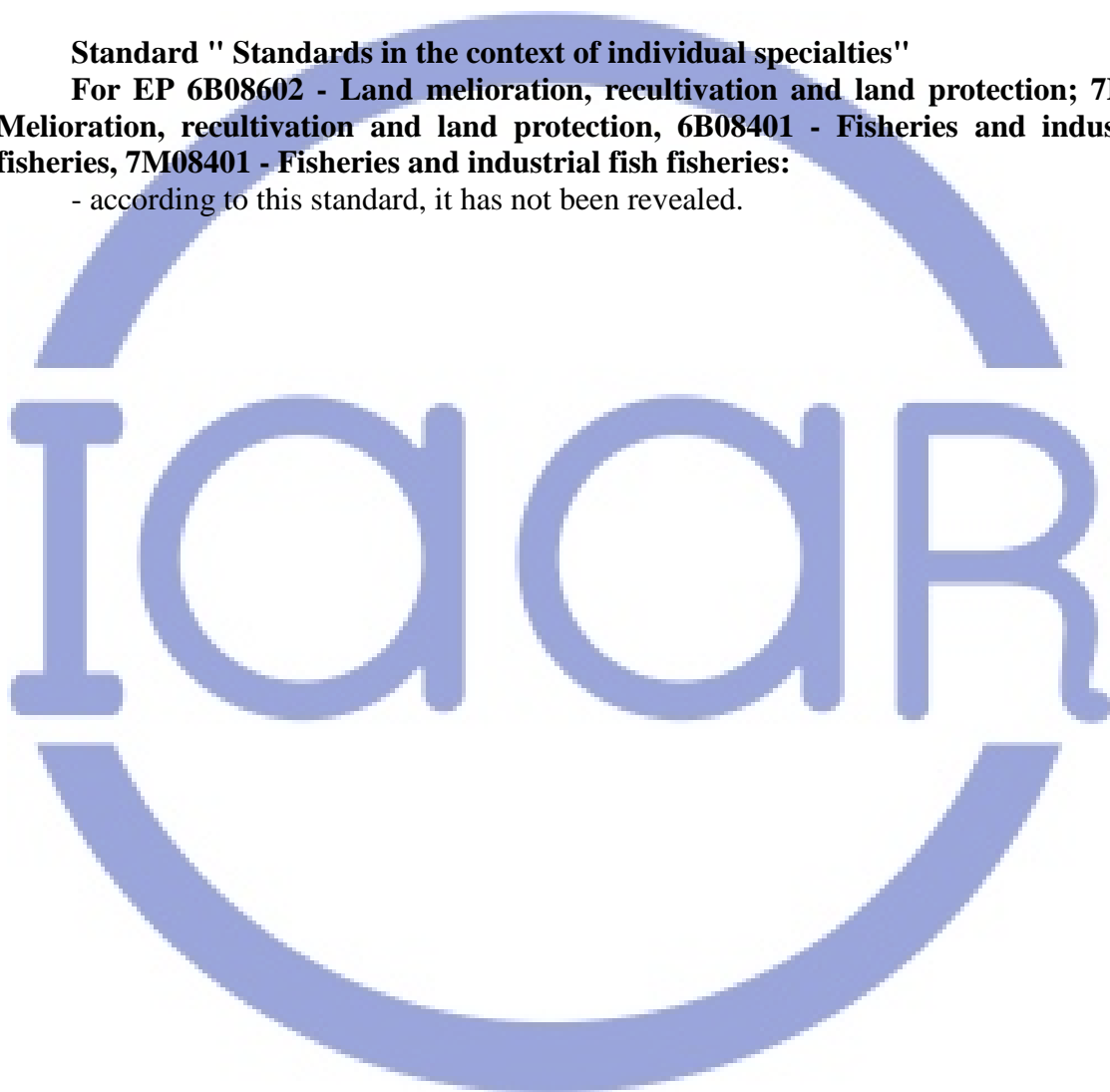
6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fisheries, 7M08401 - Fisheries and industrial fisheries:

- according to this standard, it has not been revealed.

Standard " Standards in the context of individual specialties"

For EP 6B08602 - Land melioration, recultivation and land protection; 7M08602 - Melioration, recultivation and land protection, 6B08401 - Fisheries and industrial fish fisheries, 7M08401 - Fisheries and industrial fish fisheries:

- according to this standard, it has not been revealed.



(VIII) OVERVIEW OF RECOMMENDATIONS ON QUALITY IMPROVEMENT**Standard " Management of Educational Program "**

For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- the management of the EP, by September 1, 2021, to work out a mechanism for revising the Development Plan of the EP and monitoring its implementation with the timing of its implementation and updating of the EP, as well as to determine indicators for achieving training goals, meeting the needs of students, employers and society with the timing of monitoring and updating the EP.

- to the management of the EP by October 1, 2021, to allocate in a separate section in the development plan of the EP a description of the uniqueness and individuality of the EP and its development plan;

- the management of the EP to develop a comprehensive plan for conducting seminars and introducing innovative proposals into the educational process by October 1, 2021.

Standard " Information Management and Reporting "

For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- the management of the EP to develop indicators and criteria for evaluating the effectiveness and efficiency of the EP and systematize them in the development plan of the EP in the period up to 01.09.2021.

Additional recommendations for EP 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- the heads of the EP should supplement the university's website with information about the educational program in terms of the creative activities of students and teaching staff, scientific and creative projects by October 1, 2021.

Standard " Development and approval of the Educational Programme "

For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing

- heads of educational programs until October 1, 2021 to develop and include in the description of the model of graduates of softskills competencies;

Additional recommendations for EP 6B08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing

- the heads of the EP to develop a joint educational program with domestic and / or foreign educational organizations.

Standard " On-Goig Monitoring and Periodic Review of Educational Programme "

For EP For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing

- by October 1, 2021, the heads of the EP should ensure that information on any planned or taken actions regarding the EP and EP after making changes to them, while maintaining the previous editions, is posted on the official website.

Standard " Student-Centered Learning, Teaching and Performance Evaluation "

For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing

- The teaching staff implementing the EP should conduct research in the field of teaching methods in at least two academic disciplines by December 31, 2021.

Standard " Students"

For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing

- to organize external academic mobility within the framework of accredited PLOS;
- to draw up a work plan for the Alumni Association and inform university graduates about the activities of the association by 01.09.2021.

For EP 6B08401 - Fishery and Industrial Fishing, 7M08401 - Fishery and Industrial Fishing:

- the heads of the EP to increase the academic mobility of students within the framework of the EP by increasing the number of domestic partner universities for the implementation of the EP by concluding cooperation agreements by 01.09.2021.

Standard " Teaching Staff "

For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- to develop regulations for the organization of the educational process with the use of information and communication technologies for teaching staff until 01.10.2021;
- to increase the external academic mobility of teaching staff, by increasing the share of departing teachers in the period up to 31.12.2021.

Standard " Education Resources and Student Support Systems "

For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- ensure regular analysis of the sufficiency and adequacy of the auditoriums, laboratories, computer equipment, software, financial resources, databases of production practices, etc. (minutes of meetings of collegial bodies, decisions);
- the university management should introduce sections into the local regulations of the educational organization defining the specifics of the implementation of educational and other types of activities for persons with disabilities by 01.09.2021. (Regulations on the organization and conduct of the final state (comprehensive) exam; Academic Policy of KazNARU (approved at the meeting of the Academic Council of KazNARU on November 27, 2018, Protocol No. 4.); RPS-282 "Regulations on the organization of professional practice of students"; ROMAPIA -304 "Rules for the ongoing monitoring of academic performance and intermediate certification of students", etc.).

Standard " Public Information "

For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing

Ensure regular analysis of the sufficiency and adequacy of the auditoriums, laboratories, computer equipment, software, financial resources, databases of production practices, etc. (minutes of meetings of collegial bodies, decisions);

- the university management should introduce sections into the local regulations of the educational organization defining the specifics of the implementation of educational and other types of activities for persons with disabilities by 01.09.2021. (Regulations on the organization and conduct of the final state (comprehensive) exam; Academic Policy of KazNARU (approved at the meeting of the Academic Council of KazNARU on November 27, 2018, Protocol No. 4.); RPS-282 "Regulations on the organization of professional practice of students"; ROMAPIA-304 "Rules for the ongoing monitoring of academic performance and intermediate certification of students", etc.).

7M08401 - Fishery and Industrial Fishing:

- the management of the university should publish the audited financial statements in the context of accredited EP on the internal web resource of the educational organization by 01.10.2021;

- to provide the management of the EP with free access through the university's website to information about the contingent of students assigned qualifications for mastering the EP, evaluation procedures, employment opportunities for graduates and their career growth until 31.12.2021.

Standard " Standards in the context of individual specialties"

For EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing:

- *absence.*

Appendix 1. Evaluation table "Conclusion of the external expert commission" (EP 6B08602 – Melioration, Recultivation and Land Protection, 7M08602 – Melioration, Recultivation and Land Protection, 6B08401 – Fishery and Industrial Fishing, 7M08401 – Fishery and Industrial Fishing)

№	№	Evaluation criterion	Position of the educational organization			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
Standard " Management of Educational Program "						
1	1.	The University must have a published quality assurance policy.	+			
2	2.	Quality assurance policies should reflect the relationship between research, teaching, and learning.	+			
3	3.	The University must demonstrate the development of a culture of quality assurance, including in the context of EP.	+			
4	4.	Commitment to quality assurance should apply to all activities performed by contractors and partners (outsourcing), including joint/double-degree education and academic mobility.		+		
5	5.	The EP management ensures transparency in the development of the EP development plan based on an analysis of its functioning, the real positioning of the University and the focus of its activities on meeting the needs of the state, employers, stakeholders and students.	+			
6	6.	The EP management demonstrates the functioning of mechanisms for forming and regularly reviewing the EP development plan and monitoring its implementation, evaluating the achievement of training goals, meeting the needs of students, employers and society, and making decisions aimed at continuous improvement of the EP.	+			
7	7.	The management of the EP should involve representatives of groups of interested persons, including employers, students and teaching staff in the formation of the EP development plan.	+			
8	8.	EP leadership must demonstrate the individuality and uniqueness of the development plan of EP, its consistency with national development priorities and development strategy of the organization of education.	+			
9	9.	The University must demonstrate a clear definition of those responsible for business processes within the framework of the EP, an unambiguous distribution of staff responsibilities and differentiation of functions of collegial bodies.	+			
10	10.	The EP management must provide evidence of the	+			

		transparency of the educational program management system.				
11	11.	The management of the EP must demonstrate the successful functioning of the internal quality assurance system of the EP, including its design, management and monitoring, their improvement and fact-based decision-making.	+			
12	12.	The management of the EP should manage risks.	+			
13	13.	The management of the EP should ensure the participation of representatives of interested persons (employers, teaching staff, students) in the collegial management bodies of the educational program, as well as their representativeness in making decisions on the management of the educational program.	+			
14	14.	The University must demonstrate innovation management within the framework of the EP including the analysis and implementation of innovative proposals.	+			
15	15.	The EP management must demonstrate evidence of openness and accessibility to students, faculty, employers and other stakeholders.	+			
16	16.	The management of the EP must be trained in educational management programs.	+			
17	17.	The EP management should strive to ensure that the progress made since the last external quality assurance procedure is taken into account when preparing for the next procedure.	+			
Total by standard			16	1		
Standard " Information Management and Reporting "						
18	1.	The University must ensure the functioning of the system for collecting, analyzing and managing information based on the use of modern information and communication technologies and software.	+			
19	2.	The EP management should demonstrate the systematic use of processed, adequate information to improve the internal quality assurance system.	+			
20	3.	There should be a system of regular reporting that reflects all levels of the structure, including an assessment of the effectiveness and efficiency of departments and research.				
21	4.	The University must establish the frequency, forms and methods of evaluating the management of the EP, the activities of collegial bodies and structural divisions, senior management and the implementation of scientific projects.	+			
22	5.	The University must demonstrate the definition of the procedure and ensuring the protection of information, including the identification of responsible persons for the accuracy and timeliness of information analysis and data provision.	+			
23	6.	An important factor is the involvement of students, employees and teaching staff in the processes of		+		

		collecting and analyzing information, as well as making decisions based on them.				
24	7.	The EP management should demonstrate that there is a mechanism for communication with students, employees, and other stakeholders including mechanisms for conflict resolution.		+		
25	8.	The University should measure the degree of satisfaction with the needs of teaching staff, staff and students in the framework of the EP and demonstrate evidence of elimination of the identified shortcomings.		+		
26	9.	The University should evaluate the effectiveness and efficiency of its activities, including in the context of the EP.	+			
		<i>Information collected and analyzed by the University should take into account:</i>				
27	10.	key performance indicator;	+			
28	11.	dynamics of the contingent of students in the context of forms and types;	+			
29	12.	level of academic performance, achievement of students and the dismissal;	+			
30	13.	students' satisfaction with the implementation of the EP and the quality of education at the University;	+			
31	14.	availability of educational resources and support systems for students;	+			
32	15.	employment and career development of graduates.	+			
33	16.	Students, employees, and teaching staff must document their consent to the processing of personal data.		+		
34	17.	The management of the EP should help to provide all the necessary information in the relevant fields of science.	+			
Total by standard			13	4		
Standard "Development and approval of educational programs"						
33	1.	The University should define and document the procedures for the development of the EP and their approval at the institutional level.	+			
36	2.	The management of the EP should ensure that the developed EP meets the set goals including the expected learning outcomes.	+			
37	3.	The EP management should ensure that there are developed models of the EP graduate describing learning outcomes and personal qualities.	+			
38	4.	The management of the EP must demonstrate the conduct of external reviews of the EP.	+			
39	5.	The qualifications obtained at the end of the EP must be clearly defined, explained and correspond to a certain level of the NSQ.	+			
40	6.	The EP management should determine the impact of disciplines and professional practices on the formation of learning outcomes.		+		

41	7.	An important factor is the ability to prepare students for professional certification.	+			
42	8.	The management of the EP must provide evidence of the participation of students, teaching staff and other stakeholders in the development of the EP, ensuring their quality.	+			
43	9.	The labor intensity of the EP should be clearly defined in Kazakhstan loans and ECTS.	+			
44	10.	The management of the EP should provide the content of academic disciplines and results of training at the level of education (bachelor's, master's, doctoral studies).	+			
45	11.	The structure of the EP should include various types of activities that correspond to the results of training.		+		
46	12.	An important factor is the availability of joint EP with foreign educational organizations.		+		
Total by standard			9	3		
Standard " On-Goig Monitoring and Periodic Review of Educational Programme "						
47	1.	The University should monitor and periodically evaluate the EP in order to ensure that the goal is achieved and meet the needs of students and society. The results of these processes are aimed at continuous improvement of the EP.	+			
		<i>Monitoring and periodic evaluation of the EP should consider:</i>				
48	2.	content of programs in the light of the latest scientific achievements in a particular discipline to ensure the relevance of the discipline taught;	+			
49	3.	changes in the needs of society and the professional environment;		+		
50	4.	load, academic performance and graduation of students;		+		
51	5.	effectiveness of student assessment procedures;	+			
52	6.	expectations, needs, and satisfaction of students with training in EP;	+			
53	7.	educational environment and support services and their compliance with the goals of the EP.	+			
54	8.	The University and the management of the EP must provide evidence of participation of students, employers and other stakeholders in the revision of the EP.	+			
55	9.	All interested parties should be informed of any planned or taken actions in relation to the EP. All changes made to the EP must be published.		+		
56	10.	The management of the EP should ensure that the content and structure of the EP are reviewed, taking into account changes in the labor market, the requirements of employers and the social demand of society.	+			
Total by standard			7	3		
Standard " Student-Centered Learning, Teaching and Performance Evaluation "						

57	1.	The EP management should ensure respect and attention to different groups of students and their needs, and provide them with flexible learning paths.	+			
58	2.	The EP management should ensure that various forms and methods of teaching and learning are used.	+			
59	3.	An important factor is the availability of own research in the field of teaching methods of educational disciplines of the EP.		+		
60	4.	The EP management should demonstrate that there is a feedback system for using various teaching methods and evaluating learning outcomes.	+			
61	5.	The EP management should demonstrate support for students ' autonomy while providing guidance and assistance from the teacher.	+			
62	6.	The EP management must demonstrate that there is a procedure for responding to student complaints.	+			
63	7.	The University must ensure consistency, transparency and objectivity of the learning outcomes assessment mechanism for each EP including the appeal.	+			
64	8.	The University must ensure that the procedures for evaluating the learning outcomes of students in the EP are consistent with the planned learning outcomes and program goals. The evaluation criteria and methods for the EP should be published in advance.	+			
65	9.	The University should determine the mechanisms for ensuring that each graduate of the EP learns the results of training and ensures the completeness of their formation.	+			
66	10.	Evaluators should be familiar with modern methods of evaluating learning outcomes and regularly improve their skills in this area.		+		
Total by standard			8	2		
Standard " Students"						
67	1.	The University must demonstrate the policy of forming a contingent of students from admission to graduation and ensure transparency of its procedures. Procedures governing the life cycle of students (from admission to completion) must be defined, approved, and published.	+			
68	2.	The EP management should demonstrate that special adaptation and support programs are being implemented for newly enrolled and foreign students.	+			
69	3.	The University must demonstrate that its actions comply with the Lisbon recognition Convention.	+			
70	4.	The University should cooperate with other educational organizations and national centers of the " European network of national information centers for academic recognition and mobility/National academic information centers of Recognition " ENIC / NARIC in order to ensure comparable recognition of qualifications.	+			
71	5.	The management of the EP should demonstrate the		+		

		existence and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and non-formal education.				
72	6.	The University should provide opportunities for external and internal mobility of students of the EP, as well as assist them in obtaining external grants for training.	+			
73	7.	The management of the EP should make the maximum amount of effort to provide students with places of practice, promote employment of graduates, and maintain communication with them.		+		
74	8.	The University must provide graduates of the EP with documents confirming their qualifications including the results achieved, as well as the context, content and status of their education and certificates of completion.	+			
75	9.	An important factor is monitoring the employment and professional activities of graduates of the EP.	+			
76	10.	The EP management should actively encourage students to self-education and development outside the main program (extracurricular activities).	+			
77	11.	An important factor is the existence of a functioning alumni Association.	+			
78	12.	An important factor is the availability of a support mechanism for gifted students.	+			
Total by standard			10	2		
Standard " Teaching Staff "						
79	1.	The University must have an objective and transparent personnel policy that includes hiring, professional growth and development of staff, ensuring the professional competence of the entire staff.	+			
80	2.	The University must demonstrate that the personnel potential of the teaching staff corresponds to the development strategy of the University and the specifics of the EP.	+			
81	3.	The management of the EP must demonstrate an awareness of responsibility for its employees and provide them with a favorable working environment.	+			
82	4.	The EP management should demonstrate a change in the role of the teacher in connection with the transition to student-centered learning.	+			
83	5.	The University must determine the contribution of the teaching staff to the implementation of the University's development strategy, and other strategic documents.	+			
84	6.	The University should provide opportunities for career growth and professional development of the teaching staff of the EP.	+			
85	7.	The management of the EP should involve practitioners of the relevant industries in teaching.		+		
86	8.	The management of the EP should provide targeted actions for the development of young teachers.		+		

87	9.	The University must demonstrate motivation for the professional and personal development of teachers of the University, including encouraging both the integration of research and education, and the use of innovative teaching methods.	+			
88	10.	An important factor is the active use of information and communication technologies in the educational process (for example, on-line training, e-portfolio, MOE, etc.).		+		
89	11.	An important factor is the development of academic mobility within the framework of the EP, attracting the best foreign and domestic teachers.		+		
90	12.	An important factor is the involvement of the teaching staff EP to society (the role of them in education, in science, in the region, creating cultural environment, participation in exhibitions, creative competitions, charity programs, etc.).	+			
Total by standard			8	4		
Standard " Education Resources and Student Support Systems "						
91	1.	The management of the EP must demonstrate that the material and technical resources and infrastructure are sufficient.	+			
92	2.	The EP management should demonstrate that there are procedures in place to support various groups of students, including information and counseling.		+		
		<i>The management of the EP must demonstrate that the information resources correspond to the specifics of the EP, including compliance with:</i>				
93	3.	technological support for students and teaching staff in accordance with educational programs (for example, online training, modeling, databases, data analysis programs);		+		
94	4.	library resources, including the collection of educational, methodological and scientific literature on General education, basic and specialized disciplines on paper and electronic media, periodicals, access to scientific databases;		+		
95	5.	access to online educational resources;	+			
96	6.	examination of the results of research, final papers and dissertations for plagiarism;	+			
97	7.	functioning of WI-FI on the territory of the educational organization.	+			
98	8.	The University should strive to ensure that the training equipment and software used for the development of EP are similar to those used in the relevant industries.	+			
99	9.	The University must ensure compliance with safety requirements in the learning process.	+			
100	10.	The University should strive to take into account the needs of various groups of students in the context of EP (adults, working, foreign students as well as students with disabilities).		+		
Total by standard			7	3		

Standard " Public Information "						
		<i>The information published by the University within the framework of the EP must be accurate, objective, relevant and should include:</i>				
101	1.	implemented programs, indicating the expected learning outcomes;	+			
102	2.	information about the possibility of assigning qualifications at the end of the EP;	+			
103	3.	information about teaching, training, and evaluation procedures;	+			
104	4.	information about passing points and training opportunities provided to students;		+		
105	5.	information about employment opportunities for graduates.		+		
106	6.	The management of the EP should use a variety of ways to disseminate information (including mass media, web resources, information networks, etc.) to inform the General public and interested persons.	+			
107	7.	Public awareness should support and explain the country's national development programs and the system of higher and postgraduate education.		+		
108	8.	The University must publish audited financial statements on its own web resource.			+	
109	9.	The University must demonstrate the reflection on the web resource of information that characterizes the University as a whole and in the context of EP.	+			
110	10.	An important factor is the availability of adequate and objective information about the staff of the EP, in the context of personalities.	+			
111	11.	An important factor is to inform the public about cooperation and interaction with partners within the framework of the EP, including scientific/consulting organizations, business partners, social partners and educational organizations.	+			
112	12.	The University should post information and links to external resources based on the results of external assessment procedures.	+			
113	13.	An important factor is the participation of the University and implemented EP in a variety of external assessment procedures.	+			
Total by standard			9	3	1	
Standard " Standards in the context of individual specialties"						
Agricultural industry						
114	1.	In order to familiarize students with the professional environment and current issues in the field of specialization, as well as to acquire skills based on theoretical training, the educational program should include disciplines and activities aimed at obtaining practical experience and skills in the specialty in General and in the profile disciplines in particular, including::	+			

		- excursions to enterprises in the field of specialization (factories, workshops, research institutes, laboratories, educational and experimental farms, etc.), - conducting individual classes or entire disciplines at the enterprise of specialization, - conducting seminars to solve practical problems relevant to enterprises in the field of specialization, etc.				
115	2.	The teaching staff involved in the education program should include full-time teachers who have long-term experience working as a full-time employee at enterprises in the field of specialization of the education program.	+			
116	3.	The content of all the disciplines of the OP should be based in one way or another and include a clear relationship with the content of fundamental natural Sciences, such as mathematics, chemistry, and physics.		+		
117	4.	The management of the EP should provide measures to strengthen practical training in the field of specialization.	+			
118	5.	The EP management should ensure that students are trained in the use of modern information technologies.		+		
Total by standard			3	2		
IN TOTAL			90	27	1	