



«АККРЕДИТТЕУ 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 on assessment on compliance with the requirements of the standards of specialized accreditation of educational programs 6B08301 - Hunting and fur farming, 7M08304 - Rational use of natural bioresources, 6B05201 Natural Resources Using NAO “Kazakh Agrotechnical Research University named after S. Seifullin”

INDEPENDENT ACCREDITATION AND RATING AGENCY
External expert committee

*Addressed to
Accreditation
IAAR Accreditation Council*



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between October 14 and October 16, 2024.

Astana October 16, 2024

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(I) LIST OF NOTATIONS AND ABBREVIATIONS

MNIVO RK - Ministry of Science and Higher Education of the Republic of Kazakhstan

Ministry of Agriculture of the Republic of Kazakhstan - Ministry of Agriculture of the Republic of Kazakhstan

KATIU - Kazakh Agrotechnical Research University named after S. Seifullin. S. Seifullin

GOSO - state obligatory standards of education

IAAR - Independent Agency for Accreditation and Rating

NIR - research work

NIRS - student's research work

NIRM - research work of a master's student

OP - educational program

Faculty - teaching staff

OOD - general education disciplines

BD - basic disciplines

PD - profile disciplines

IGA - final state control

AIC - agro-industrial complex

Research Institute - research institute

Mass media - mass media

UMK - educational-methodical set

UMKD - educational-methodical complex of discipline

RUP - working curriculum

KED - catalog of elective disciplines

IEP - individual educational plan

MEP - modular educational program

RC - boundary control

BRS - point-rating system

IC - final control

TC - current control

IT - information technologies

SWOT - Strengths Weakness Opportunities Threats

ECTS - European Credit Transfer System

QS - Quacquarelli Symonds

(II) INTRODUCTION

According to the order №134-24-OD from 06.09.2024 of the Director General of the Independent Agency for Accreditation and Rating from 14 to 16 October 2024 the external expert commission conducted an assessment of compliance of educational programs 6B08301 - “Hunting and fur farming”, 7M08304 - “Rational use of natural bioresources” (2 years.), 6B05201 - “Natural Resources Using” in NAO “Kazakh Agrotechnical Research University named after S. Seifullin” (Astana) standards of specialized accreditation of educational program of higher and postgraduate education organization NAAR (№ 57-20-OD from “16” June 2020, sixth edition).

The report of the External Expert Commission (EEC) contains the assessment of the submitted educational programs to the criteria of the NAAR standards, recommendations of the EEC on further improvement of the EP and parameters of the EP profile.

Composition of the VEC:

1. Chairperson of the EEC - Gulnara Bayanova Turtkaraeva, member of the IAAR Expert Council on Higher Education, Candidate of Pedagogical Sciences, Associate Professor, Shokan Ualikhanov Kokshetau University (Kokshetau); Off-line participation

2. Foreign expert IAAR - Starciuc Nicolae, dr. PhD, Professor State Agrarian University of Moldova (SAUM); On-line participation

3. IAAR foreign expert - Andrey Bratsikhin, PhD, Rector of FSBEI VO “Izhevsk State Agricultural Academy” (Izhevsk, Udmurt Republic, Russian Federation); On-line participation

4. IAAR Expert - Akylbek Muratovich Nurgaliev, Candidate of Agricultural Sciences, Associate Professor, Zhangir Khan West Kazakhstan Agrarian and Technical University (Uralsk, Republic of Kazakhstan); Off-line participation.

5. IAAR Expert - Aigul Maratovna Taeva, Ph.D., Associate Professor, Almaty Technological University (Almaty); Off-line participation.

6. IAAR Expert - Mardan Nurmukhanbetovich Djulanov, Doctor of Veterinary Sciences, Professor, Kazakh National Agrarian University (Almaty); Off-line participation.

7. IAAR Expert - Larisa Arnoldovna Shkutina, Doctor of Pedagogical Sciences, Professor, Karaganda Buketov University (Karaganda); Off-line participation.

8. IAAR Expert - Oshakbaeva Zhuldyz Oryntaiqyzy, Candidate of Biological Sciences, Associate Professor, M. Dulatov Kostanay Engineering and Economic University (Kostanay); Off-line participation.

9. IAAR Expert - Usenova Lyailya Maulutkanovna, Candidate of Veterinary Sciences, Associate Professor, NAO “Toraigyrov University” (Pavlodar city); Off-line participation.

10. IAAR Expert - Nurzhanova Kulsara Khalimardenovna, Candidate of Agricultural Sciences, Associate Professor, NAO “Shakarim University of Semey city” (Semey city); Off-line participation.

11. IAAR Expert, employer - Dinara Aydarova Sandybayeva, Deputy Director for Academic Work, North-Kazakhstan Professional and Pedagogical College (Petropavlovsk); On-line participation.

12. IAAR expert, employer - Zhantleuov Daniyar Amangeldinovich candidate of agricultural sciences, employee of the North-Kazakhstan Scientific Research Institute of Animal Husbandry and Plant Industry (Petropavlovsk);

13. IAAR expert, student - Fyodor S. Monko, 3rd year student, OP 6B05201 Ecology, Akhmet Baitursynuly Kostanay Regional University (Kostanay); On-line participation

14. IAAR Expert, Student - Beknazar Raushan Rakhymkyzy, 2nd year Master's student, International Engineering and Technology University (Almaty); On-line participation.

15. IAAR expert, student - Rasul Nysanbayuly Karagulov, 3rd year student of OP 6B09103 “Veterinary”, West Kazakhstan Innovation and Technological University (Uralsk); On-line participation.

16. IAAR expert, student - Kairat Aruzhan Ilyaskyzy, 4th year student of Biotechnology, Aktobe Regional University named after K. Zhubanov (Uralsk, Kazakhstan); On-line participation 16. K. Zhubanov (Aktobe); On-line participation

17. IAAR Expert, student - Maria Ostrovskaya, 3rd year student, North-Kazakhstan University named after M. Kozybaev (Aktobe Regional University named after K. Zhubanov (Aktobe, Kazakhstan); On-line participation 17. M. Kozybaev (Petropavlovsk); On-line participation

18. IAAR Expert, student - Aizat Tynchbekovna Abdykadyrova, 1st year master student of Vocational Training, Kyrgyz National Agrarian University named after Skryabin (Bishkek);

19. IAAR-EEC Coordinator - Bekenova Dinara Kairbekovna, IAAR Project Manager (Astana).

(III) REPRESENTATION OF THE EDUCATIONAL ORGANIZATION

NAO “Kazakh Agro-Technical Research University named after S. S. Kuznetsov”. C. Seifullin” (hereinafter - the University) - the largest higher education institution of Central and Northern Kazakhstan in the agricultural sector.

It was founded in 1957 as Akmola Agricultural Institute. For 65 years of activity KATIU has trained and graduated more than 79 thousand specialists and bachelors for agriculture and other branches of economy.

The University implements 136 educational programs at three levels of training: 52 - bachelor's degree, 51 - master's degree, 33 - doctoral degree. More than 33 percent of educational programs are innovative or double-diploma.

Since 2024, the university has introduced post-doctoral training, a new branch in the training of scientists. It is aimed at improving the qualifications of scientists and the development of projects implemented at the university.

In the international rating QS World University 2025 among 5663 world universities KATIU entered the top 1200+.

The position in the QS ranking of Asian universities Asia University Rankings is 351. Among the best universities in Central Asia, the university ranks 19th.

In 2023 for the first time passed the audit of the British rating agency QuacquarelliSymonds, according to the results of which the university was awarded an overall high rating - 4 stars.

The university's position in the QS World Sustainability Rankings sustainability goals ranking is 1051, and the university is ranked 535 for the sustainability goal “Environmental Impact”.

In 2023, the university participated in the UI Green Metric World University Rankings and was ranked 934.

According to the results of the General Rating of TOP-20 HEIs of RK 2024, conducted annually by the Independent Agency for Accreditation and Rating (IAAR), the University was included in the top three best universities of the Republic of Kazakhstan.

Since January 1, 2023 the journal “Bulletin of Science of Kazakh Agrotechnical Research University named after S. Seifullin” was transformed by dividing the journal into two series, thus, in KATIU named after S. Seifullin 2 series are published:

1 “Bulletin of Science of Kazakh Agrotechnical Research University named after S. Seifullin: Interdisciplinary”;

2 “Bulletin of Science of Kazakh Agrotechnical Research University named after S. Seifullin: Veterinary Sciences”.

Accredited educational programs 6B08301 “Hunting and fur farming” and 7M08304 “Rational use of natural bioresources” are served by the department of “Hunting and fishery”, OP 6B05201 “Natural Resources Using” is implemented by the department of “Ecology”. The departments are part of the Faculty of Forestry,

Wildlife and Environment and are located in two buildings of KATIU named after S. Seifullin (in the 5th and 8th academic buildings).

Training of personnel OP 6B08301-Hunting and animal breeding, 7M08304-Rational use of natural bioresources, 6B05201 “Natural Resources Using” in the university is carried out in accordance with the State license for educational activities in the field of higher and postgraduate education №KZ25LAA00035932 from 30.11.2023 (02.07.2008) and annexes to the license for areas of educational activities.

Training of bachelors on OP 6B05201 “Natural Resources Using” began in 1980, on OP 6B08301-Hunting and fur farming - since 1999 in the state, Russian language on a full-time basis on the basis of general, secondary education. The first full-time graduation took place in 2004. The chair “Ecology” is a graduating department in the direction of training 6B052 Environment, the chair “Hunting and fishery” - direction 6B083 Forestry OP 6B08301- Hunting and fur farming, 7M083 Forestry OP 7M08304- Rational use of natural bioresources. The main directions of the departments are training of bachelor's and master's degree students, as well as conducting scientific research in the field of environmental protection and hunting science under the economic-contractual programs and under the programs of “Program-targeted financing and grant financing”.

The department of “Hunting and Fisheries” includes “Kazakhstan-Czech International Scientific Center of Aquaculture”, mini pheasantry, 6 modern classrooms. Department of Ecology has an accredited laboratory “Agroecological testing center”, designed to conduct research to determine the pollution of soil, water, 2 modern educational and scientific laboratories: “Ecological monitoring”, ‘Ecological research’. This laboratory fund allows departments to carry out research work and promotes active participation of teaching staff in funded research projects. Thus, in 2019-2024, over 35% of the faculty of the department of “Hunting and Fisheries” and 62% of the faculty of the department of “Ecology” were involved in scientific grant projects.

According to the results of the National rating of educational programs of NFP RK “Atameken”-2023 on groups of educational programs of bachelor's degree B079- Forestry took the 1st place among 2 universities, the employment rate for NFP RK “Atameken”-2023 was 91%. OP 6B05201 “Natural Resources Using” took the 9th place among 32 universities, the employment rate amounted to - 89%.

In the Independent rating of demand for universities of RK - 2023 conducted by NU “NAAR” in the direction of Master's degree program M133 - Forestry 1 place, Bachelor's degree program B079 - Forestry - 1 place. OP 6B05201 “Natural Resources Using” - 3rd place.

In 2021-2023. OP 6B08301 - Hunting and fur farming, OP 7M08304 - Rational use of natural bioresources and OP 6B05201 “Natural Resources Using” successfully passed the post-accreditation monitoring.

Scientists of the Department of “Hunting and Fisheries” from 2019-2024 performed funded projects (grant funding and PCF) for a total amount of over 130

million (project managers Syzdykov K.N., Aubakirova G.A., Asylbekova A.S.), for the Department of Ecology - for a total amount of 60214066 (project manager Satybaldieva G.K.).

In the period from 2019-2023. Employees of the two departments developed and published more than 70 scientific and educational publications, including in the journals recommended by the CCSON MHIVO RK - 29 articles; in the journals included in the international databases ISI Web of Knowledge, Thomson Reuters (non-zero impact factor), Scopus - 10 articles; RINC - 6 articles, in the proceedings of international conferences - more than 15 articles, patents - 3, acts of implementation in the educational process - 4, monographs - 2.



(IV) A DESCRIPTION OF THE PREVIOUS ACCREDITATION PROCEDURE

In accordance with the order of the Independent Agency for Accreditation and Rating № 14-19-OD dated November 16, 2019, from November 26 to 28, 2019 in the Kazakh Agrotechnical University named after S. Seifullin, the external expert commission conducted an assessment of compliance of educational programs 6B08301 - “Hunting and fur farming”, 7M08304 - “Rational use of natural bioresources” (2 years), 6B05201 - “Natural Resources Using” with the standards of specialized accreditation of the NAAR (№ 10- 17-OD from “24” February 2017, fifth edition).

Composition of the previous EEC at S. Seifullin KATIU (2019):

1. Chairman of the Commission - Akybaeva Gulvira Sovetbekovna, Candidate of Economic Sciences, Associate Professor, Head of the office-registrar, Astana IT University (Nur-Sultan),

2. Foreign expert - Elena Viktorovna Subbotina, Candidate of Economic Sciences, Professor, Russian International Academy of Tourism, expert of “Guild of Experts in the field of professional education”

3. expert - Menlibekova Gulbakhyt Zholdasbekovna, Doctor of Pedagogical Science, Professor, Eurasian National University named after L. Gumilev (Nurasian National University named after L. Gumilev). L. Gumilev (Nur-Sultan),

4. expert - Isakhanov Muratbek Zhanabatyrovich, Candidate of Technical Sciences, Professor, Kazakh National Agrarian University (Almaty).

5. expert - Abdulla Ugubaevich Akhmedyanov, Ph. L. Gumilev Eurasian National University (Nur-Sultan)

6. expert - Farida Ravilovna Gusmanova, Ph.D., associate professor, Al-Farabi Kazakh National University (Almaty),

7. Expert - Maksat Bekbusinovich Ermanov, Senior Lecturer, Aktobe Regional State University named after K. Zhubanov (Aktobe, Kazakhstan). K. Zhubanov (Aktobe),

8. Expert - Chidunchi Irina Yurievna, PhD, Associate Professor, Pavlodar State University named after S. Toraigyrov (Pavlodar), 9. S.Toraigyrov Pavlodar State University (Pavlodar), 87076081575 9. Expert - Salima Manatovna Tugambayeva, PhD, Acting Professor, S. Toraigyrov Pavlodar State University, Pavlodar, 9. Shakarim State University, Semey (Semey),

10. expert - Tamenova Saltanat Sarsenbaevna, Candidate of Economic Sciences, Professor, Turan University (Almaty),

11. Expert - Shaygozova Zhanerke Nauryzbaevna, Candidate of Pedagogical Sciences, Associate Professor, member of the Kazakh National Pedagogical University named after Abay (Almaty), UNESCO expert on art education. Abai Kazakh National Pedagogical University (Almaty),

12. Expert - Lidia Moldabaevna Bekenova, Candidate of Economic Sciences, Associate Professor, Vice-Rector for Educational Work, Almaty Academy of Economics and Statistics (Almaty),

13. Expert - Sabina Batyrkhanova Rakhmetulaeva, PhD, International University of Information Technologies (Almaty),

14. Expert - Sauranbai Sandugash Babagalikyzy, PhD, certified appraiser, Almaty Management University (Almaty),

15. Expert - Valery Aleksandrovich Kalytka, Candidate of Physical and Mathematical Sciences, PhD, Associate Professor (Associate Professor), Karaganda State Technical University,

16. Expert - Lyudmila Vladimirovna Polyakova, Deputy, Kazakhstan Engineering and Technology University (Almaty),

17. Expert - Baikenova Dana Hasenovna, Senior Lecturer, M.Sc., Karaganda State Technical University, 6.

18. expert - Galina Loskutova, Candidate of Technical Sciences, Associate Professor, Department of Chemistry and Biotechnology, Kokshetau State University named after Sh.Ualikhanov. Sh. Ualikhanov

19. Employer - Ualikhan Eralynovich Zhumabekov, Director of PF “International Fund for the Promotion of Technical Education in the CIS countries”, Nur-Sultan city.

20. Employer - Alimbayev Said Tulegenovich, Deputy Director of the Department of Economics and Tariff Formation, Atameken,

21. Student - Taktanov Bekzat Tursynbekuly, student of specialty “Thermal Power Engineering”, member of the RSD “Alliance of Students of Kazakhstan”, Eurasian National University named after L. Gumilev, the University of Eurasia. L. Gumilev,

22. Student - Oralkhanov Berdibek Oralkhanuly, student of the specialty “Information Systems”, member of the RSD “Alliance of Students of Kazakhstan”, L.Gumilev Eurasian National University, 22. L. Gumilev,

23. Student - Tagai Ylzhan Kenzhekhankyzy, a member of the RSD “Alliance of Students of Kazakhstan”, a student of specialty “International Relations”, Eurasian National University named after L.N. Gumilev, 23. L.N. Gumilev,

24. Student - Lesnaya Lyubov Vasilievna, student of the 4th year, Kazakh University of Technology and Business

25. Student - Salykova Zhanar Zhastalapkyzy, 3rd year student, “Turan-Astana” University

26. Observer from the Agency - Aiman Bekbolatovna Nurakhmetova, NAAR Project Manager,

27. Observer from the Agency - Saidullaeva Malika Akhyadovna, NAAR Project Manager.

According to the results of the Independent Agency of Accreditation and Rating OP 6B08301 - Hunting and fur farming, 7M08304 - Rational use of natural bioresources and 6B05201 Natural Resources Using were accredited for 5 years.

According to the results of the EEC evaluation of OP 6B08301 Hunting and fur farming, 7M08304 Rational use of natural bioresources (2 years) the following recommendations were given:

Standard 1, Educational Program Management

VEC recommendation: to intensify the work on the implementation of joint educational programs with domestic and foreign universities, as well as training in a multilingual format in accredited specialties of the cluster (implemented by 50%)

VEC recommendation: to promote the development of the system of support for academic internal and external mobility of teaching staff and students. (The recommendation is implemented (90%).)

Standard 3. “Development and approval of an educational program”

Recommendation of the EEC: to improve the work on professional certification of students of OP Hunting and fur farming, Rational use of natural bioresources in the form of courses on the rational use of biological resources of the RK, legislative bases and others. (VEC recommendation is implemented by 50%).

Standard 4. “Continuous monitoring and periodic evaluation of educational programs”

Recommendation to VEC: to establish work on accredited OPs of the cluster in the field of informing about any planned or undertaken actions regarding OPs, as well as to publish them on the official website of the HEI for familiarization of stakeholders (Degree of implementation 75%).

Standard 5. “Student-Centered Learning, Teaching, and Assessment of Learning”

Recommendation of the VEC: to intensify the work on the development of educational, methodical manuals, textbooks (recommended by the RUMS, Center Textbook, etc.) in the state and English languages on special (professional) disciplines. (The degree of realization is 90%).

Recommendation of the VEC: for OP 6B08301 - Hunting and fur farming, 7M08304 - Rational use of natural bioresources to continue the work on conducting their own research in the field of teaching methodology of academic disciplines. The recommendation of the VEC was implemented by 70%.

Standard 6. “Learners.”

Recommendation of the VEC: to strengthen the work on academic mobility of students through various sources in online or offline modes of learning. The VEC recommendation is realized by 90%.

VEC recommendation: to increase the effectiveness of the work of the Alumni Association, Career and Business Center on participation in the development of the Program of Study and employment. The VEC recommendation is partially implemented by 70%

Standard 7. “Faculty members”

Recommendation of the EEC: to develop and implement a prospective plan for the development of academic mobility of teaching staff within the framework of the OP, as well as to consider the possibility of joint research with leading

specialists from near and far abroad in the areas of the OP. Degree of implementation of the VEC recommendation 75%

Analysis of the implementation of the VEC recommendations demonstrates positive results in most standards, but areas for improvement have been identified. A high degree of implementation of the recommendations is observed in the support of academic mobility and in the development of teaching aids, methodological manuals, textbooks (recommended by the UMO RUMS, Textbook Center, etc.) in the state and English languages, where the degree of implementation was 90%. This indicates the serious work of the university on the quality of educational programs.

For OP 6B05201 Natural Resource Management, the following recommendations were made by the VEC:

Standard “Educational Program Management”

Recommendation of the EEC on EP: to strengthen the quality of measures to improve the indicators of academic mobility of students and faculty, in particular, to identify ways to find additional funding for the organization of internships of students and faculty in universities near and far abroad. *The recommendation has been implemented by 95%.*

Recommendation of the EEC on EPs: to practice training of HEI managers and accredited EPs on educational management programs. *The recommendation is fully implemented 100%.*

Standard “Information Management and Reporting”

Recommendation of the EEC on EP: planned activities and expected results in the EP Development Plans for long-term and short-term periods of time to review in terms of measurability, performance assessment and efficiency. *The recommendation is fully implemented 80%.*

Recommendation of the EEC on the EP: to intensify the work on involvement of all categories of stakeholders: students, employees, faculty and staff in the process of collecting and analyzing information, as well as decision-making on their basis. *Recommendation at the stage of implementation 60%.*

Standard “Development and Approval of Educational Program”

Recommendation of the EEC on OPs: to strengthen measures to organize professional certification procedures for students by organizing additional classes and courses, by expanding the range of relevant specializations within far and near abroad (universities, industrial enterprises, etc.). *The recommendation is implemented at a sufficient level of 70%.*

Recommendation of the EEC on OPs: to consider the possibility of developing joint educational programs with leading foreign educational organizations. *Recommendation implemented by 50%.*

Recommendation of the EEC on the OP: to strengthen the indicators of practical significance (in the conditions of real industrial and agricultural production) and relevance (scientific and scientific-technical) of teaching materials of the OP. *The recommendation is realized at a sufficient level of 85%.*

Standard “Ongoing monitoring and periodic evaluation of educational programs”

Recommendation of the EEC on the RP: any action on the RP should be informed and all changes made should be publicized. *The recommendation is realized at a sufficient level - 80%.*

Recommendation of the VEC on the EP: systematically monitor the satisfaction with the educational process and the EP. *The recommendation is implemented at a sufficient level - 90%.*

Student-Centered Learning, Teaching, and Assessment of Learning standard

Recommendation of the EEC on the OP: to continue the work on conducting own research in the field of methodology of teaching academic disciplines in the context of the OP.

The recommendation is realized at a sufficient level of 95%.

Recommendation of the EEC on the OP: to improve the effectiveness of the work of the Department and faculties' UMS in the context of the OP and specialty, to focus on the indicators of interdisciplinary links, scientific and practical significance of the materials of the disciplines studied. *Recommendation at the stage of implementation 50%.*

The “Learners” standard

Recommendation of the EEC on the OPs: to create a mechanism for attracting foreign students within the framework of academic mobility and to develop a qualitative scheme of academic mobility activities in the context of the OPs in universities and enterprises of far and near abroad. *The recommendation has been implemented by 80%.*

Recommendation of the EEC on OPs: to strengthen the activities on academic mobility of students on the basis of research institutes, research and development departments and centers of far and near abroad. *The recommendation is implemented at a sufficient level of 95%.*

Standard “Faculty and Teaching Effectiveness”

Recommendation of the EEC on the OP: to continue the work on the implementation of the plan for the development of academic mobility within the framework of the OP.

The recommendation is implemented at sufficient 90%.

Recommendation of the EEC on EP: to create a mechanism to attract leading lecturers of EP to participate in academic mobility of foreign and domestic universities, as well as representatives of leading research centers and organizations in Europe and other non-CIS countries. *The recommendation is realized at a sufficient level - 90%.*

Recommendation of the EEC on the OP: to improve conditions (including mechanisms of moral and financial incentives) for the implementation of publication activity of teaching staff in peer-reviewed periodicals with high scientometric indicators (impact-factor >3, quartile Q1-Q3). *Conclusion: The recommendation was implemented -100%.*

Standard “Educational Resources and Student Support Systems”

Recommendation of the EEC on OP: Consider expanding the space of classrooms and study rooms. *The recommendation has been implemented by 80%.*

Recommendation of the EEC on OP: to improve comfort and conditions for students with special educational needs in terms of movement in all buildings of the university, as well as to provide access to medical care. *The recommendation has been implemented -100%.*

Recommendation of the EEC on the OP: to provide a mechanism for the use of information and communication technologies in teaching activities of the OP. *The recommendation is implemented at a sufficient level - 80%.*

VEC recommendation on the OP: to ensure quality functioning of WI-FI within the framework of the OP. *The recommendation is implemented - 100%.*

Public Awareness Standard

Recommendation of the EEC on RPs: utilize a variety of information dissemination methods to inform the general public and stakeholders about the ongoing work on all RPs. *The recommendation is 70% implemented.*

Standards in the context of individual specialties

Recommendation of the EEC on the OP: to strengthen the indicators of scientific novelty, scientific and practical significance and relevance of the results of research work of teaching staff, in the direction of increasing the scientometric characteristics of publications and publication activity of teaching staff, in the form of scientific articles in periodical scientific journals with high quartile (Q3-Q1), included in the International Databases Web of Science and Scopus, including peer-reviewed periodicals included in the databases PubMed, GeoRef, zbMath, Math. Sc.Net, in the context of OP specialty 6B05201 - Natural Resources Using (Bachelor's degree). *The recommendation is realized at a sufficient level of 70%.*

Recommendation of the EEC on OP: within the framework of dual training programs and certification of teaching staff, to intensify the activities on internships and professional development courses for teaching staff 6B05201 Natural Resources Using Bachelor's degree on the basis of regional and republican enterprises. *The recommendation is realized at a sufficient level - 90%.*

Analysis of the implementation of the recommendations of the EEC on the program 6B05201 “Natural Resources Using” shows a high level of implementation, especially in the field of academic mobility (95%) and training of managers (100%). In general, the program demonstrates positive dynamics.

(V) DESCRIPTION OF THE VISIT

The work of the EEC was carried out on the basis of the approved Program of the visit of the expert commission for specialized accreditation of educational program.

In order to coordinate the work of the EEC, an introductory meeting in online mode was held on October 13, 2024, during which the powers were distributed among the members of the commission, the schedule of the visit was clarified, and agreement was reached on the choice of methods of expertise of the evaluated EPs.

To obtain objective information about the quality of educational programs and the entire infrastructure of the university, to clarify the content of the self-assessment reports, all activities according to the program of the visit were held meetings with the Chairman of the Board, vice-rectors of the university in areas of activity, heads of structural units, directors, heads of OPs, teaching staff, students, graduates, employers. A total of 246 representatives took part in the meetings (Table 1).

Table 1 - Information on staff and trainees who participated in meetings with the NAAR VEC according to the program:

Category of participants	Quantity
Chairman of the Board-Rector (acting)	1
Members of the Board-Vice-Chancellors	4
Heads of structural divisions	26
Deans	3
Heads of OPs	7
Teachers	55
Learners	58
Graduates	54
Employers and representatives of the practice base	38
Total	246

Visual inspection was conducted to get a general idea of the University in terms of educational, scientific and methodological processes, material and technical base, creation of equal conditions and barrier-free access to educational services for students with special educational needs, determining its compliance with standards, as well as for contacts with students and staff at their workplaces, library, gyms, medical center, etc. The visual inspection was conducted to get a general idea of the University.

During the work VEC members visited the following internship bases: LLP “Astana Ormany”, LLP “Maybalyk Fish Nursery”, RGU “Department of Ecology on Astana city” of the Committee of Ecological Regulation and Control of the Ministry of Ecology and Natural Resources of the Republic of Kazakhstan, National Hydrometeorological Service of the Republic of Kazakhstan, LLP “Ashyk Aspan-Astana”, RSE on PVC “National Veterinary Reference Center” of

the Committee for Veterinary Control and Supervision of the Ministry of Agriculture of the Republic of Kazakhstan, RSE on PVC “Republican Veterinary Laboratory” of the Committee for Veterinary Control and Supervision of the Ministry of Agriculture of the Republic of Kazakhstan, Communal state enterprise on the right of economic management “Astana Vetservice” of the akimat of Astana city“, LLP ‘Tselinnaya’ factory of Delicatessen Republic of Kazakhstan, RGU ‘Republican anti-epizootic detachment’ of the Committee of veterinary control and supervision of the Ministry of Agriculture of the Republic of Kazakhstan”, Limited Liability Partnership Astana auyl sharuashylyғы өнімдери зертханасы of the Ministry of Agriculture of the Republic of Kazakhstan”, KGP on PCV “Tselinograd district veterinary station” of Akmola oblast, AKA LLP, LLP AF “Rodina”, PK “Izhevsk”, KT “Zinchenko and Co”, KGP on PCV “Shetskaya district veterinary station” of Karaganda oblast, KGP on PCV “Nurinskaya district veterinary station” of Karaganda oblast, KGP on PCV “Ylytau district veterinary station” of Ulytau oblast, KGP on PCV “Zhanaarka district veterinary station” of Ulytau oblast, KGP on PCV “Pavlodar oblast veterinary station”, LLP “National Center of Biotechnology”. , Scientific and Production Platform of Agricultural Biotechnology, “Kaz Beef LTD” LLP, “Scientific and Production Center of Animal Husbandry and Veterinary Medicine” LLP, Union of Poultry Breeders of Kazakhstan, College of Service and Tourism, ASTANA POLYTECHNIC.

In accordance with the accreditation procedure, 91 faculty members and 97 students were surveyed.

In order to confirm the information presented in the Self-Assessment Report, external experts requested and analyzed the working documentation of the university. At the same time, the experts studied the university's Internet positioning through the official website of the university <https://kazatu.edu.kz/ru>.

Within the framework of the planned program, the recommendations to improve the accredited educational programs of NAO “Kazakh Agrotechnical Research University named after S. Seifullin”, developed by the VEC according to the results of the examination, were presented at the meeting with the management on 16.10.2024.

VI COMPLIANCE WITH SPECIALIZED ACCREDITATION STANDARDS

6.1 Standard “Educational Program Management”

- The university must demonstrate the development of the purpose and strategy of the EP development based on the analysis of external and internal factors with a wide involvement of a variety of stakeholders.

- Quality assurance policy should reflect the link between research, teaching and learning.

- The HEI demonstrates the development of a quality assurance culture.

- The commitment to quality assurance should apply to any activities performed by contractors and partners (outsourcing), including in the implementation of joint/dual degree education and academic mobility.

- The EP management ensures transparency of the EP development plan elaboration based on the analysis of its functioning, real positioning of the HEI and orientation of its activities to meet the needs of the state, employers, stakeholders and learners.

- The EP management demonstrates the functioning of the mechanisms of formation and regular revision of the EP development plan and monitoring of its implementation, assessment of the achievement of learning objectives, compliance with the needs of students, employers and society, decision-making aimed at continuous improvement of the EP.

- The EP management should involve representatives of stakeholder groups, including employers, students and faculty in the formation of the EP development plan.

- The management of the EP should demonstrate the individuality and uniqueness of the EP development plan, its consistency with the national development priorities and the development strategy of the educational organization.

- The university should demonstrate a clear definition of those responsible for business processes within the OP, distribution of staff job responsibilities, delineation of functions of collegial bodies.

- The management of the OP ensures coordination of activities of all persons involved in the development and management of the OP and its continuous implementation, as well as involves all stakeholders in this process.

- The management of the RP should ensure that the management system is transparent, that the internal quality assurance system is functioning, including its design, management and monitoring, and that appropriate decisions are taken.

- The management of the RP should carry out risk management.

- The EP management should ensure the participation of representatives of stakeholders (employers, faculty, students) in the collegial management bodies of the educational program, as well as their representativeness when making decisions on the management of the educational program.

- The university must demonstrate innovation management within the framework of the EP, including the analysis and implementation of innovative proposals.
- Management of the EP should demonstrate its openness and accessibility for students, employers and other stakeholders.
- The management of the EP confirms the completion of training on image management programs

Evidentiary part

Implementation of educational programs on OP 6B08301 - "Hunting and fur farming" and 7M08304 - "Rational use of natural bioresources" is carried out by the Department of "Hunting and fishery", 6B05201 - "Natural Resources Using" - by the Department of "Ecology" KATIU named after S. Seifullin

For all educational programs the approach based on the State obligatory standards of higher and postgraduate education, approved by the orders of the Ministry of Education and Science of RK from October 31, 2018 № 604 (with amendments from July 20, 2022 № 2) is used.

For the implementation of educational programs there are plans for their development, which take into account the opinions of employers and students, as well as the experience of foreign and domestic universities.

Development plans of OP 6B08301 - "Hunting and fur farming", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using" are regularly discussed, revised and supplemented at the meetings of the department (for the department "Hunting and fishery" - protocol № 10 from 07.04.2023, protocol № 11 from 11.05.2023, at the department "Ecology" - protocol № 10 from 10.05.2023, protocol № 13 from 26.06.2023). The periodicity of revision of the OP development plan is carried out in the process of updating and supplementing the strategy and policy of the university - once a year.

OP development plans also include risk management, where measures to reduce and prevent risks in the implementation of educational programs are described. The general risks for all OPs are insufficient provision of educational and methodical literature in the state and English languages, the use of traditional methods of teaching, small groups of students in the Russian language.

Quality assurance policy in NAO "KATIU named after S. Seifullin", approved by the Academic Council on September 28, 2023, is aimed at integrating research, teaching and learning in a single system, which ensures high quality standards of education and training of specialists.

On OP 6B08301 "Hunting and fur farming" and 7M08304 "Rational use of natural bioresources" the department conducts research on artificial breeding and introduction of common pheasant, common quail and gray partridge in the green belt of Astana. The results of these studies are used in educational disciplines "Game breeding" (theme "Biological justification for artificial breeding and introduction of common quail and gray partridge in the territories of the green belt of Nur-Sultan. Nur-Sultan". Act of introduction from 12.02.2024) and

“Biotechnology and protection of natural resources” (theme “Development of biological justification for artificial breeding and introduction of common pheasant (*Fasianuscolchicus*) in the green belt of Nur-Sultan”, act of introduction from 12.02.2024).

On OP 6B05201 - “Natural Resources Using” associate professor of the department A.A. Perzadaeva on the results of research work on the topic “Ecological assessment of the progressive state of the atmospheric air of transport flow on the main roads of Astana” in the educational-methodological complex of the discipline “Ecological Chemistry” were included video lectures on 10 topics (minutes of the meeting of the department № 5 from 07.12.2023, certificate of justification No. 5980 from 14.04.2023 on the availability of video-lecture course, certificate-confirmation of IMS and DT DAV on the receipt of expert opinion on the quality of video content No. 1.5.1-14/8749 from 13.06.2024).

In the reporting period, the Department of Ecology implemented two research projects: 1) IRN № AP09259969 “Ecological monitoring of water bodies of Northern Kazakhstan” (2021-2023), project leader - Candidate of Biological Sciences, Associate Professor Satybaldieva G.K.; 2) IRN № AP19679749 “Mapping of field forest strips in Akmola region” (2023-2025), the performer - Candidate of Technical Sciences, Associate Professor A.A. Perzadaeva.

Students are also involved in scientific projects, so students of group 2002 Keenes A.B., group 2004 Homer V.Y. under the labor contract with the university participated in the scientific project IRN AR 09259969 “Ecological monitoring of water bodies of Northern Kazakhstan” (labor contract for the time of implementation of research ¹157/4 from 01.02. 2022 and ¹154/4 from 02.05.2023).

At the departments of accredited OP annually at the beginning of the academic year between the teachers are distributed responsibilities for the implementation of individual processes within the framework of educational programs (order of the department “Hunting and Fisheries” №1 from 27.08.2024, minutes № 2 of the meeting of the Department of Ecology from 30.09.2024).

Analytical part

VEC having conducted meetings, discussions and interviewing with the rector, vice-rectors, heads of departments, heads of structural subdivisions, students, teaching staff, representatives of employers' organizations and graduates, as well as carrying out a survey of teaching staff and students, detailed familiarization of experts with the educational infrastructure of the university, material, technical, information and methodological resources and necessary documents notes that the transparency and collegiality of the university's management of the main processes, as well as the activities of the Academic Council, the Rectorate, the Academic Quality Committee. This is evidenced by the activities of the Academic Council, Rectorate, Academic Quality Committee, which provide management of the main processes of the University.

Logically built and consistent system of internal quality assurance of the university (Internal Quality Assurance Policy and Standards, IQA of the university) forms the culture of quality at all levels of the university functioning.

During the familiarization with the Development Plans of EPs their uniqueness and individuality is not traced, as the planned activities are similar to the plans of other universities of RK. It is necessary for the EP management to revise the development plan of accredited EPs in order to determine their own indicators that distinguish them from the plans of other educational programs of universities of RK, as well as taking into account the need for personnel in the regional sector in accordance with the Development Strategy of KATIU named after S. Seifullin.

For the development and revision of the OP all interested stakeholders are involved, but the Commission notes insufficient work in this regard for the educational program “Natural Resources Using”.

The External Expert Commission also notes that some of the recommendations of the previous accreditation, post-monitoring have been partially implemented.

Strengths/best practices:

- None identified

Recommendations:

1. For the OP “Natural Resources Using” on a permanent basis to involve representatives of all stakeholder groups in the process of updating the OP.

2. Management of the OPs should provide in the content of the Development Plan of accredited OPs the indicators of individuality, uniqueness and consistency, taking into account regional and national priorities in the field of hunting science, rational use of natural resources and ecology in accordance with the University Strategy. Term: by the beginning of 2025 - 2026 academic year.

3. Management of all OPs to finalize the work on the implementation of the recommendation of the previous accreditation and post-monitoring. Deadline: by the beginning of 2025-2026 academic year.

VEC Criteria Conclusions:

According to the standard “Educational Program Management” 17 criteria are disclosed, 16 of which have a satisfactory position, 1 position implies improvement.

6.2 Standard “Information Management and Reporting”

- The university should ensure the functioning of the system of collection, analysis and management of information on the basis of modern information and communication technologies and software tools.

- The EP management demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system.
- The EP management demonstrates the availability of the reporting system reflecting the activities of all structural units and departments within the framework of the EP, including the assessment of their performance.
- The University is obliged to determine the frequency, forms and methods of evaluation of the EP management, activities of collegial bodies and structural units, top management.
- The University is obliged to demonstrate the mechanism of information protection, including the identification of responsible persons for the reliability and timeliness of information analysis and data submission.
- The university demonstrates the involvement of students, employees and faculty in the processes of collecting and analyzing information, as well as decision-making on their basis.
- The management of the EP should demonstrate the existence of mechanisms of communication with students, employees and other stakeholders, including conflict resolution.
- The University is obliged to provide measurement of the degree of satisfaction of the needs of the teaching staff, staff and students within the framework of the EP and demonstrate evidence of elimination of the identified shortcomings.
- The University is obliged to assess the effectiveness and efficiency of activities, including in the context of the OP.

The information collected and analyzed by the HEI within the framework of the OP should take into account:

- key performance indicators;
 - dynamics of the contingent of students in the context of forms and types;
 - level of academic performance, students' achievements and dropouts;
 - satisfaction of students with the implementation of the OP and the quality of education at the university;
 - availability of educational resources and support systems for students;
 - employment and career development of graduates.
- Students, staff and teaching staff should document their consent to the processing of personal data.
- OP management should facilitate the provision of all necessary information in the relevant fields of sciences.

Evidentiary part

There is a positive dynamics of information management process, its collection and analysis in the University. The system of collection, analysis and management of information based on the use of modern ICT and software tools functions at all levels and units of the University through the AIS “PLATONUS” (<https://platonus.kazatu.kz>). The system provides opportunities to manage the academic calendar, formation of individual plans, placement of teaching and

learning materials, formation of examination reports, current testing of students in classes, questionnaires. Integration of data by means of “PLATONUS” (<https://platonus.kazatu.kz>) provides accessibility of educational resources and support systems for students, obtaining information intended for the operational and strategic management of the university. Information management in the university is characterized by the presence of stable information flows: direct.

Currently, the Kazakh Agrotechnical Research University named after S. Seifullin has an electronic document management system “Workspace” (<https://katru.workspace.kz/>) to which all departments, services and academic units are connected. It is a platform for collaborative work and project management. This system allows receiving and sending letters from the State bodies and Ministry of Education and Science of the Republic of Kazakhstan, as well as private firms integrated into the EDI system. Acquisition of the electronic document management system has reduced and improved the internal business processes of the university.

The university has implemented the following systems for information management:

Educational portal <http://portal.kazatu.kz> provides access to the documents of S. Seifullin KATIU, curricula, methodological materials, class schedules and results of evaluation of students.

Developed by the staff of the Department of Information Technology AIS “Teaming” - a system of travel management, which allows you to make an application for travel at the moment and make a planned calculation for faculty and students. AIS “Teaming” is made on the basis of the Decree on reimbursement of expenses № 108, the Decree on approval of rules № 1428 and paragraph 8 Own funds of JSC “KATU” regulations on limits and regulations of JSC “Kazakh Agrotechnical University named after S. Seifullin”. S. Seifullin”, and allows to automatically calculate travel expenses for faculty and students.

AIS “Electronic journal of the curator” - a system for accounting and monitoring of students' progress.

AIS “Personnel” - a system for managing personnel data.

AIS “Risk Management” - a system for risk management and analysis.

Platonus system - a comprehensive system for managing the educational process.

Operational management of information exchange between departments is carried out through the electronic document management system.

To ensure the security of information systems of the University developed “Regulations on Information Security Policy in KATIU named after S. Seifullin” PPIB VND 09.9015 - 2021, approved by the Order of the Chairman of the Board-Rector №61-N of 03.02.2021. The Department of Digitalization monitors and analyzes the network infrastructure of the University, identifies violations of the rules of use of network equipment and local network. The Department of Information Technology monitors the created automated information systems and issues data for authorization.

S.Seifullin KATU ensures the protection of information stored in information system databases through strict user authentication using logins and passwords. Confidentiality and data integrity are guaranteed for the following categories of information: student and teacher training data, educational process data (grades, recommendations), teaching materials, scientific work, graduation papers and master's theses. The University library offers access to electronic information resources through the Internet system provided by Kazakhtelecom JSC. Access to the electronic library is carried out through educational portals www.kazatu.kz, sdo.agun.kz, portal.agun.kz. There is no www.kazatu.kz.

Within the framework of the accredited educational program, a regular reporting system is implemented, reflecting the activities of the department as a structural unit implementing this educational program, including an assessment of its effectiveness. The Facebook group of the Faculty of Forestry, Wildlife and Environment - Seifullin University is actively functioning, where information about events is posted, creative projects are published, etc. To measure the satisfaction of the teaching staff and personnel, the university conducts an annual survey, including an assessment of the work of services and departments. Students also participate in the survey "The Teacher - through the Eyes of Students", the results of which are discussed at meetings of the department and the university.

At the end of the academic year, a survey "Quality of knowledge" is conducted, where students evaluate the teaching staff on a 5-point scale. The results are summarized in a table, endorsed by the DAV and sent to the management of the EP via the Workspace system. The needs of the teaching staff and personnel are assessed through certification and competitions for vacant positions. Student satisfaction is determined by the results of control measures and the accumulated GPA.

The assessment of the effectiveness and efficiency of information is carried out through surveys of competent experts and employers from the fisheries industry. These experts evaluate the results of the formation of educational programs (EP) and determine their effectiveness in terms of the demand for graduates and their employment. The effectiveness is also determined by the quality of training specialists, which is confirmed by the results of the final state certification (FSC) and reviews of the FSC chairmen and employers. The effectiveness of the EP is determined by the stability of the training of specialists and the content of the program, taking into account that 55% of the disciplines meet modern environmental requirements and modern technological methods in hunting and animal husbandry.

The following collegial bodies are involved in the evaluation process of the EP: the academic council (AC) of the faculty and the university, the academic councils of the faculty and the university, the academic committee, the vice-rector for academic affairs, the director of the Department of Academic Affairs, deans, heads of departments, employers, students and the teaching staff. These bodies evaluate the report of the EP management on the work carried out to improve the

quality of the program and the implementation of measures in accordance with the EP development plan.

Analytical part

The members of the EEC note that the university has a multi-level information management and reporting system. The university has implemented information management processes, including collection and analysis. The structure and volume of collected information, sources, frequency, time interval, persons responsible for reliability and timeliness are determined by internal regulatory documentation.

According to regulated procedures, the university collects and analyzes data to assess the effectiveness of activities, determine the degree of implementation of goals and objectives, opportunities for continuous improvement of the service provided - the implementation of EPs at all levels. Information collected within the framework of the University's activities, including through statistical processing of information, reporting and the results of internal audits, allows for the formation of analytical reports and decision-making based on facts. Feedback is provided through electronic document management, regular questionnaires, personal inquiries, applications, memos, and the rector's blog.

Particular attention is paid to internal audit and systematic review of the effectiveness of decisions taken, and monitoring of the activities of departments and programs at meetings of the Academic Council.

Consumer feedback, questionnaires, surveys, and media reports are used as sources of information on consumer satisfaction with the level of educational services. Information obtained from these sources of information is used in the analysis by the university management and in the implementation of corrective actions. The minutes of department meetings reflect the results of the analysis of the achievements of the EP goal, as well as ways to improve the effectiveness of the educational program. The storage of management documentation of structural divisions is carried out in accordance with the requirements of the nomenclature of cases. However, based on the results of interviews with the heads of structural divisions, with the teaching staff, with students and employers, the VEK experts note the lack of tools and mechanisms for explaining to stakeholders the measures taken based on the results of appeals, questionnaires, etc.

The EEC experts note that the university ensures the functioning of the system of collection, analysis and management of information based on the use of modern information and communication technologies and software. The information collected and analyzed by the university takes into account: the level of academic performance, student achievements and expulsion. The assessment of information management and reporting processes at the university is carried out on the basis of satisfying the needs of the individual for intellectual, cultural and moral development; satisfying the needs of employers for qualified specialists; organizing and conducting fundamental and applied scientific research.

The external expert commission also notes that not all teachers have documented consent to the processing of personal data in their personal files.

In general, the EEC notes that the university uses modern information systems, information and communication technologies and software for the purpose of information management.

Strengths/best practices:

- not identified

Recommendations:

1. The university management should complete the work on collecting the consent of the teaching staff for the processing of personal data by 30.12.2024.

Conclusions of the VEK based on the criteria:

According to the standard "Information Management and Reporting", 17 criteria are disclosed, of which 16 have a satisfactory position, 1 position suggests improvement.

6.3. Standard "Development and approval of the educational program"

- *The university must demonstrate the existence of a documented procedure for developing the EP and its approval at the institutional level.*
- *The university must demonstrate the compliance of the developed EP with the established objectives and planned learning outcomes.*
- *The management of the EP must determine the influence of disciplines and professional practices on the formation of learning outcomes.*
- *The university can demonstrate the existence of a model of the EP graduate describing the learning outcomes and personal qualities.*
 - *The qualification awarded upon completion of the EP must be clearly defined, explained and correspond to a certain level of the NSC, QF-EHEA.*
 - *The management of the EP must demonstrate the modular structure of the programme based on the European Credit Transfer and Accumulation System (ECTS), ensure that the EP and its modules (in terms of content and structure) correspond to the set objectives with a focus on achieving the planned learning outcomes.*
 - *The management of the EP must ensure that the content of academic disciplines and learning outcomes correspond to each other and to the level of study (bachelor's, master's, doctoral).*
 - *The management of the educational program must demonstrate that external examinations of the educational program have been conducted.*

- *The management of the educational program must provide evidence of the participation of students, faculty and other stakeholders in the development of the educational program and ensuring its quality.*

- *The management of the educational program must demonstrate the positioning of the educational program in the educational market (regional/national/international), its uniqueness.*

- *An important factor is the possibility of preparing students for professional certification.*

- *An important factor is the availability of a double-degree program and/or joint programs with foreign universities.*

Evidential part

The development and approval of the EP at the University is carried out in accordance with the provisions of regulatory legal acts in the field of higher and postgraduate education, as well as in accordance with the documentation developed at the university and necessary for the effective functioning of the educational process.

Educational programs 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using" have been developed in accordance with scientific, theoretical and practice-oriented requirements for professional and social competencies.

The procedure for the development, approval and examination of the EP of higher postgraduate education is determined by the "Rules for the development of approval of educational programs". The list of educational programs of the university is posted in the information system "register of educational programs" of the National Center for Higher Education Development of the Ministry of National Economy and Higher Education of the Republic of Kazakhstan and on the university website.

The functions for developing the EP are assigned to the Academic Committee, which includes: experienced teachers, employers and students. In the 2023-2024 academic year, according to the order of S. Seifullin KATIU, the following teachers will be included: Associate Professor, PhD in Veterinary Sciences Syzdykov K.N., PhD in Agricultural Sciences, Assoc. Professor Narbaev S., PhD in Biological Sciences, Associate Professor Bekeyeva S.A., from employers Berber A.P., Senior Researcher at Zhivaya Priroda LLC, PhD in Biological Sciences, from students Samatova D., student of EP 6B08301-"Hunting and Animal Husbandry".

The development and approval of the EP at the university is carried out in accordance with the Regulation on the procedure for the development, approval, implementation and updating of educational programs, approved by the decision of the Academic Council of the NAO "KATIU im. S. Seifullin" dated 04/25/2024, protocol No. 13.

The procedure for developing an EP includes: Appointment of a committee on curricula and programs; Drawing up and discussing the working curriculum at the department; Preparation of EP documents (RUP, MOP, KED); Review of the EP by external reviewers; Consideration and approval by the academic council and academic council; Updating and developing the EUMKD; Formation of individual curricula.

When involving employers in the implementation of the EP, their qualifications are taken into account - work experience in the educational institution, availability of an academic degree, title, etc. Representativeness of employers' involvement is ensured by involving representatives of state educational organizations, as well as national and private institutions that are strategic partners in the Academic Quality Committee. For example, over the past 3 years, the following have been representatives of employers of the Academic Committee in the direction of Hunting and Fur Farming: Chairman of the Board of the Public Organization "Society of Hunters and Fishermen of Astana and Akmola Region" Mironchuk I.I., Chief Specialist of the "PO" "Okhotzooptom" Isakhaev B.A., Chief Expert of the Committee for Forestry and Wildlife of the Ministry of Economy and Natural Resources of the Republic of Kazakhstan Bolozh S.S., Senior Researcher of LLP "Living Nature" Berber S.P. Students: Pazyl T.K., Master's student, Mendybaeva L.Zh., student, Samatova D., student. Thus, the composition of the Academic Committees represents a kind of competent business community involved in the development of the EP. The following types of professional and other competencies are in demand by employers from students of the EP 6B08301-"Hunting and Animal Husbandry", 7M08302-"Rational Use of Natural Bioresources": communication, research, value-semantic, educational and cognitive, informational, digital competencies of personal self-improvement.

Educational programs are approved by the Chairman of the Board - Rector of NAO "KATIU named after S. Seifullin" and are implemented independently for the entire period of study in 3 languages (Kazakh, English, Russian).

The implementation of the EP is aimed at forming the professional competence of future graduates that correspond to the qualification framework that meets the needs of the labor market.

Specialists - practitioners actively participate in the educational process. The practical focus of the accredited EPs is respectively carried out in the Committee for Forestry and Wildlife of the MEiPR RK, regional inspections of the KLHZZM MEiPR RK, the public association of hunters "Kansonar", the RSE "PO Okhotzooptom", the GNPP "Burabay", the GPZ "Korgalzhyn", the Regional Society of Hunters and Fishermen of Astana and Akmola Region, as well as other entities in the field of hunting and animal husbandry. According to the educational program 6B08301-Hunting and animal husbandry, students in the discipline "Game breeding" with a dual educational program take a lecture and practical training at Astana Ormany LLC.

In order to ensure quality, the university improves the educational program through the mechanism of internal and external evaluation of the educational

program quality. Internal examination is carried out by involving experienced teachers and heads of structural divisions; invited experts, representatives of the business community, and employers, if they have the appropriate qualifications, participate in the external examination procedure.

Every year, when updating and updating OP 6B08301-"Hunting and Animal Husbandry" and 7M08302-"Rational Use of Natural Bioresources", an external examination of educational programs is carried out by employers: senior employee of TOO "Living Nature of Kazakhstan" Berber A.P., leading specialists of the State Enterprise of the PO "Okhotzoprom" of the Committee for Forestry and Wildlife of the Ministry of Ecology and Natural Resources of the Republic of Kazakhstan Isakhayev B., Aliyev M., Republican Association "Kansonar" S. Igilikov, TOO "Intisar-Invest" Leontyev S.V., GNPP "Buiratau" Pazyl T., "Institute of Zoology" Tuganbekov A.B., Chairman of the OO and R of Astana and Akmola Region Mironchuk I.I.

The educational program has developed graduate models, the content of which describes the areas of professional activity of graduates, personal qualities and competencies of the graduate in professional activity.

Analytical part

The development and approval of the content of the EP is carried out in accordance with the Academic Policy of the University. The analysis of the submitted documents, the results of the survey of the teaching staff and employers, as well as students, allow us to assert that interested parties are involved in the design of the EP. The content of academic disciplines within the educational programs generally takes into account the situation on the labor market, the requirements of employers and the needs of consumers. Documents are presented demonstrating the systematic work on the quality of modular educational programs.

The introduction of modern research into the educational program is realized through the inclusion of specific disciplines in the educational program, updating of disciplines and their content, as well as through the publication of educational, educational and methodological literature and the publication of scientific articles.

The analysis of the received expert opinions showed the importance of high-quality filling of the substantive part of the external examination in accordance with the level of preparation. In the substantive part of the expert opinions on the OP Natural Resources Using, received from 2 organizations (the Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan, the laboratory of environmental biotechnology), the same description is noted, with the exception of two paragraphs. Conducting external examinations for educational programs should not be formal in nature.

The management of OP 7M08304 - "Rational Use of Natural Bioresources" (2 years), 6B05201 - "Natural Resources Using" to involve representatives of other universities, strategic partners, employers in conducting an external examination.

The members of the EEC note that during the interview, the employers of the OP expressed a desire for the need to strengthen the practical training of students for the rapid adaptation of graduates of the OP to the realities of the labor market. Also, during the interview with students of the OP, an opinion was expressed on increasing the time of industrial practice at enterprises.

The members of the EEC note the need to create conditions for professional certification of students of OP 6B05201 - "Natural Resources Using" in the field of environmental design with the possible involvement of practitioners in this area.

The quality assessment of the educational program was carried out based on the analysis of curricula, the catalog of elective disciplines, teaching and methodological complexes, meetings with students, teaching staff, attendance at classes, and practice bases. During meetings with teaching staff, employers, and students of the educational program, it was established that they have an idea of the methods and forms of inclusion in the work on developing educational programs.

An important factor is the development of joint educational programs with foreign educational organizations. Based on the agreement on mutual cooperation in the field of provision of educational services between the Federal State Budgetary Educational Institution of Higher Education "Irkutsk State Agrarian University" and the National Joint-Stock Company "Kazakh Agrotechnical University named after S. Seifullin" (agreement No. 221/411 dated 03.12.2020), a comparative analysis of the list of disciplines was carried out in order to harmonize the content of educational programs and develop the SOP OP 6B08301 - "Hunting and Animal Husbandry". The same work is being carried out with the Belarusian Technical University on OP 6B05201 "Natural Resources Using". However, the VEC experts note the lack of targeted actions on the part of the OP management to develop joint/dual-diploma educational programs.

Strengths/best practices:

-not identified

Recommendations:

1. The management of the educational program "Natural Resources Using" shall provide for the possibility of organizing preparation for professional certification of students. Deadline - before the beginning of the 2025-2026 academic year.

2. For educational programs 6B08301 - "Hunting and Animal Husbandry" and 7M08304 - "Rational Use of Natural Bioresources", 6B05201 - "Natural Resources Using", consider the possibility of developing joint educational programs with foreign universities. Deadline - before the beginning of the 2025-2026 academic year.

Conclusions of the VEK based on the criteria:

According to the standard “Development and approval of educational programs”, 12 criteria are disclosed, of which 10 have a satisfactory position, 2 positions suggest improvement.

6.4. Standard “Continuous monitoring and periodic evaluation of educational programs”

- The HEI should ensure that the content and structure of the EP is reviewed taking into account changes in the labour market, employers’ demands and the social demands of society.

- The HEI should demonstrate the existence of a documented procedure for monitoring and periodic evaluation of the EP to achieve the EP objective. The results of these procedures are aimed at continuous improvement of the EP. Monitoring and periodic evaluation of the EP should consider:

- the content of the programmes in the context of the latest scientific and technological advances in a particular discipline;
- changes in the needs of society and the professional environment;
- the workload, academic performance and graduation of students;
- the effectiveness of student assessment procedures;
- the needs and level of student satisfaction;
- the conformity of the educational environment and the activities of support services with the EP objectives.

- All stakeholders should be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP should be published.

- Support services should identify the needs of different groups of students and the degree of their satisfaction with the organization of learning, teaching, assessment, and mastery of the educational program as a whole.

Evidential part

The educational policy of the university is implemented in accordance with the legislative acts of international and national legislation in the field of higher and postgraduate education.

The quality guarantee at the university is the process approach within the framework of current regulatory documents that ensure and control the monitoring of educational programs and determines the quality of the structure and content of the EP, EP development plans, satisfaction of stakeholders (employers, students, teachers, etc.) with the quality of educational services. The procedure for making changes to the EP, monitoring and periodic evaluation of the EP is regulated by the internal document "Regulations on the procedure for developing, approving, implementing and updating educational programs" (approved by the decision of the Academic Council of the university on April 25, 2024, protocol No. 13).

Changes are initiated by employers, students, teachers. The wishes of employers, students and teachers are identified during annually conducted sociological surveys, round tables and meetings with employers.

The analysis of the current plans for the development of the educational program, plans and the system for monitoring their implementation is carried out in close cooperation with employers. The system for assessing the educational achievements of students, which includes a system for monitoring educational results from the initial level to the formation of a competitive specialist, proves the effectiveness of the existence and implementation of the educational program through a survey of all stakeholders on a regular basis, active cooperation with employers on issues of ensuring the quality of the educational program, and an internal university quality monitoring system. The assessment of the quality of the educational program includes the management of the educational program (the level of the teaching staff, the organization of the educational process, a systematic assessment of the level of achievement of program goals, the demand for graduates), the implementation of the educational program (curriculum, standard programs of disciplines, methodological and information support, infrastructure, educational technologies, research and development work), the results achieved by students (intermediate certification, final certification, certification of all types of practices). The effectiveness of the educational program at the department is assessed through control visits to classes, analysis of feedback from external stakeholders, conclusions of the chairmen of state certification commissions, and reviewers of diploma theses.

The results of the EP assessment are discussed at department meetings, faculty councils and the University Academic Council.

The University has a system of internal control over the quality of students' knowledge. Analysis of learning outcomes by courses and faculties within the framework of educational programs. The effectiveness and reliability of information for managing the quality of educational activities is ensured by the use of the PLATONUS information system, which contains all information about students' educational activities.

Based on the recommendations and proposals of employers, the catalogue of elective disciplines of the EP is reviewed and updated annually at the meetings of the Academic Committee. All proposals of students and other stakeholders are reflected in the minutes of the extended meeting, the changes made are reflected in the EP, KED and UMKD.

During the meeting of the EEC commission with representatives of practice bases and employers, good preparation of graduates of the accredited EPs, the presence of professional skills, a creative approach to work, a desire to study innovations, the application of existing skills and abilities in professional activities were noted.

The EEC members note that the degree of satisfaction with educational programs of various groups (students, employers, faculty) is determined by conducting a survey.

Analytical part

As a result of visiting the graduation department and studying the documents, the members of the EEC confirmed that the university conducts ongoing monitoring and periodic assessment of the EP.

The analysis of academic performance also provides the level of effectiveness of the student assessment procedures, the department also analyzes the compliance of the student assessment forms with the learning outcomes of the discipline and considers them after each examination session at department meetings.

The academic performance and graduation of students is analyzed using data from the PLATONUS electronic portal.

The developed curricula are focused on taking into account the competence requirements of employers, strengthening the practical training and scientific component of each EP.

The list of elective disciplines is based on a comprehensive analysis of the needs of the labor market, and also reflects modern trends in the development of science. Mechanisms have been developed for measuring student satisfaction with training in accredited EPs: the EP is discussed at department meetings, at the Academic Council of the faculty and at the Academic Council of the University, taking into account the opinions and suggestions of employers and students. In order to obtain the most reliable information about the quality of educational services provided, a survey of students is conducted annually, the results of which are discussed at a faculty meeting, where decisions are made on corrective measures.

In order to ensure effective implementation and create a favorable learning environment, the department monitors, evaluates and revises the educational program. An extended meeting of the department is held annually to review the educational program for relevance with the participation of all stakeholders. The participation of students and graduates makes it possible to determine the needs of students, who can also propose the inclusion of new learning outcomes/competencies. The participation of employers at the meeting makes it possible to determine new competencies, expectations of the professional community, and also to update the content of existing courses/modules. However, based on the results of the meeting with representatives of practice bases and employers, IAAR experts note that not all stakeholder groups are fully informed about the planned or taken actions in relation to the accredited educational programs.

The university has an effective monitoring system for the quality indicators of the educational program, knowledge, skills, abilities, and competencies of students in the educational program. The university's quality control system is a set of external and internal measures and procedures at the level of the university, faculty, department, and student. The main monitoring methods are questionnaires, testing, documentation analysis, self-assessment, sample survey, etc.

Strengths/best practices:

- not identified

Recommendations:

1. The EP management should develop a work plan to improve stakeholder information about all actions taken under the EP. Deadline: before the beginning of the 2025-2026 academic year.

Conclusions of the EEC on the criteria:

According to the standard "Continuous monitoring and periodic evaluation of educational programs", 10 criteria are disclosed, of which 10 have a satisfactory position.

6.5. Standard "Student-centered learning, teaching and assessment of academic performance"

- The management of the EP should ensure respect and attention to various groups of students and their needs, providing them with flexible learning paths.
- The management of the EP should ensure teaching based on the latest achievements of world science and practice in the field of training, the use of various modern teaching methods and assessment of learning outcomes that ensure the achievement of the EP goals, including competencies, skills for performing scientific work at the required level.
- The management of the EP should determine the mechanisms for distributing the students' academic workload between theory and practice within the EP, ensuring that each graduate masters the content and achieves the EP goals.
- An important factor is the availability of its own research in the field of teaching methods for the EP disciplines.
- The university should ensure that the learning outcomes assessment procedures correspond to the planned results and goals of the EP.
- The university should ensure consistency, transparency and objectivity of the mechanism for assessing the learning outcomes of the EP. The criteria and methods for assessing learning outcomes should be published in advance.
- Assessors must be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area.
- The EP management must demonstrate the existence of a feedback system on the use of various teaching and assessment methods.
- The EP management must demonstrate support for learners' autonomy while providing guidance and assistance from the teacher.
- The EP management must demonstrate the existence of a procedure for responding to student complaints.

Evidence-based part

When implementing OP 6B08301 - "Hunting and Animal Husbandry", 7M08304 - "Rational Use of Natural Bioresources" (2 years), 6B05201 - "Natural Resources Using", the student is a key participant in the educational process, therefore, when ensuring the quality of the educational process, his interests, wishes, and suggestions are taken into account. The system of measures, rules and procedures for planning and managing educational activities and the effective organization of the educational process aimed at implementing student-oriented learning and improving the quality of education is presented in the University's Academic Policy.

The University ensures complete transparency of knowledge assessment results. The results of current and midterm assessment, as well as midterm certification, are available to students on the educational portal.

Students can familiarize themselves with the University's criteria for assessing students' knowledge, the GPA calculation methodology, the rules for conducting exams, appeals, etc. A student who does not agree with the exam assessment results has the right to appeal. The procedure for granting the right to take an individual session is defined in the Academic Policy.

Examination materials, assessment criteria developed in accordance with the objectives of studying the discipline, as well as the forms for conducting all types of control are reviewed and approved at department meetings.

When implementing the OP PPS, the departments use a differentiated approach to teaching, which allows taking into account the individual abilities, interests, and desires of students; develops creative potential; improves the quality of education.

In order to develop the most important professional competencies in students, the following educational technologies and active teaching methods are used in the educational process: project-based learning technologies, critical thinking development, multi-level learning, problem-based learning, educational business games, interactive teaching methods, information technology, business games, role-playing games (story-based role-playing); case study analysis; methods: "brainstorming", "small groups", "round table", "press conference", "debate", "discussion", allowing to reveal the intellectual potential of students; forms of problem-based learning, which make it possible to reveal objective contradictions in the development of scientific knowledge and find ways to resolve them. Such innovative teaching methods and methods of assessing learning outcomes as case stages, sociogram, Bloom's taxonomy, project, portfolio, problem-based learning are used.

In order to increase the interest of students in educational and cognitive activities, the teachers of the department conduct classes using multimedia systems: Flash presentations made with the help of CamStudio editors, Freemake Video Converter iSpring Free (text assignment editor).

The introduction of PPS into the educational process of modern teaching methods allows for a flexible combination of independent cognitive activity of students with various sources of information, systematic interaction with the course

teacher and group work of students, and contributes to the achievement of the planned learning outcomes for the educational program.

The results of scientific research by scientists from the Department of Hunting and Fisheries Karagoyshin Zh.M., Esmuhanbetov D.N., Syzdykov K.N., Narbaev S. have been introduced into the educational process (the act of implementation is attached) covering the disciplines of Game Breeding and Biotechnics and Protection of Natural Resources. Topics of scientific research: "Biological justification for artificial breeding and introduction of common quail and grey partridge in the green belt areas of Nur-Sultan and "Development of biological justification for artificial breeding and introduction of common pheasant (*Phasianus colchicus*) in the green zone of Nur-Sultan".

According to OP 6B05201 - "Natural Resources Using", Associate Professor of the Department A.A. Perzadayeva, based on the results of research work on the topic "Ecological assessment of the progressive state of atmospheric air of the traffic flow on the main highways of Astana", video lectures on 10 topics were included in the educational and methodological complex of the discipline "Ecological Chemistry" (minutes of the department meeting No. 5 dated 07.12.2023).

The indicators of the effectiveness of the application of the above teaching methods are, first of all, the results of current academic performance, the final state certification of students and the degree of their satisfaction with the quality of education.

In the process of introducing modern teaching and learning methods, the department develops scientific, methodological and educational materials, teaching aids, educational and methodological complexes on disciplines, multimedia educational complexes that imply flexibility, adaptability, variability of studying and mastering the discipline.

Satisfaction of students and faculty from the use of innovative methods is determined by interest in the academic discipline, in attendance and academic performance, in the results of a questionnaire survey conducted by the information and analytical service.

Students have the opportunity to file an appeal on the results of exams during the day after the exam, as well as make an appointment with the Chairman of the Board - Rector on personal matters from 15.00 to 18.00 on Wednesday by appointment. In case of violation of rights, students can contact the Student Ombudsman by phone +7 706 421 566 (WhatsApp) and post questions in the Rector's blog on the university website.

Analytical part

During the visit of the EEC, visits to practice bases, interviews with the teaching staff, students, graduates and employers, it was established that for high-quality training of graduates in the EP, the university demonstrates student-centeredness in the learning process through increasing the motivation and

involvement of students in the learning process. Elements of dual education are implemented for the accredited EPs.

As part of the implementation of OP6B08301 - "Hunting and Animal Husbandry", 7M08304 - "Rational Use of Natural Bioresources" (2 years), 6B05201 - "Natural Resources Using", students can choose an individual educational trajectory of training based on the Academic Policy, the procedure for registering students for academic disciplines, conducting current, midterm and final control, midterm and final certification, organizing the passage of students' practices, etc. has been established. Individual needs of students are manifested when choosing elective courses, which is carried out on the basis of the Catalog of Elective Disciplines.

The selected elective courses are recorded in the AIS "Platonus". The members of the EEC made sure that the students of the EP have the opportunity to choose a discipline, a scientific supervisor, and the topics of their diploma theses. The members of the EEC note that the principle of gender equality applies to all students. There is equal access to educational, research, and educational activities. Ensuring equal opportunities for students is achieved by the completeness of the educational-methodological, organizational-methodological and information support of the educational process, such as the formation of an individual curriculum; the possibility of training within the framework of academic mobility; the possibility of using an electronic library, the Republican Interuniversity Electronic Library, etc.

For the successful acquisition of skills and abilities by students, the management of the EP demonstrates the wide application of innovative methods such as case studies, analysis of specific situations, project technology, extended lectures, dialogue learning, preparation of analytical essays, individual and group presentations, etc., which stimulate students to play an active role in the educational process. However, the EEC found that the EP management does not monitor the effectiveness of using various teaching methods. Also, the teaching staff of the accredited EPs does not have their own research in the field of teaching methods for professional disciplines in the context of the accredited EPs. During the interview, students were unable to confirm the presence of their own methods in teaching the disciplines OP6B08301 - "Hunting and Animal Husbandry", 7M08304 - "Rational Use of Natural Bioresources" (2 years), 6B05201 - "Natural Resources Using".

The EEC notes that student-centered learning involves a quick response to all changes and additions to the content of educational programs, taking into account the rapid pace of development of the labor market and requires the availability of information for all interested groups on all changes in the content and activities carried out during the implementation of the EP.

The EEC members note the need to present educational material on disciplines using developed online courses using presentations, which will enhance the perception of information by students, contribute to the flexibility and accessibility of the educational process.

Strengths/best practices:

- not identified

Recommendations:

1. The management of the OP 6B08301 - Game Management and Animal Husbandry, 7M08304 - Rational Use of Natural Bioresources, 6B05201 - Natural Resources Using should establish feedback with students on the use of teaching staff of various teaching methods. Deadline - before the beginning of the 2025-2026 academic year.

2. The management of the OP should develop methodological recommendations for the implementation and dissemination of their own teaching methods using innovative, interactive teaching and communication tools. Deadline - before the beginning of the 2025-2026 academic year.

Conclusions of the EEC on the criteria:

According to the standard "Student-centered learning, teaching and assessment of academic performance", 10 criteria are disclosed, of which 9 have a satisfactory position, 1 requires improvement.

6.6. Standard "Students"

- The university must demonstrate the policy for forming the contingent of students and ensure the transparency of its procedures. The procedures regulating the life cycle of students (from admission to completion) must be defined, approved, published.

- The management of the educational program must provide for special adaptation and support programs for newly enrolled and foreign students.

- The university must demonstrate the compliance of its actions with the Lisbon Recognition Convention, including 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 informal training.

- The university must provide opportunities for external and internal academic mobility of students, as well as assist them in obtaining external grants for training.

- The university must actively encourage students to self-education and development outside the main program (extracurricular activities).

- An important factor is the presence of a mechanism for supporting gifted students.

- The HEI should demonstrate cooperation with other educational organizations and national centers of the "European Network of National Information Centres on Academic Recognition and Mobility/National Academic Recognition Information Centres" ENIC/NARIC in order to ensure comparable recognition of qualifications.

- *The HEI should provide students with internship places, demonstrate the procedure for facilitating the employment of graduates, maintaining contact with them.*
- *The HEI should demonstrate the procedure for issuing graduates with documents confirming the qualification received, including the achieved learning outcomes.*
- *The management of the EP should demonstrate that graduates of the program have skills that are in demand in the labor market and that these skills are actually in demand in the labor market.*
- *The management of the EP should demonstrate the existence of a mechanism for monitoring the employment and professional activity of graduates.*
- *An important factor is the existence of an active association/association of graduates.*

Evidence section

The University pursues a policy of forming a contingent of students in accordance with the legislation of the Republic of Kazakhstan and is based on the principle of electivity of applicants to a higher educational institution and an educational program. Admission and admission to training in the EP is carried out in accordance with the Rules for the admission of students to educational programs of higher and (or) postgraduate education in the NAO "Kazakh Agrotechnical Research University named after S. Seifullin". To implement the Policy for the formation of a contingent of students, a set of measures is carried out such as attracting the media, designing stands in Kazakh and Russian with the necessary information on admission, posting career guidance information in social networks; organizing trips of career guidance teams to districts and villages of the region, etc.

Table 1 - Information on admission to the 1st year of students in accredited educational programs of the 1st cluster

№	Name of the OP	Admission to the 1st year, people		
		2021-2022 academic year	2022-2023 academic year	2023-2024 academic year
1.	6B08301 - "Hunting and fur farming"	49	30	50
2.	7M08304 - "Rational use of natural bioresources"	2	-	1
3.	6B05201- "Natural Resources Using"	76	72	62

Table 2 - Contingent of students in accredited educational programs

№	Name of the OP	Контингент обучающихся, чел.				
		1 course	2 course	3 course	4 course	Total
1.	6B08301 - "Hunting and fur	63	40	23	26	152

	farming”					
2.	7M08304 - "Rational use of natural bioresources"	1	-			1
3.	6B05201- “Natural Resources Using”	131	61	67	70	329

As a result of targeted career guidance work on the accredited educational programs: 6B08301 - "Hunting and Animal Husbandry", 7M08304 - "Rational Use of Natural Bioresources", 6B05201- "Natural Resources Using", the enrollment for the 1st year of the bachelor's degree shows positive dynamics. Thus, if in the 2023-2024 academic year 50 and 62 people were admitted to the educational programs 6B08301 - "Hunting and Animal Husbandry" and 6B05201- "Natural Resources Using", then this year the enrollment was 63 and 131 students, respectively. However, there is an unstable dynamics of the enrollment of students at the master's level.

The university has an adaptation and support program for first-year students and foreign students, which is regulated by the Academic Policy of the university. The procedure for supporting students, including gifted students of the university, is described in the Regulation on the mechanism for assessing student support services and in the Regulation on the procedure for awarding bonuses and providing financial assistance to students. The recruitment of foreign students, the organization of exchange programs, as well as the organization of individual student mobility are carried out in accordance with the "Regulation on the organization of external academic mobility of students" and the ERD "Regulation on the organization of preparatory courses for foreign citizens for admission to universities of Kazakhstan, including NAO "KATIU im. S. Seifullin" (VND 05.5006-2020 approved by the Order of the Chairman of the Board No. 114-N dated 18.02.2020)

For the adaptation of students admitted to the 1st year, an introductory (presentation) week is held, where the dean of the faculty, heads of the EP and advisers conduct introductory classes, where they are introduced to teachers, a reference guide, the rules of credit technology, internal regulations, dormitory accommodation, the code of academic honesty and other internal regulatory documents. As part of this week, the university library organizes a library and bibliographic lesson, where first-year students are introduced to the operating mode, instructions for users of reading rooms and subscription, and the virtual reference service "Ask a Librarian".

A portable tactile Braille display "Focus 14 Blue" was purchased for the development of inclusive education.

In accordance with the credit technology, a point-rating system for assessing knowledge and the principle of transferring students to the next course based on GPA (grade point average) approved by the Academic Council of the University are used.

Recognition of learning outcomes acquired in other Kazakh or foreign educational institutions is carried out in accordance with the approved Rules for the transfer and reinstatement of students at the S. Seifullin Kazakh Agrotechnical University, as well as the Rules for the recognition of results and credit transfer of formal and informal education at S. Seifullin KATIU. These documents are contained in the Academic Policy of the University and SO VND 02.2065 - 2020 "Recognition of learning outcomes of the previous level of formal education and credit transfer of disciplines studied earlier."

All admission, recognition and graduation procedures are kept up to date and are available to students on the university website.

The academic mobility program is implemented on the basis of cooperation agreements with more than 90 domestic and foreign higher education institutions based on the Regulation on the organization of academic mobility.

As part of academic mobility in the OP "Hunting and Animal Husbandry" at the Irkutsk State Agrarian University named after A.A. Ezhevsky in the 2019-2020 academic year, students of group 03-803-17-17 Suleimenova Arailym and Sagyndykova Ainur studied (order No. 1659-B dated 09/02/2019), and in 2020-2021 - students of group 03-803-18-21 Suleimenova Anastasia and Shayakhmetova Madina (order No. 1652-B dated 11/09/2020).

In the OP "Natural Resources Using" in the 2021-2022 academic year, student of group 01-051-20-11 Toktarova Akima Abdygalievna and student of group 02-051-20-10 Askarova Nargiza Samatzhankyzy were sent to study at the Warsaw University of Life Sciences (Poland, Warsaw) for one academic semester (order No. 49 - B dated 01/21/2022).

Students are provided with opportunities for professional self-development outside of class time. Students of the "Hunting and Animal Husbandry" educational program Törejan Yerzhan, Ghaniyev Aibek, Mendybaeva Laura, Kaipov Gasyrzhan take an active part in the work of the "Sayatshy" scientific circle and have repeatedly participated in university and republican scientific and practical conferences. Also, students Lavrinovich Victoria, Kulgazinov Adil and Karimbay Amir, who are members of the scientific circle "EcoLife", participating in republican and international competitions and conferences were awarded certificates and diplomas for winning places.

The level of students' academic performance is monitored by the university's structural divisions, as well as by the curators of academic groups, with discussions taking place during curatorial hours. For excellent academic performance and active participation in the public life of the university, letters of commendation were sent to the parents of Mendybaeva L., Orynbasar N., Berber A., Zhumabaeva G.

The winners of the republican subject Olympiads were students of the Hunting and Animal Husbandry program Ergeshov Zh., Ermek B. - 3rd place (2020-2021 academic year), Abdulov F. - 2nd place, Ergeshov Zh. - 3rd place (2021-2022 academic year), Sanakbekov A. - 2nd place, Amanov D. - 3rd place

(2022-2023 academic year), Zhumabaeva G., Sugirbay Sh. - 3rd place (2023-2024 academic year).

Third-year students of the Faculty of Forestry, Wildlife and Environment, Department of Ecology, OP "Natural Resources Using" Bolatova Sofia, Zhamantaeva Kamila, Marchuk Ekaterina, Alieva Aizharqyn, Serikbay Madiyar, Aizharikova Umitzhan took part and became prize winners of the XIV Republican Student Subject Olympiad organized by the Al-Farabi Kazakh National University. Leaders - PhD, Associate Professor Utarbaeva A.Sh., Senior Lecturer Botabekova G.T.

The management of the accredited OPs concludes contracts for industrial practice with more than 120 enterprises for the implementation of practical training for the academic year. Among which the main practice bases are: TOO "Azhar-RG", KH "Shtrek N.P.", TOO "Eco Start AST", KH "Beslan", TOO "Ashik Aspan - Astana", TOO "Tekhno-Mir", RSE on the right of economic management "Information and analytical center for environmental protection", TOO "Rybpitomnik "Maybalyk", OO "Society of hunters and fishermen of Astana and Akmola region", OO "Temirtau city society of hunters and fishermen", RGU "State national natural park "Altyn-Emel", "Kyzylorda State University for the Protection of Forests and Wildlife", RGU "Korgalzhinsky State Nature Reserve".

The employment process at the university is regulated by SO QMS 4.12.01-2022 "Management of the process of distribution of graduates". Activities for the employment of graduates of the faculty are carried out on the basis of a comprehensive work plan of the department and faculty, which is agreed upon with the vice-rectors in the relevant areas and approved by the rector of the university.

General control over the process of employment of university graduates is carried out by the Career, Internship and Employment Center. Every year, the university appoints persons responsible for employment at the faculty level and at the level of graduating departments. Every year, the university holds a university-wide job fair with the participation of employers from various fields of activity. The university provides graduates with employment (free and at the request of enterprises), maintains contact with graduates. Employment of graduates of the EP according to the data provided in the ranking of educational programs of universities of the National Chamber of Entrepreneurs of the Republic of Kazakhstan "Atameken":

- 6B08301 - "Hunting and animal husbandry", varies in 2021 - 75%, in 2022 - 81.8%, in 2023 - 91%.

- 7M08304 - "Rational use of natural bioresources" - 100% for all years for the reporting period.

- 6B05201- "Natural Resources Using" in 2021 - 80%, 2022 - 84%, 2023 - 89%.

The Alumni Club was established on January 19, 2007. It actively contributes to the development of the university by interacting with graduates and supporting their professional and social activities. On March 6, 2023, it was renamed the Alumni Association.

Among the famous graduates of the university who actively participate in its life and development, we can note: Sauer I.A. - Director of JSC National Company Food Contract Corporation, member of the Assembly of the People of Kazakhstan, member of the Presidium of the National Chamber of Entrepreneurs Atameken, General Director of Agrofirma Rodina LLP; Akimov R.K. - Deputy of the Senate of the Parliament of the Republic of Kazakhstan, member of the Committee on Agrarian Issues, Natural Resources Using and Rural Development; Bilyalov S.S. - Deputy of the Senate of the Parliament of the Republic of Kazakhstan, member of the Committee on Natural Resources Using and Rural Development; Akhmetbekov Zh.A. - Deputy of the Mazhilis of the Parliament of the Republic of Kazakhstan, Secretary of the Central Committee of the Communist People's Party of Kazakhstan; Tursynov S.T. - member of the Committee on International Affairs, Defense and Security, Chairman of the Human Rights Commission under the President of the Republic of Kazakhstan; Troshikhin M.V. - Deputy Director of the Department of Investment Management of the Ministry of Agriculture of the Republic of Kazakhstan; Daniyar Yeleussinov - 2016 Olympic Champion, International Master of Sports.

Analytical part

The University demonstrates the presence of a transparent policy and effective mechanisms for the formation of a contingent of students in the context of the EP, regulation of all types of practices, support and adaptation of students.

The EP management dismantles the implementation of special programs for the adaptation and support of students of the EP through a system of discounts and benefits for students of the EP (winners and prize-winners of republican subject Olympiads, representatives of families with disabilities or pensioners, persons left without parental care, persons with disabilities; based on the results of academic performance, etc.).

As a result of an online visit to the graduation department and examination of documents, the members of the EEC confirmed that there is a high percentage of employment of graduates of the EP. *Along with this, the EEC experts note that internal monitoring and analysis of graduate employment is not carried out at a sufficient level.*

The members of the EEC note the successful practice of attracting graduates as employers. Within the framework of the accredited educational program, conditions are created for the academic mobility of students, and cooperation agreements have been concluded with a number of foreign universities.

Under the educational program 6B05201- "Natural Resources Using", students undergo practical classes at enterprises, in accordance with the agreement on the organization and conduct of dual training. Dual training agreements have been concluded with the Branch of the RSE on the Right of Economic Management "Institute of Botany and Phytointroduction" Astana Botanical Garden

(D7488 dated 02/07/2022), Branch of TOO "Ecoservice - S" in Astana (D-26 dated 08/28/2024), TOO "Astan Ormany" (D-9 dated 08/12/2024).

Practical classes on the subject "Ecosystem and Landscape Ecology" with a dual educational program are held at TOO "Ecoservice - S", on the subject "Game Breeding" - at TOO "Astana Ormany".

To ensure quality education, the university creates conditions for practical training of students, which includes not only obtaining theoretical knowledge, but also acquiring practical skills. According to the educational program "Hunting and Animal Husbandry", one of the main bases for practical training is the educational and industrial hunting and fishing farm "Dudarai", assigned to the university under agreement No. 56/21 dated May 21, 2021.

In the process of familiarization with the documentation and the Report, the members of the EEC found out that most graduates of the accredited educational programs do not get jobs in their specialty. Of the 15 graduates of the OP 6B080301 - "Hunting and Animal Husbandry" in 2023, only 2 people were employed in their specialty (Appendix No. 2 to the Self-Assessment Report).

Students of the accredited educational programs are provided with practical training places; over 30 contracts for industrial training are concluded in the educational program "Hunting and Animal Husbandry" per academic year, over 80 contracts in the educational program "Natural Resources Using" and 5 contracts were concluded in the 2023-2024 academic year for the educational program 7M08304 - "Rational Use of Natural Bioresources". Contracts with specialized enterprises, organizations and institutions are concluded for one academic year.

During interviews with graduates, teaching staff and the university administration, it was established that the University Alumni Association takes an active part in the implementation of the educational program, thereby contributing to the training of qualified specialists in the field of hunting and environmental protection.

Strengths/best practices:

1. A good example is the University Alumni Association, which contributes in every possible way to the development of the university, increasing its role in the domestic and international educational arena.

Recommendations:

1. For OP 6B08301 - "Hunting and Animal Husbandry" and 7M08304 - "Rational Use of Natural Bioresources", 6B05201 - "Natural Resources Using", regularly monitor and analyze graduates' employment.

EEC conclusions on the criteria:

According to the "Students" standard, 11 criteria are disclosed, of which 1 has a strong position, 10 - satisfactory.

6.7. Standard "Teaching Staff"

- *The university must have an objective and transparent personnel policy in the context of the educational program, including hiring (including invited teaching staff), professional growth and development of personnel, ensuring the professional competence of the entire staff.*

- *The university must demonstrate that the quality of the teaching staff complies with the established qualification requirements, the strategy of the university, and the goals of the educational program.*

- *The leadership of the educational program must demonstrate the change in the role of the teacher in connection with the transition to student-centered learning and teaching.*

- *The university must provide opportunities for career growth and professional development of the teaching staff, including young teachers.*

- *The university must attract specialists from relevant fields to teaching, who have professional competencies that meet the requirements of the educational program.*

- *The university must demonstrate the presence of a mechanism for motivating the professional and personal development of the teaching staff.*

- *The university must demonstrate the widespread use of information and communication technologies and software by the faculty in the educational process (for example, online learning, e-portfolio, MOOCs, etc.).*

- *The university must demonstrate the focus of its activities on developing academic mobility, attracting the best foreign and domestic teachers.*

- *The university must demonstrate the involvement of each teacher in promoting the culture of quality and academic integrity at the university, determine the contribution of the faculty, including invited ones, to achieving the goals of the EP.*

- *An important factor is the involvement of the faculty in the development of the economy, education, science and culture of the region and the country.*

Evidence-based part

The implementation of the principles of the university's personnel policy is carried out in accordance with the following internal documents: VND 07.7030-2022 - Personnel Policy of KATIU, VND 02.2049-2021 - Regulations on the procedure for conducting the internal stage of selection of teachers of S. Seifullin KATIU for participation in the competition "Best University Teacher", VND 07.7007-2018 - Regulations on advanced training of employees, VND 02.2055-2022 - Regulations on the procedure for distributing the teaching load of the teaching staff, VND 02.2039-2022 - Regulations on the procedure for forming the staffing structure of the teaching staff of departments in NAO "S. Seifullin KATIU", VND 07.7026-2023 - Rules for competitive replacement of vacant teaching staff positions, VND 07.7032-2023 - Regulations on incentive payments to the teaching staff, scientific and other categories of employees.

The selection and placement of scientific and pedagogical personnel is carried out on the basis of the decision of the competition committee, the approved Rules for the competitive replacement of positions of teaching staff and research workers, which determine the procedure and conditions for competitive selection.

Persons corresponding to the Qualification characteristics of positions of NAO "KATIU named after S.Seifullin" are admitted to the competition for filling the positions of teaching staff and research workers of the university.

The total number of teaching staff for OP6B08301 - "Hunting and Animal Husbandry" is 54 people, of which 54 are full-time, including 1 Doctor of Sciences, 27 Candidates of Sciences. The percentage of those with a degree is 53.7. According to the educational program 7M08304 - "Rational Use of Natural Bioresources", classes are taught by 8 teachers, including 1 Doctor of Sciences, 6 Candidates of Sciences. The percentage of those with a degree is 87.5%. The number of full-time teachers in the educational program 6B05201 - "Natural Resources Using" in the 2023-2024 academic year was 42 people, including 2 Doctors of Sciences, 20 Candidates of Sciences, 4 PhD doctors. The proportion of those with a degree is 61.3%.

The average age in the educational program 6B08301 - "Hunting and Animal Husbandry" is 47, in the educational program 7M08304 - "Rational Use of Natural Bioresources" - 53 years, in the educational program 6B05201 - "Natural Resources Using" - 51 years. The average age of the teaching staff with academic degrees and titles is 55 years.

Advanced training for the teaching staff is carried out in various areas. In 2019, senior lecturer Karagoishin Zh.M. completed an internship at the Irkutsk Agricultural Academy in the direction of hunting and animal husbandry.

In 2022 and 2023, the teachers of the department Nurgozhaeva N.M., Arynova R.A., Akhmetzhanova N.A., Bekeyeva S.A., Burshakbaeva L.M., Kazikhanova S.R., Narbaev S. completed advanced training courses in hunting and animal husbandry "Zhabayy zhanuarlardy osiru zhane tiimdi paydalanu" in the amount of 72 hours at the Training Center "Global Professional Development" (Order No. 32 dated 08/05/2022, Order No. 29 dated 07/14/2023) In 2021, Ph.D. (Biology), Associate Professor Satybaldieva G.K. completed an internship at the Moscow State University. M.V. Lomonosov on the topic "Methods for analyzing the variability of morphological traits and habitual features in fish". In 2022, from October 24 to October 27, PhD, Associate Professor Satybaldieva G.K., PhD, Associate Professor Utarbaeva A.Sh. underwent advanced training on water resources management and mastering environmental monitoring methods used in the Czech Republic at the Department of Applied Ecology of the Czech University of Life Sciences Prague (scientific supervisor prof. Jan Vymazal).

Teachers of the Department of Ecology Shynbergenova K.T. and Nurbaeva N.A. from June 14 to June 30, 2024 completed advanced training courses on the topic "Atmospheric air and water conservation resources" at the Tashkent Chemical-Technological Institute.

Currently, cooperation is being established with the Tashkent University in terms of exchange of experience between departments, academic mobility, internships and advanced training courses. Thus, from May 2 to June 2, 2024, associate professors of the Industrial Ecology Department of the Tashkent Chemical-Technological Institute Yuldashev Alisher Alimjanovich and Tursunov Dilshod Kamilzhanovich took advanced training courses at the Ecology Department of the Forestry, Wildlife and Environment Faculty of the Saken Seifullin Kazakh Agrotechnical Research University. Currently, the ERASMUS+ International Educational Project "Development of a Circular Economy in Partner Countries through the Development and Implementation of the Waste Management Master's Program" is being implemented, which also promotes fruitful cooperation between educational and scientific centers of Kazakhstan and Uzbekistan.

The teachers of the departments participate in various international educational projects. Since September 2, 2024, PhD in Biology, Associate Professor of the Department of Ecology Satybaldieva Gulmira Kalmashevna and Associate Professor of the Department of Ecology, PhD in Biology Utarbaeva Aizhan Sharelievna are undergoing a scientific internship under the international program "Bolashak" "500 scientists" at Kastamonu University (Turkey).

From November 26 to December 4, 2023, teachers of the Department of Hunting and Fisheries Syzdykov Kuanysh Nygmanovich and Kuanchaleev Zhaksygalı Batyrgaleevich underwent a scientific internship in the Czech Republic, the city of Budovice, at the University of South Budovice.

Associated professors of the department Asylbekova A.S. and Barinova G.K. visited the St. Petersburg branch of the Federal State Budgetary Scientific Institution VNIRO from November 6 to November 10, 2023 as part of the project "Creation of a cryobank of reproductive cells of valuable fish species of Kazakhstan". During the reporting period, the total number of certificates of completion of advanced training courses in the educational program "Natural Resources Using" was 65, of which 14 were foreign, 51 were national, and for the educational program 6B08301 - "Hunting and Animal Husbandry", there were only 9 certificates of completion of advanced training courses in national universities and research centers.

The teaching staff of the Department of Ecology participates in the implementation of research work on grant funding from the Ministry of Education and Science of the Republic of Kazakhstan: PhD in Biology, Associate Professor Satybaldieva G.K. is the scientific director of the project "Ecological monitoring of water bodies of Northern Kazakhstan" (2021-2023), within the framework of which studies are carried out on the hydrochemical and hydrobiological indicators of water bodies in the Akmola, North Kazakhstan, Pavlodar and Kostanay regions to assess the ecological state of water resources; PhD in Engineering, Associate Professor Perzadayeva A.A. is the executor of the grant project for 2023-2025 "Mapping of forest shelterbelts, their impact on crop yields and water resources, expansion prospects, using geospatial technologies in the Akmola region", within the framework of which a study of the field-protective potential of forest belts will

be conducted with a model assessment of the yield of agricultural crops and using geoinformation technologies of remote sensing in the pilot region of the Akmola region.

The Department of Hunting and Fisheries is currently conducting research work and projects on the topics:

1. "Development of biotechnical methods for artificial reproduction of pike perch in a closed-loop water supply (RAS) installation" with a total funding of 18.2 million tenge. Project Manager: Syzdykov K.N.

2. "Creation of a cryobank of reproductive cells of valuable fish species of Kazakhstan" with a total funding of 17.5 million tenge. Project Manager: Asylbekova A.S.

3. "Development and implementation of industrial technologies for growing Australian red-claw crayfish (ARCC) in fish farms of Kazakhstan" with a total funding of 14.7 million tenge. Project Manager: Musin S.E. The

Department of Ecology is working on the implementation of international educational projects. The head of the department Satybaldieva G.K. is the local coordinator of the UNWASTE project "Development of a circular economy in partner countries through the development and implementation of the master's program "Waste Management" funded under the European Union Erasmus + program.

The PPP of the departments participate in republican and international scientific conferences based on the results of their research work and projects. Thus, for the educational program "Hunting and Animal Husbandry", teachers Arynova R.A., Sagnaeva Zh.B., Suleimenova A.K., Karagoishin Zh.M. took part in the international conference "Protection and Rational Use of Animal and Plant Resources", which was held at the Irkutsk State Agrarian University named after A.A. Ezhevsky on May 26, 2023. Topics of the reports: "Problems of Studying Hunting Terminology", "Monitoring Adapted Wild Animals in State National Nature Parks of the Karaganda Region", "Feeding Wild Animals in Winter and Its Storage".

Within the framework of the educational programs of the educational program "6B08301 - Hunting and Animal Husbandry" and "7M08304 - Rational Use of Natural Bioresources", highly qualified specialists from the industry are involved in teaching certain disciplines. For example, the chief specialist of the project office of the State Enterprise of the Okhotzooptom PO of the Committee of Forestry and Wildlife of the Ministry of Ecology, Geology and Natural Resources of the Republic of Kazakhstan, Isakhaev B.A.

For students of the bachelor's and master's degree programs in the fields of study 6B08301 "Hunting and Animal Husbandry", 7M08304 "Rational Use of Natural Bioresources", lectures on hunting issues were given by candidate of biological sciences, senior researcher of LLP "Living Nature of Kazakhstan" Berber A.P. on the topic "Planning in hunting management", "Perspective plan for the development of hunting management", "Game breeding, resettlement and reacclimatization of wild animals" and by inspector for the protection of the

wildlife of the hunting and zoo industry Aliyev M. on the topic "Monitoring the number of the Betpak-dala saiga population and protection measures". The university has created all the conditions for career growth of the teaching staff. As an example of career growth, we can cite the head of the department "Hunting and Animal Husbandry" Aubakirova Gulzhan Amanzholovna, the head of the department "Technology of livestock production" Ibraev D.K.

The mechanism of motivation of professional development of the teaching staff is presented in the following forms: for achieving high results in work, university employees are encouraged in the form of gratitude, awarding of Certificates of Honor, nomination in the established manner for awarding awards and badges of distinction. At the university, in order to provide material incentives and social security for employees, one-time bonuses are provided, paid within the framework of the adopted remuneration system for achieving anniversaries, holidays, at the end of the year, completing work of particular importance for the university and publishing an article in rating journals. Aubakirova G.A. was awarded the title of "Best Teacher of 2020". Syzdykov K.N. was awarded the medal "30 Years of Kazakhstan's Independence" and in 2023 received the honorary title "Ecology of the Great Patriotic War" from the Ministry of Ecology and Natural Resources of the Republic of Kazakhstan. Narbayev S.N. received the "Enbek danky" badge in 2020 and the "Certificate of Honor of the National Agrarian and Scientific Center" in 2021, and senior lecturer Orazgaliyeva K.S. was awarded the "Certificate of Honor of the Ministry of Ecology and Natural Resources of the Republic of Kazakhstan". In 2023, the Ministry of Ecology and Natural Resources of the Republic of Kazakhstan awarded the honorary title "Ecology of the World" to associate professors, PhD in Biology Satybaldiyeva G.K. and Utarbayeva A.Sh.

For the period from 2019 to 2023, the faculty of the departments received salary supplements based on the results of the point-rating system for assessing their performance. In the current academic year, it is planned to introduce a new point-rating system KPI for assessing the performance of the faculty in accordance with the VND SVPPSNDKR 07.7032-2023 "Regulations on incentive payments to the faculty, scientific and other categories of employees of NAO "KATIU named after S. Seifullin".

Analytical part

During the visit of the EEC, the university demonstrated the successful functioning of the personnel development policy, personnel growth, the presence of procedures for ensuring the quality of teaching and maintaining professional standards and ethics, the presence of mechanisms and criteria for the systematic assessment of the activities of the teaching staff. Opportunities for the development of scientific activities and advanced training of the teaching staff are provided. Various forms and methods of advanced training are used: courses, seminars,

workshops, conferences, trainings, mentoring, distance learning, webinars, internships, etc.

The university has established a mechanism for supporting young teachers. The departments show a close connection between scientific research and training, which is confirmed by the introduction of research results into the educational process. The university management demonstrates the functioning of mechanisms for motivating the teaching staff of the EP through the provision of financial assistance for international internships, the opportunity to live in the university dormitory, and additional salary supplements.

During the visit of the EEC, it was found that the University Management demonstrates responsibility for its employees and provides favorable working conditions.

The university has created favorable social conditions for the faculty, such as the work of the medical center, the functioning of sports halls, the work of the psychological counseling office.

The university management creates all the conditions for the career growth of the faculty. Graduates of the university, having studied in postgraduate and doctoral studies, occupy the positions of heads of departments, deans, associate professors and senior lecturers.

The university is developing international relations, internships in foreign universities, but at the same time, the VEC experts note the insufficient academic mobility of the faculty of the accredited educational institutions. At the time of the visit of the NAAR commission, there was no approved plan for the academic mobility of the faculty of the accredited educational institutions.

Strengths/best practices:

-not identified

Recommendations:

1. Develop a work plan for the development of academic mobility of the teaching staff.

Deadline - before the beginning of the 2025-2026 academic year.

Conclusions of the EEC on the criteria:

According to the standard "Teaching staff "10 criteria were revealed, 9 of which have a satisfactory position, 1 position requires improvement.

6.8. Standard "Educational Resources and Student Support Systems"

• *The university must guarantee that educational resources, including material and technical resources, and infrastructure meet the goals of the educational program.*

• *The management of the educational program must demonstrate the availability of classrooms, laboratories and other facilities equipped with modern equipment and ensuring the achievement of the educational program goals. The university must demonstrate that information resources meet the needs of the university and the educational programs being implemented, including in the following areas:*

• *technological support for students and faculty in accordance with educational programs (e.g. online learning, modeling, databases, data analysis programs);*

• *library resources, including a collection of educational, methodological and scientific literature on general educational, basic and specialized disciplines on paper and electronic media, periodicals, access to scientific databases;*

• *examination of research results, graduate theses, dissertations for plagiarism;*

• *access to educational Internet resources;*

• *functioning of WI-FI on its territory.*

• *The university must demonstrate that it creates conditions for conducting scientific research, integrating science and education, publishing the results of scientific research work of the teaching staff, employees and students.*

• *The university must strive to ensure that the educational equipment and software used for mastering educational programs are similar to those used in the relevant sectors of the economy.*

• *The management of the educational program must demonstrate the availability of procedures for supporting various groups of students, including information and consulting.*

• *The management of the educational program must demonstrate the availability of conditions for the student's advancement along an individual educational trajectory.*

• *The university must take into account the needs of various groups of students (adults, working people, foreign students, as well as students with special educational needs).*

• *The university must ensure that the infrastructure meets security requirements.*

Evidence

An important factor in ensuring the quality of education and a guarantee of sustainable development of the university is the constant improvement of material, technical and information resources. The financial strategy of the university is aimed at providing financial resources for the activities of the University Development Plan.

The university ensures the availability of sufficient, accessible and relevant educational resources and student support services. When distributing, planning and providing educational resources, the university takes into account the needs of various groups of students.

All necessary living conditions have been created for students in accredited educational programs who need a dormitory. Full-time students live in a student dormitory. The dormitory has a recreation room, a reading room, a shower, a laundry, an assembly hall, a computer room, and access to a Wi-Fi network.

The classrooms are equipped with modern visualization tools: boards, multimedia equipment, local computer network connections with Internet access for conducting classes in the format of lectures and seminars. The classrooms meet sanitary and fire safety requirements.

To improve the efficiency of educational activities, the necessary resources are placed in the AIS "PLATONUS" database in accordance with the requirements of the "Regulations on the procedure for placing and updating educational and methodological materials in the AIS "Platonus".

Library resources, including educational, methodological and scientific literature on general educational, basic and specialized disciplines used to organize the learning process, are sufficient and meet the requirements of the educational program being implemented.

The electronic library of the university has access to electronic resources through the Internet system provided by JSC Kazakhtelecom. Access to the electronic library is carried out through the educational portals www.kazatu.kz, sdo.agun.kz, portal.agun.kz.

The total area of the library is 1835 sq.m, of which the area of book storage is 659.5 sq.m. At the university, the library operates in two academic buildings, where there are 3 subscriptions, 7 reading rooms, a department of acquisition and processing, a department for storing book funds, a reference and bibliographic department.

As of September 1, 2023, the scientific library at NAO "KATIUI" has a fund of 1,351,106 units, of which 300,488 are a fund of literature in the state language, 1647 are publications on electronic media, 52 electronic resources. The university's electronic library provides access to remote information resources via the university's IP address range: the domestic resource RMEB to the world's leading electronic libraries: ClarivateInCites, EBSCO, ElsevierSciVal, CAB Direct, Web of Science, Wiley, Scopus and the Russian databases "Izdatelstvo "Lan", "eLibrary.ru" (NEB), "IPR SMART".

52 electronic resources are available on the scientific library website, including 10 resources based on license agreements, 34 resources in the public domain.

The university repository contains 1,720 books, also available in the electronic resources "Lan" and "IPRsmart". The journals "Vestnik nauki KATIUI" and "Herald of Science of the Kazakh Agricultural Research University S. Seifullina: Veterinary Sciences" are deposited quarterly in the RSCI and the EBS "Lan". Increased publication activity is achieved through training on the use of library electronic resources (Scopus, Web of Science, EBSCOhost, etc.).

In 2022, a book exchange agreement was concluded with NAO KazNAIU and NAO ZKATU named after Zhangir Khan. In 2022–2023, 1,045 books from

the KATIU scientific library collection were digitized, and 50 book exhibitions were organized.

The university library collection is being updated quite well. If on 01.01.2019 the total collection was 873,239 units, then on 01.07.2023 the total collection of the library was 1,351,106.

Innovative technologies have been introduced, such as the virtual reference service "Ask a Librarian", virtual exhibitions and webinar communication with universities in the CIS and abroad. A portable tactile Braille display has been purchased to develop inclusive education.

The main building of the university has a reading room with 350 seats, a subscription office, and an electronic resources room with 45 computers connected to the Internet. During the reporting period, students and teachers were provided with free access to national and foreign databases.

The university has Wi-Fi for students. The Wi-Fi bandwidth is 535 Mbit per second.

In order to develop practical skills and abilities in students, 6 specialized classrooms and a zoological museum with a total area of 730 sq.m were equipped for students of the "Hunting and Animal Husbandry" program, which is 6.7 sq.m per student of this program (109 people). In dormitory No. 6, where students studying in the "Hunting and Animal Husbandry" program live, there is a library and a reading room for 32 seats, which is equipped with 13 computers connected to the Internet. To provide medical care to students, there is a medical center with an area of 540 sq.m (license No. 22011879 dated 06/24/2022). In order to improve the efficiency of scientific research, ensure the competitiveness of scientific developments and develop new scientific areas, the Agroecological Testing Center (Laboratory) operates, accredited in the state system of technical regulation of the Republic of Kazakhstan for compliance with the requirements of ST RK ISO / IEC 17025 (accreditation certificate No. KZ.T.01.2238 dated July 22, 2019).

For the OP "Natural Resources Using" within the framework of the project 6GF/23 (scientific supervisor Satybaldieva G.K.), the licensed software "Era-PNOOL" 80.1 (Waste) in the amount of 5 units and the GIS software "Axiom" were purchased.

The Department of "Hunting and Fisheries" has a pheasantry for conducting training sessions and research in the field of game breeding, as well as the international Kazakh-Czech research center for aquaculture.

The results of the analysis of the provision of the material and technical base are regularly considered at the meetings of the Academic Council of the University (extract from the minutes No. 6 dated 12/28/2023). Both current needs and plans for infrastructure modernization are discussed. Department of Hunting and Fisheries in the Development Plans of the EP for 2025 include the acquisition of new equipment, expansion of library resources and updating of computer laboratories, special equipment (Application for the purchase of goods, works and services under the state procurement dated 02.07.2024)

The university's food facilities are represented by 2 canteens for 50 and 100 seats. The menu is varied and quite affordable for students.

Analytical part

As a result of a visual inspection of the material base facilities, interviews with the management, as well as the university faculty, the members of the VEK note the provision of the educational process of the accredited educational programs of the university with the necessary educational and material assets, creating favorable conditions for conducting scientific research, integrating science and education, publishing the results of research work of the faculty, employees and students.

The buildings and structures of the university comply with current sanitary standards and fire safety requirements. The classroom and laboratory base, classrooms and other premises, sports facilities comply with the established norms and rules. Instructions, Regulations on safety, fire safety, technical maintenance of classrooms in assigned classrooms have been developed.

During the interviews, students noted the convenience of using the electronic catalog through the MegaPRO AIBS, which allows you to remotely receive educational literature. The book supply of the accredited educational programs is at the proper level. Educational and scientific literature is presented in Russian, Kazakh and English.

Students have access to educational materials and assignments. The AIS "Platonus" provides technological support to students and faculty. The university has Wi-Fi zones that provide access to the corporate network and the Internet.

A unified system of library and information services has been created. Educational and methodological literature is purchased in sufficient quantities at the request of the department. The information support of the university meets the requirements of the program; the library contains all the materials necessary for training: educational, technical, reference and general literature, various periodicals. The library has an electronic catalog that allows you to search for the necessary literature and provides access to electronic versions of individual textbooks and educational and methodological materials, including those developed by the university's faculty. The educational programs of the OP 6B08301 - "Hunting and Animal Husbandry" and 7M08304 - "Rational Use of Natural Bioresources", 6B05201 - "Natural Resources Using" are equipped with the necessary classrooms, educational laboratories, computer rooms, sports halls, etc.

However, during a visual inspection by the members of the EEC, it was established that the educational buildings do not demonstrate the availability of conditions for individuals with special educational needs: elevators, specially equipped toilet cabins, places in the reading room for those with disabilities of the musculoskeletal system, with additional lighting around the perimeter and a high level of natural light in the reading area. Also, as a result of the inspection of the material and technical base of the accredited EPs and interviews with university

students, the members of the EEC note the insufficiency of the necessary educational and laboratory devices and equipment for the OP "Hunting and Animal Husbandry".

Strengths/best practices:

- not identified

Recommendations:

1. The management of OP6B08301-"Hunting and Animal Husbandry" should provide for the possibility of equipping classrooms and laboratories with modern equipment, visual aids and the necessary special inventory. Deadline - before the beginning of the 2025-2026 academic year.

Conclusions of the EEC on the criteria:

According to the standard "Educational Resources and Student Support Systems", 13 criteria are disclosed, of which 13 have a satisfactory position.

6.9. Standard "Informing the Public"

- Information published by the university must be accurate, objective, relevant and reflect all areas of the university's activities within the framework of the educational program.

- Public information must include support for and clarification of national development programs for the country and the system of higher and postgraduate education.

- The university management must use a variety of methods of disseminating information (including the media, web resources, information networks, etc.) to inform the general public and interested parties.

Information published by the university about the educational program must be objective and relevant and include:

- the purpose and planned results of the EP, the qualification awarded;
- information on the system of assessing students' academic achievements;
- information on academic mobility programs and other forms of cooperation with partner universities, employers;

- information on opportunities for developing students' personal and professional competencies and employment;

- data reflecting the positioning of the educational program in the educational services market (at the regional, national, and international levels).

- An important factor is the publication of reliable information on the teaching staff, broken down by individuals, on open resources.

- The university must publish audited financial statements for the educational program on its own web resource.

- The university must post information and links to external resources based on the results of external assessment procedures.

- *An important factor is the posting of information on cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners, and educational organizations.*

Evidence

The University has an official website in Kazakh, Russian, and English. The University website www.kazatu.edu.kz contributes to the formation of the University's image, provides an information environment for applicants, parents of students, employers, graduates, and University staff, openness and accessibility of information to the public on the global Internet. The website has the following sections: University, structure, faculties and departments, education, science, news, educational programs, press center, applicants, announcements, student service center, library, career, contacts. The website contains up-to-date information in the form of news, links to other Web resources, including websites of government agencies, University partners, information portals, etc. In addition to the official page, the University is present on social networks Facebook, Vkontakte, Instagram. The management of the Kazakh Agrotechnical Research University named after S. Seifullin considers the process of informing the public as an important resource for the implementation of the mission, goals, quality assurance policy and objectives set in the University Development Program for 2024-2029.

The University Press Center systematically informs the public about cooperation and interaction with external partners within the framework of the EP, including research institutes and centers, consulting organizations, business partners, social partners, public organizations and partner universities (<https://kazatu.edu.kz/pages/universitet/press-centr>).

The University has provided information on the website about the EPs being implemented, indicating the expected learning outcomes.

In order to provide information about science, scientific activities of the University, as well as about planned and held conferences, competitions, Olympiads and other scientific events held by the University, the Department of Science and Innovation actively provides information support on the official website of the University.

The University publishes a scientific journal, "Bulletin of Science of the Kazakh Agrotechnical Research University named after S.Seifullin".

Accredited educational institutions inform the public about their activities through their pages on the social networks Kazatu.Official.

Information posted on the official website of the University, as well as faculty pages, is used in the preparation of information brochures about the University and in the admissions campaign, when interacting with partners and employers.

Audited financial statements are published on the official website of the University.

Every year, as part of career guidance work, the faculty of the departments meet with senior students of comprehensive schools to disseminate information about educational programs, participate in city and republican events, "Open Day" for applicants and "Job Fair".

Thus, the University carries out comprehensive work to ensure the availability of information about the mission, objectives of the University, and quality assurance policy for the public.

Analytical part

The members of the commission note the availability of objective and up-to-date information on the university website within the framework of the EP. However, the members of the EEC note that the information on the website on the EP for internal and external stakeholders is insufficient, or is posted on different pages of the website. For convenience, it is necessary to improve the navigation of the website on the EP pages, containing all the information on the EP, including the EP Development Plan; MOP, indicating the expected learning outcomes; CED; information on the possibility of assigning a qualification upon completion of the EP, information on the employment of graduates, feedback from graduates, etc.

The university has well-organized and actually proven the activities of the EP management and teaching staff in social networks. The EP management uses a variety of ways to disseminate information, including information and social networks to inform the general public and interested parties. To inform applicants, information boards, posters, stands, banners, etc. are hung in the foyer of the university's academic buildings.

The rector's blog is a feedback channel for considering complaints or suggestions from interested parties, where control, accounting of records, prompt preparation and posting of answers to questions are carried out.

The content of the university website (sections, banners, headings) is constantly updated. Information on the events held is posted in the "News" section. Assessment of satisfaction with information about the activities of the university, the specifics and progress of the EP is carried out regularly and systematically through questionnaires, surveys, feedback, as well as through the rector's blog.

The mechanism for informing participants in the educational process at the university is the unified corporate information network "PLATONUS", through which information is collected and monitored on all educational programs, the users of which are only participants in the educational process, since access to the system is through a login and password. Students are informed about the class schedule through the "PLATONUS" IS.

Strengths/best practices:

Recommendations:

1. The Department of Digitalization should improve the navigation of the website for educational programs. Deadline - before the start of the 2025-2026 academic year.

Conclusions of the EEC on the criteria:

According to the "Public Informing" standard, 12 educational criteria were disclosed, of which 12 have a satisfactory position.



VII OVERVIEW OF STRENGTHS/BEST PRACTICES FOR EACH STANDARD

According to the standard "Educational program management"

For OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":
- not identified

According to the standard "Information management and reporting"

For OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":
- not identified

According to the standard "Development and approval of educational programs":

For OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":
- not identified

According to the standard "Continuous monitoring and periodic assessment of educational programs":

For OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":
- not identified

According to the standard "Student-centered learning, teaching and assessment of academic performance":

For OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":
- not identified

According to the standard "Students":

2. A good example is the University Alumni Association, which in every possible way promotes the development of university, increasing its role in the domestic and international educational arena. According to the standard "Teaching staff"

For OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":
- not identified

According to the standard "Educational resources and student support systems"

For OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":

- not identified

According to the standard "Public information"

For OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":

-not identified



VIII REVIEW RECOMMENDATIONS FOR IMPROVING QUALITY FOR EACH STANDARD

According to the standard "Educational Program Management":

Recommendations for EP 6B08301 - "Hunting and Animal Husbandry", 7M08304 - "Rational Use of Natural Bioresources" (2nd year), 6B05201 - "Natural Resources Using":

1. The EP management should provide for indicators of individuality, uniqueness and consistency in the content of the Development Plan of the accredited EPs, taking into account regional and national priorities in the field of hunting, rational use of natural resources and ecology in accordance with the University Strategy. Deadline: by the beginning of the 2025 - 2026 academic year.

2. The management of all EPs should complete the work on implementing the recommendations of the previous accreditation and post-monitoring.

Additional recommendations for OP 6B05201 - "Natural Resources Using":

3. The management of OP 6B05201 - "Natural Resources Using" should constantly involve representatives of all interested groups in the process of updating the OP.

According to the standard "Information Management and Reporting":

Recommendations for OP 6B08301 - "Hunting and Animal Husbandry", 7M08304 - "Rational Use of Natural Bioresources" (2nd year), 6B05201 - "Natural Resources Using":

- The university management should complete the work on updating the content of consent to the processing of personal data taking into account the current regulations and their receipt by the university employees by 30.12.2024.

According to the standard "Development and approval of the educational program":

Recommendations for OP 6B08301 - "Hunting and Animal Husbandry", 7M08304 - "Rational Use of Natural Bioresources" (2nd year), 6B05201 - "Natural Resources Using":

- The OP management should consider the possibility of developing SOPs with foreign universities.

Recommendations for OP 6B05201 - "Natural Resources Using":

- The OP management should provide for the possibility of organizing preparation for professional certification of students.

According to the standard "Continuous monitoring and periodic assessment of educational programs":

Recommendations for OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":

- The OP management should develop a work plan to improve information about all actions taken under the OP. Deadline: before the beginning of the 2025-2026 academic year.

According to the standard "Student-centered learning, teaching and assessment of academic performance":

Recommendations for OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":

- The OP management should establish feedback with students on the use of teaching staff of various teaching methods. Deadline - before the beginning of the 2025-2026 academic year.

- The OP management should develop methodological recommendations for the implementation and dissemination of its own teaching methods using innovative, interactive teaching and communication tools. Deadline - before the beginning of the 2025-2026 academic year.

According to the standard "Students":

Recommendations for OP 6B08301 - "Hunting and Animal Husbandry", 7M08304 - "Rational Use of Natural Bioresources" (2 years), 6B05201 - "Natural Resources Using":

- The OP management should regularly monitor and analyze the employment of graduates.

According to the standard "Teaching Staff":

Recommendations for OP 6B08301 - "Hunting and Animal Husbandry", 7M08304 - "Rational Use of Natural Bioresources" (2 years), 6B05201 - "Natural Resources Using":

- The OP management should develop a work plan for the development of academic mobility of the teaching staff before the beginning of the 2025-2026 academic year.

According to the standard "Educational resources and student support systems"

Recommendations for OP 6B08301 - "Hunting and animal husbandry":

- The OP management should provide for the possibility of equipping the classroom and laboratory with modern equipment, visual materials and the necessary special inventory.

According to the standard "Informing the public":

Recommendations for OP 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using":

- The Digitalization Department should improve the navigation of the website for educational programs. Deadline - until the beginning of the 2025-2026 academic year.



IX RECOMMENDATION TO THE ACCREDITATION COUNCIL



Appendix 1. Evaluation table "Conclusion of the external expert commission"

Conclusion of the external expert commission on the quality assessment of educational programs 6B08301 - "Hunting and animal husbandry", 7M08304 - "Rational use of natural bioresources" (2 years), 6B05201 - "Natural Resources Using" of the NAO "Kazakh Agrotechnical Research University named after S. Seifullin"

№ p\p	№ p\p	Evaluation criteria	Position of the educational organization			
			Strong	Satisfactory	Suggests improvement	Unsatisfactory
1. Standard "Management of the educational program"						
1	1	The university must demonstrate the development of the program's goal and development strategy based on an analysis of external and internal factors with the broad involvement of various stakeholders		+		
2	2	The quality assurance policy must reflect the relationship between research, teaching and learning		+		
3	3	The university demonstrates the development of a quality assurance culture		+		
4	4	Commitment to quality assurance must apply to any activities carried out by contractors and partners (outsourcing), including the implementation of joint/double-degree education and academic mobility		+		
5	5	The program's management ensures transparency in the development of the program's development plan based on an analysis of its functioning, the actual positioning of the university and the focus of its activities on meeting the needs of the state, employers, stakeholders and students		+		
6	6	The program's management demonstrates the functioning of mechanisms for the formation and regular review of the program's development plan and monitoring its implementation, assessing the achievement of learning objectives, compliance with the needs of students, employers and society, making decisions aimed at continuously improving the program		+		
7	7	The management of the educational program should		+		

		involve representatives of stakeholder groups, including employers, students and faculty, in the development of the educational program development plan				
8	8	The management of the educational program should demonstrate the individuality and uniqueness of the educational program development plan, its alignment with national development priorities and the development strategy of the educational organization			+	
9	9	The university should demonstrate a clear definition of those responsible for business processes within the educational program, the distribution of job responsibilities of personnel, and the delineation of the functions of collegial bodies		+		
10	10	The management of the educational program ensures the coordination of the activities of all persons participating in the development and management of the educational program, and its continuous implementation, and also involves all stakeholders in this process		+		
11	11	The management of the educational program should ensure the transparency of the management system, the functioning of the internal quality assurance system, including its design, management and monitoring, and the adoption of appropriate decisions		+		
12	12	The management of the educational program should implement risk management		+		
13	13	The management of the educational program should ensure the participation of representatives of stakeholders (employers, faculty, students) in the collegial bodies governing the educational program, as well as their representativeness in making decisions on issues of managing the educational program		+		
14	14	The university should demonstrate innovation management within the EP, including analysis and implementation of innovative proposals		+		
15	15	The EP management must demonstrate its openness and accessibility to teaching staff, employers and other stakeholders		+		
16	16	The EP management confirms completion of training in educational management programmes		+		
17	17	The EP management must strive to ensure that progress achieved since the last external quality assurance procedure is taken into account when preparing for the next procedure		+		
Total for standard			-	16	1	
2. Standard "Information Management and Reporting"						
18	1	The university must ensure the functioning of the system of collection, analysis and management of information based on modern information and communication technologies and software		+		
19	2	The management of the EP demonstrates the systematic use of processed, adequate information to improve the internal quality assurance system		+		

20	3	The EP management demonstrates the existence of a reporting system reflecting the activities of all structural divisions and departments within the EP, including an assessment of their effectiveness		+		
21	4	The university must determine the frequency, forms and methods of assessing the EP management, the activities of collegial bodies and structural divisions, and senior management		+		
22	5	The university must demonstrate a mechanism for ensuring information security, including identifying persons responsible for the reliability and timeliness of information analysis and data provision		+		
23	6	The university demonstrates the involvement of students, employees and faculty in the processes of collecting and analyzing information, as well as making decisions based on them		+		
24	7	The EP management must demonstrate the existence of mechanisms for communicating with students, employees and other stakeholders, including conflict resolution		+		
25	8	The university must ensure that the degree of satisfaction of the needs of faculty, staff and students within the EP is measured and demonstrate evidence of eliminating the identified deficiencies		+		
26	9	The university must assess the effectiveness and efficiency of activities, including in the context of the EP		+		
		The information collected and analyzed by the university within the EP must take into account:				
27	10	key performance indicators		+		
28	11	the dynamics of the student contingent in terms of forms and types		+		
29	12	the level of academic performance, student achievements and expulsion		+		
30	13	student 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 growth of graduates		+		
33	16	Students, staff and faculty must document their consent to the processing of personal data			+	
34	17	The EP management must facilitate the provision of all necessary information in the relevant fields of science		+		
Total for standard			-	16	1	
3. Standard "Development and approval of the educational program"						
35	1	The university must demonstrate the existence of a documented procedure for developing the EP and its approval at the institutional level		+		
36	2	The university must demonstrate the compliance of the developed EP with the established goals and planned learning outcomes		+		
37	3	The EP management must determine the influence of disciplines and professional practices on the formation of		+		

		learning outcomes				
38	4	The university can demonstrate the existence of a model of the EP graduate describing the learning outcomes and personal qualities		+		
39	5	The qualification awarded upon completion of the EP should be clearly defined, explained and correspond to a certain level of the NQF, QF-EHEA		+		
40	6	The EP management should demonstrate the modular structure of the program based on the European Credit Transfer and Accumulation System (ECTS), ensure that the EP and its modules (in content and structure) correspond to the set goals with a focus on achieving the planned learning outcomes		+		
41	7	The EP management should ensure that the content of academic disciplines and learning outcomes correspond to each other and to the level of study (bachelor's, master's, doctoral)		+		
42	8	The EP management should demonstrate that external assessments of the EP have been conducted		+		
43	9	The EP management should provide evidence of the participation of students, faculty and other stakeholders in the development of the EP, ensuring their quality		+		
44	10	The EP management should demonstrate the positioning of the EP in the educational market (regional/national/international), its uniqueness		+		
45	11	An important factor is the ability to prepare students for professional certification				+
46	12	An important factor is the availability of a double-degree EP and/or joint EPs with foreign universities				+
Total for standard			-	10	2	
4. Standard "Continuous monitoring and periodic evaluation of educational programs"						
47	1	The university must ensure that the content and structure of the EP is reviewed taking into account changes in the labor market, employers' requirements and the social demands of society		+		
48	2	The university must demonstrate the existence of a documented procedure for monitoring and periodic evaluation of the EP to achieve the goal of the EP. The results of these procedures are aimed at continuous improvement of the EP		+		
		Monitoring and periodic evaluation of the EP should consider:				
49	3	the content of the programs in the context of the latest achievements of science and technology in a specific discipline		+		
50	4	changes in the needs of society and the professional environment		+		
51	5	workload, academic performance and graduation of students		+		
52	6	effectiveness of student assessment procedures		+		
53	7	needs and level of satisfaction of students		+		

54	8	compliance of the educational environment and the activities of support services with the goals of the EP		+		
55	9	All stakeholders must be informed of any planned or undertaken actions in relation to the EP. All changes made to the EP must be published		+		
56	10	Support services must identify the needs of different groups of students and the degree of their satisfaction with the organisation of learning, teaching, assessment, and mastering of the EP as a whole		+		
Total for standard			-	10	-	
5. Standard "Student-centered learning, teaching and assessment of academic performance"						
57	1	The management of the EP should ensure respect and attention to different groups of students and their needs, providing them with flexible learning paths		+		
58	2	The management of the EP should ensure teaching based on the latest achievements of world science and practice in the field of study, the use of various modern teaching methods and assessment of learning outcomes that ensure the achievement of the EP goals, including competencies, skills for performing scientific work at the required level		+		
59	3	The management of the EP should determine the mechanisms for distributing the students' academic workload between theory and practice within the EP, ensuring that each graduate masters the content and achieves the EP goals		+		
60	4	An important factor is the availability of its own research in the field of teaching methods for the EP disciplines		+		
61	5	The university should ensure that the procedures for assessing learning outcomes correspond to the planned results and goals of the EP		+		
62	6	The university should ensure consistency, transparency and objectivity of the mechanism for assessing the EP learning outcomes. Criteria and methods for assessing learning outcomes should be published in advance		+		
63	7	Assessors should be proficient in modern methods of assessing learning outcomes and regularly improve their skills in this area		+		
64	8	The leadership of the EP should demonstrate the existence of a feedback system on the use of various teaching and assessment methods			+	
65	9	The leadership of the EP should demonstrate support for learner autonomy with simultaneous guidance and assistance from the teacher		+		
66	10	The leadership of the EP should demonstrate the existence of a procedure for responding to student complaints		+		
Total for standard			-	9	1	
6. Standard "Students"						
67	1	The university must demonstrate its policy for forming the student body and ensure transparency of its procedures. Procedures regulating the life cycle of students (from admission to completion) should be defined, approved,		+		

		published				
68	2	The management of the EP should provide for special adaptation and support programs for newly enrolled and foreign students		+		
69	3	The university should demonstrate compliance of its actions with the Lisbon Recognition Convention, including the availability and application of a mechanism for recognizing the results of academic mobility of students, as well as the results of additional, formal and informal learning		+		
70	4	The university should provide an opportunity for external and internal academic mobility of students, as well as assist them in obtaining external grants for study		+		
71	5	The university should actively encourage students to self-education and development outside the main program (extracurricular activities)		+		
72	6	An important factor is the availability of a support mechanism for gifted students		+		
73	7	The university should demonstrate cooperation with other educational organizations and national centers of the "European Network of National Information Centers on Academic Recognition and Mobility/National Academic Recognition Information Centers" ENIC/NARIC in order to ensure comparable recognition of qualifications		+		
74	8	The university should ensure students with internships, demonstrate the procedure for facilitating the employment of graduates, maintaining contact with them		+		
75	9	The university must demonstrate the procedure for issuing graduates with documents confirming the qualifications they have received, including the learning outcomes they have achieved		+		
76	10	The management of the EP must demonstrate that the program graduates have skills that are in demand in the labor market and that these skills are actually in demand in the labor market		+		
77	11	The management of the EP must demonstrate the existence of a mechanism for monitoring the employment and professional activities of graduates		+		
78	12	An important factor is the existence of an active association/union of graduates	+			
Total for standard			1	10	-	
7. Standard "Teaching staff"						
79	1	The university must have an objective and transparent personnel policy in the context of the educational program, including hiring (including invited faculty), professional growth and development of personnel, ensuring the professional competence of the entire staff		+		
80	2	The university must demonstrate that the quality of the faculty composing the established qualification requirements, the university strategy, and the goals of the educational program		+		
81	3	The educational program management must demonstrate the		+		

		change in the role of the teacher in connection with the transition to student-centered learning and teaching				
82	4	The university must provide opportunities for career growth and professional development of the faculty, including young teachers		+		
83	5	The university must attract specialists from relevant fields to teaching, who have professional competencies that meet the requirements of the educational program		+		
84	6	The university must demonstrate the presence of a mechanism for motivating the professional and personal development of the faculty		+		
85	7	The university must demonstrate the widespread use of information and communication technologies and software by the faculty in the educational process (for example, online learning, e-portfolio, MOOCs, etc.)		+		
86	8	The university must demonstrate its focus on developing academic mobility, attracting the best foreign and domestic teachers			+	
87	9	The university must demonstrate the involvement of each teacher in promoting a culture of quality and academic integrity in the university, determine the contribution of the teaching staff, including invited ones, to achieving the goals of the EP		+		
88	10	An important factor is the involvement of the teaching staff in the development of the economy, education, science and culture of the region and the country		+		
Total for standard			-	9	1	
8. Standard "Educational resources and student support systems"						
89	1.	The university must ensure that educational resources, including material and technical resources, and infrastructure meet the objectives of the educational program		+		
90	2.	The management of the educational program must demonstrate the availability of classrooms, laboratories and other facilities equipped with modern equipment and ensuring the achievement of the educational program goals		+		
		The university must demonstrate that information resources meet the needs of the university and the educational program being implemented, including in the following areas:				
91	3.	technological support for students and faculty in accordance with educational programs (e.g. online learning, modeling, databases, data analysis programs)		+		
92	4.	library resources, including a collection of educational, methodological and scientific literature on general educational, basic and specialized disciplines on paper and electronic media, periodicals, access to scientific databases		+		
93	5.	examination of research results, graduate theses, dissertations for plagiarism		+		
94	6.	access to educational Internet resources		+		
95	7.	functioning of WI-FI on its territory		+		
96	8.	The university must demonstrate that it creates conditions for conducting scientific research, integrating science and		+		

		education, publishing the results of research work of faculty, employees and students				
97	9.	The university should strive to ensure that the educational equipment and software used to master educational programs are similar to those used in the relevant sectors of the economy		+		
98	10.	The management of the educational program should demonstrate the availability of procedures for supporting various groups of students, including information and consultation		+		
99	11.	The management of the educational program should demonstrate the availability of conditions for the student's advancement along an individual educational trajectory		+		
100	12.	The university should take into account the needs of various groups of students (adults, working people, foreign students, as well as students with special educational needs)		+		
101	13	The university should ensure that the infrastructure meets safety requirements		+		
Total for standard			-	13	-	
9. Standard "Informing the public"						
102	1.	Information published by the university must be accurate, objective, relevant and reflect all areas of the university's activities within the framework of the educational program		+		
103	2.	Informing the public must include support and clarification of national development programs for the country and the system of higher and postgraduate education		+		
104	3.	The university management must use a variety of methods of disseminating information (including the media, web resources, information networks, etc.) to inform the general public and interested parties		+		
		Information published by the university about the educational program must be objective and relevant and include:				
105	4.	the goal and planned results of the EP, the qualification awarded		+		
106	5.	information and the system for assessing students' academic achievements		+		
107	6.	information about academic mobility programs and other forms of cooperation with partner universities, employers		+		
108	7.	information about the opportunities for developing students' personal and professional competencies and employment		+		
109	8.	data reflecting the positioning of the EP in the educational services market (at the regional, national, international levels)		+		
110	9.	An important factor is the publication of reliable information on the teaching staff on open resources, in by individuals		+		
111	10	The university must publish audited financial statements for the EP on its own web resource		+		
112	11	The university must post information and links to external resources based on the results of external assessment procedures		+		

113	12	An important factor is the posting of information on cooperation and interaction with partners, including scientific/consulting organizations, business partners, social partners and educational organizations		+		
Total by standard			-	12	-	
TOTAL			1	107	5	

