




National Centre for
Public Accreditation

SUMMARY REPORT OF THE EXTERNAL EVALUATION

of the cluster of educational programmes in

“Land Use and Cadastres”
(120700.62 (21.03.02), 120700.68 (21.04.02)),

delivered by Federal State Budgetary Educational
Institution of Higher Professional Education “Stavropol
State Agrarian University”



2014

While preparing this Summary Report we used information from the Self-Evaluation Report and the Report on the External Review of the cluster of educational programmes in "Land Use and Cadastres" (120700.62 (21.03.02), 120700.68, (21.04.02)), delivered by Federal State Budgetary Educational Institution of Higher Professional Education "Stavropol State Agrarian University".

The presentation document for the use by the National Accreditation Board.

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GENERAL INFORMATION ON EDUCATIONAL INSTITUTION

Full name of the educational institution *Federal State Budgetary Educational Institution of Higher Professional Education "Stavropol State Agrarian University" (FSBEI of HPE Stavropol SAU)*

Founders *Ministry of Agriculture of the Russian Federation*

Year of foundation *1930 – Stavropol Agriculture Institute of the Order of the Red Banner of Labour*

1994 – Stavropol State Agricultural Academy

2001 – Stavropol State Agrarian University

Current state accreditation status:

Type *Educational institution of higher education*

Location *Stavropol region, Stavropol, Zootekhnicheskij Per.,12*

Rector *Doctor of Agricultural Science, Doctor of Economic Sciences, correspondent of RAAS, professor Trukhachev Vladimir*

License *Series AAA No. 002004 reg. No. 1917 dated 05.10.2011, permanent*

State Accreditation *Certificate of State Accreditation Series No. 1422 dated 11.01.2012 valid till 25.05.2014 (reissuance)*

Number of students *18 500*

INFORMATION ON THE EDUCATIONAL PROGRAMMES UNDERGOING ACCREDITATION

Educational programmes	<i>"Land Use and Cadastres" (120700.62, 120700.68)</i>
Level of training / Standard period of training	<i>Bachelor's degree programme / 4 years Master's degree programme / 2 years</i>
Structural subdivisions (heads)	<i>Dean of the Faculties of Agronomy and Plant Protection (Doctor of Agricultural Sciences, prof. Esaulko Alexander)</i>
Major departments (heads of major departments)	<i>Department of Land Use and Cadastre (Doctor of Agricultural Sciences, assistant professor Podkolzin Oleg) Department of Soil Science (Doctor of Agricultural Sciences, prof. Tskhovrebov Valery)</i>
Date of the site visit	<i>January 27-28, 2014</i>
Person responsible for public accreditation of the study programme	<i>Dean of the Faculties of Agronomy and Plant Protection Doctor of Agricultural Sciences, prof. Esaulko Alexander; Chair of the Department of Land Use and Cadastre, Doctor of Agricultural Sciences, assistant professor Podkolzin Oleg</i>

SAMPLING RESULTS OF THE PROJECT "THE BEST EDUCATIONAL PROGRAMMES OF INNOVATIVE RUSSIA"

Indicators	2013
Cluster of the educational programmes in "Land Use and Cadastres"	
Number of the given programmes in the RF	123
Number of higher educational institutions to offer the given programmes	63
Number of programmes – winners of the project (% from total amount of these programmes offered in the RF)	46 (37%)
Stavropol region	
Number of the given programmes offered in the region	2
Number of programmes – winners of the project (% from total amount of these programmes offered in the region)	2 (100%)
Number of higher educational institutions and subsidiaries in the region	74
Total number of programmes offered in the region	750
Total number of programmes – winners of the project (% from total amount of these programmes offered in the region)	35 (4,6%)

REFERENCE DATA ON STUDENT ENROLLEMENT FOR PROGRAMMES



ACHIEVEMENTS OF THE EDUCATIONAL PROGRAMMES

Quality of educational programmes' delivery

StSAU was twice awarded the Russian Government Prize in the field of quality; the HEI is the winner of the Prize in European contest EFQM "Excellence Award" in 2008, 2010, 2013; winner of the contest of the Ministry of Education and Science of the RF "Quality systems of training of graduates of the educational institutions of professional education" for "Recognized excellence", 2010.

The educational programmes undergoing accreditation are the winners of the project "Best educational programmes of innovative Russia" in 2011-2013.

Provision of up-to-date education

Provision of up-to-date content is carried out in compliance with the requirements of educational standards and the needs of stakeholders. The university regularly conducts various surveys of employers, students, parents and school graduates. Results of the surveys are transformed into particular improvements.

Competence of the teaching staff

There are 47 members of the teaching staff in the field 120700.62 including 5 professors, 7 Doctors of Sciences and 26 Candidates of Sciences.

There are 15 members of the teaching staff in the field 120700.68 including 3 Doctors of Sciences, 12 Candidates of Sciences. 100% of teachers have academic degrees and titles.

Independent assessment of students' knowledge

In 2013 students in the field 120700.62 Land Use and Cadastres took part in the Federal Internet-exam in the sphere of professional education. According to the results of tests in the disciplines of general humanitarian and socioeconomic cycle as well as of general math and science cycle, 75-95% students have mastered 100% of the teaching units.

Employability of graduates

Employability of graduates in the field 120700 Land Use and Cadastres (2010) in "Land Cadastre" is about 90%.

Scientific activity

The total number of publications for 3 years is 439. 62 of them were published by the major departments in Russian journals from the list of the Higher Attestation commission; in 2013 this figure increased by 30% compared to the previous year. The average Hirsch index is 3,5.

Contractual activities performed by the departments involved in the implementation of the basic study programmes in scientific areas increased by 18% from 2011 to 2013 (3 453 471 rub. in 2011; 4 161 345 rub. in 2013)

Material and technical base

Over the last 5 years innovative laboratories for "Mini-Rosreestr", "Soil Monitoring", "Agrochemical Analysis", "Automated Land-Cadastral Systems", in which the contractual activity of the departments is performed, were created.

For the integration of the educational process in the applied sphere of the profession in the field of Land Use and Cadastres the research is carried out using photogrammetric equipment which is capable of working in video- and multispectral mode.

Academic mobility

The university develops international cooperation with 71 HEIs in 66 countries. Within the cooperation the opportunities of academic mobility of students in 120000 Geodesy and Land Use (120700 Land Use and Cadastres) are considered.

Teaching staff annually undergoes professional development on the base of Federal State Budgetary Educational Institution of Higher Professional Education "State University of Land Use Planning" (Moscow), University of Genoa (Italy), Hohenheim (Germany), Wageningen University of Life Sciences (Netherlands).

International projects

International cooperation is implemented through Tempus Master's degree programmes: "Network of University Programmes for Master's Training in Water Resources Management", International grant programme "GREENMA": "Innovative Technologies in Energy Conservation and Monitoring of the Environment in Russian universities" (Italy) and programme in the sphere of further education TEMPUS RUDECO - "Further Professional Education in the Sphere of Rural Development and Ecology" (Germany).

EXTERNAL REVIEW PANEL



Natalja Liba (Estronia)

Review Chair, foreign expert

Ph.D. in Technical Sciences, professor, Director of doctoral programme of Estonian University of Life Sciences (Estonia)

A nominee of Estonian Higher Education Quality Assurance (EKKA)



Evgeny Chepurin (Russia)

Deputy Review Chair, Russian expert

Candidate of Economic Sciences, assistant professor, vice-rector for education of the State University for Land Use Planning

A nominee of the Guild of Experts in the sphere of professional education



Varazdat Oganessian (Armenia)

Panel member, foreign expert

Candidate of Technical Sciences, coordinator of the international programmes of Yerevan State University of Architecture and Construction, researcher in the Department of Real Estate Planning and Land Law of Royal Institute of Technology, Stockholm

A nominee of National Center for Professional Education Quality Assurance Foundation (ANQA)



Alexey Grtisenko (Russia)

Panel member, representative of professional community

Head of nonprofit partnership "Cadastral Engineers" in the Stavropol Territory, Head of the Department for Legal and Staffing Support of state unitary enterprise "Regional Technical Inventory"

A nominee of the state unitary enterprise "Regional Technical Inventory"



Nikolay Linnik (Russia)

Panel member, representative of students

4th year student of Stavropol State Pedagogical University

A nominee of National Centre for Public Accreditation

COMPLIANCE OF THE EXTERNAL REVIEW OUTCOMES WITH THE NCPA'S STANDARDS

STANDARD 1. Policy (mission, vision) and procedures for quality assurance

Compliance with the standard: **full compliance**

Good practice

The study programmes undergoing accreditation have approved and published goals and development strategies.

The effectiveness of the methods of achievement and adjustment of the goals of the study programmes determines the demand of these programmes on the labour market.

Quality assurance system of the cluster of study programmes is formed (the system of self-evaluation is created according to groups of the approved criteria and external evaluation is performed in compliance with the requirements of Russian and international quality standards, etc.)

Areas for improvement

- More students, graduates and employers from different organizations should be involved in defining the goals and development strategies of the study programmes in the changing economic, technological, technical and legal conditions for the functioning of land-property complex in the country.
- Foreign experience of the development and implementation of the similar study programmes should be studied through Internet-resources, teachers' internships in foreign HEIs, internships of foreign teachers in StSAU, etc.

STANDARD 2. Approval, monitoring and periodic review of study programmes

Compliance with the standard: **substantial compliance**

Good practice

The curricula and working programmes of the disciplines of the cluster of study programmes are annually analyzed and revised according to the new requirements of employers and scientific achievements in the field of land use and cadastres. When revising the curricula, the conformity of the disciplines' content and the logical order of learning these disciplines are taken into account.

Delivery of the study programmes is characterized by sufficiency and availability of educational resources and is provided with educational and methodological documents and materials for all disciplines.

Surveys on the availability of educational material for learning, on quality of teaching and content of the courses are conducted on a regular basis.

Areas for improvement

- Feedback with the stakeholders should be enhanced for monitoring and periodical assessment of the study programmes.
- Content of the disciplines should be updated systematically taking into account the experience of the delivery of similar study programmes by leading Russian and foreign HEIs using benchmarking tools.
- The curricula for training of students within individual educational paths should be developed and implemented as a faculty experiment.

STANDARD 3. Assessment of student learning outcomes / competencies

Compliance with the standard: **substantial compliance**

Good practice

Educational programme "Land Use and Cadastres" (120700.62) successfully passed an independent assessment of education quality using the certified accreditation pedagogical measuring materials within the project "Federal Internet-Exam in the sphere of professional education" (Quality certificate No. 2013/2/108 dated 03.03.2014).



The system of informing students about the types, terms, requirements and control of academic performance within interim and final attestation, established in the published documents, is created.

The point rating system for assessment of student learning outcomes/competencies, which takes into account students' current learning activity, is created. Valid assessment materials (tests, case studies, business games, etc.) and the criteria for assessing students' activities are worked out. Assessment of student learning outcomes/competencies is carried out by well-qualified teaching staff.

Development of technologies and means of assessment of student learning outcomes is performed on the base of their annual analysis at different levels: the department – the faculty council – the central methodological coordination council of the university – the Academic Council of the university.

Independent assessment of student learning outcomes is carried out as part of the involvement of leading experts from employers including executive test of skills under production conditions.

Effective system for assistance in graduates' employment is established and about 90% of the graduates work in their specialty profile after graduation.

Areas for improvement

- The discipline "Methods of Research" should be included in the curriculum for the early diagnostics of scientific potential of students in order to stimulate their participation in scientific research.
- The plan for intensive English learning should be developed and implemented with the appropriate motivational support.
- The plan for foreign internships of students and master's degree students should be implemented.
- Foreign teachers should be involved in training within the programmes undergoing accreditation in StSAU.

STANDARD 4. Quality assurance of teaching staff

Compliance with the standard: **substantial compliance**

Good practice

High qualified teaching staff has academic degrees and titles (81% and 100% respectively for the programmes 120700.62 and 120700.68) and publish textbooks, educational and methodological manuals.

Educational process is closely connected with scientific and practical activities of the teaching staff.

The system for diagnostics and motivation of the teaching staff quality is established. The panel notes the stability of teaching staff composition and the increasing number of Candidates of Sciences under the age of 40. The involvement of practical specialists in teaching practical disciplines is an advantage.

Regular professional development of the teaching staff is performed.

Areas for improvement

- The number of teachers who have education in the field of land use and cadastres should be increased.
- The university administration should develop organizational measures to ensure high qualified translation and editing of scientific papers and articles in English to publish them in foreign journals with high impact factor.
- Partner agreements on mutually beneficial terms should be concluded to involve high qualified teachers from Russian and foreign HEIs in conducting lectures, seminars, laboratory and practical classes, master classes, etc. on a long-term basis.
- The mechanisms should be developed to stimulate teachers to participate in international research and training projects with foreign partners through personal connections and special grant programmes (Tempus, Erasmus Mundus, etc.)

INFORMATION ON THE LEADING TEACHERS OF THE EDUCATIONAL PROGRAMMES

Podkolzin Anatoly

Doctor of Biological Sciences, professor at the Department "Agrochemistry and Plant Physiology", author of 155 scientific and educational-methodological papers. Director of State Centre of Agrochemical Service "Stavropolsky"

Podkolzin Oleg

Doctor of Agricultural Sciences, assistant professor, Chair of the Department "Land Use and Cadastres", awarded the honorary diplomas of the Government and Duma of the Stavropol Region for the contribution in the development of the system of land resources management, author of 102 scientific works and 3 patents for inventions

Tskhovrebov Valery

Doctor of Agricultural Sciences, professor, Chair of the Department "Soil Science" named after professor Tulpanov, author of 130 scientific works

Esaulko Alexander

Doctor of Agricultural Sciences, professor, Chair of the Department "Agrochemistry and Plant Physiology", Dean of the Faculty of Agronomy and the Faculty of Plant Protection of StSAU, honoured worker of higher professional education of the RF and honoured worker of the agroindustrial complex, author of 64 articles, holder of 4 author certificates

Pismennaya Elena

Candidate of Geographical Sciences, assistant professor of the department "Land Use and Cadastres", awarded three diplomas including the diploma for training the prize winner of the second round of All-Russian contest for the best scientific work among the students of the HEIs of the Ministry of Agriculture; author and co-author of 60 articles and 15 methodological guidelines in the sphere of land use and cadastre

STANDARD 5. Learning resources and student support

Compliance with the standard: **full compliance**

Good practice

Study programmes are provided with classrooms, modern laboratories, specialized rooms and professional geodesic equipment.

Computer-based technologies (computer textbooks, databases, test and monitoring programmes, computer simulators, gaming programmes, expert training systems, software packages, etc.) are commonly used in the educational process.

Each student has the access to electronic library systems "University library online" and "Lan". There are contracts for the access to the Electronic library of theses of the Russian State Library, the Central scientific agricultural library, scientific electronic library eLIBRARY.RU, electronic library system "Rukont". Access is provided to international abstract journals, international archive full-text journal collections and databases Web of Science and Scopus.

The faculty and university infrastructure (modern library reading room, language laboratories, specialized laboratories and classrooms, software, equipment, etc.) and working hours of these facilities allows students to perform independent studies and research work.

Each student who needs accommodation has an opportunity to live in a comfortable hostel with the Internet access. There is a student clinic, about 30 studios and hobby groups for students' recreation and leisure. University gyms are certified according to European standards. Student self-governance is well-developed.

Students' surveys on educational process organization are conducted annually, and based on the results of these surveys the changes are made in working programmes of the disciplines, curricula and plans of educational work.

Areas for improvement

– The system for creating favorable conditions to provide accessible education for people with disabilities should be enhanced.

STANDARD 6. Information system providing effective implementation of the study programme

Compliance with the standard: **substantial compliance**

Good practice

Most disciplines are provided with electronic teaching materials including the curricula, manuals, teaching guides and tests. Teaching and methodological materials, electronic textbooks and manuals are available in the local university network and the departments of the faculty.

The university has the database of students and graduates (AIS "Contingent") in which the data for 120 parameters (name, address, family, language skills, attestation, point-rating system, participation in olympiads, contests, marks, certificates, employment, etc.) is presented.

AIS "Calculation of Training Hours and Staffing" is created which allows to analyze the main indicators of the performance of the subdivisions responsible for the programme implementation.

Areas for improvement

- A well-structured website of the major department with full Russian and English versions should be developed to place the information on the employability of graduates.
- Benchmarking tools should be used to increase the competitiveness of the cluster of programmes undergoing accreditation.
- Further development and update of the information system should be ensured. The information content of the university website should be enhanced in accordance with the requirements of the RF Government Decree dated July, 10 2013 No. 582 "On approval of the Rules for placing and updating the information about the educational institution on the official website of the educational institution in information and telecommunication network "Internet".

STANDARD 7. Public information

Compliance with the standard: **substantial compliance**

Good practice

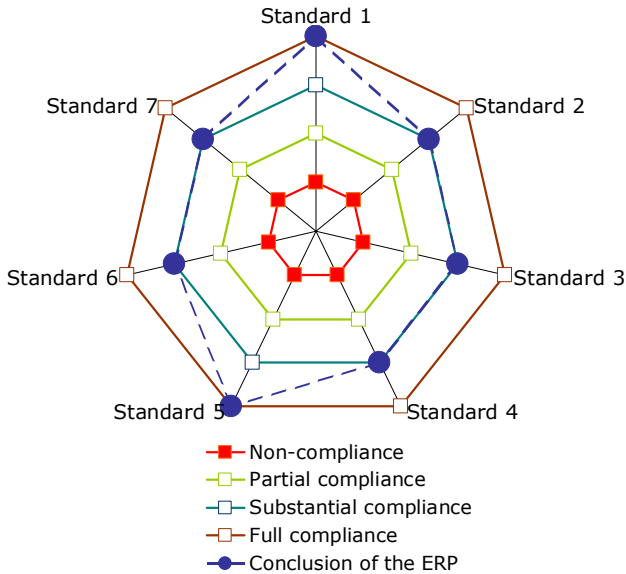
Public information about the study programme is performed through the official university website, social networks, mass media, reference books for prospective students and by the teachers who participate in career guidance. The presented information is sufficiently complete and reliable.

There is a large number of publications on the quality and achievements of the study programmes undergoing accreditation, which contain a lot of open information.

Areas for improvement

- A long-term programme of cooperation with strategic partners from professional community should be developed and the appropriate contracts should be concluded. Joint public information on employability of graduates should be performed through systematic publications in printed media and on the Internet, which will increase competitiveness of the cluster of study programmes undergoing accreditation.
- Information content of Internet-resources of the HEI, faculty and departments should be enhanced for both Russian and English versions of the website.

DISTRIBUTION DIAGRAM OF THE EXTERNAL REVIEW OUTCOMES



- Standard 1. Policy (mission, vision) and procedures for quality assurance
- Standard 2. Approval, monitoring and periodic review of programs and qualifications
- Standard 3. Assessment of student learning outcomes / competencies
- Standard 4. Quality assurance and competencies of teaching staff
- Standard 5. Learning resources and student support
- Standard 6. Information system providing effective implementation of the study programme
- Standard 7. Public information

CONCLUSION OF THE EXTERNAL REVIEW PANEL

Based on the analysis of documents, data and oral evidence presented, the External Review Panel came to the conclusion that the cluster of educational programmes "Land Use and Cadastres" (120700.62, 120700.68) to a large degree comply with the standards and criteria of public accreditation of the National Centre for Public Accreditation.

The External Review Panel would like to mention the following strengths of the programmes undergoing accreditation: high level of information system development, which ensures the effective delivery of the study programmes; availability of modern library, information and educational resources; well-developed social infrastructure; availability of the system for diagnostics and motivation of the teaching quality; availability of the system for student learning outcomes assessment (documentation, criteria and procedures).

The External Review Panel recommends the National Accreditation Board **to accredit the cluster of educational programmes (120700.62, 120700.68) "Land Use and Cadastres" for a period of 6 years.**

SCHEDULE OF THE SITE VISIT OF THE EXTERNAL REVIEW PANEL

Time	Activity	Participants	Venue
January 26, Sunday			
Throughout the day	Meeting of the External Review Panel (ERP) members and coordinators of the review of the educational programmes at the Stavropol airport		Airport, Stavropol
January 27, Monday			
8.45	Arrival at Stavropol State Agrarian University		
9.00 – 10.30	Training for the ERP members	ERP, staff members responsible for accreditation	Main Building
10.00 – 10.30	Meeting of Deputy Director of the National Centre for Public Accreditation (NCPA) with university administration and teaching staff	G. Motova, Deputy Director of NCPA, university administration, teaching staff	Main Building, Academic Council Meeting Hall
10.30 – 11.30	Meeting of the ERPs with university administration and staff members responsible for accreditation	Rector, vice-rectors, Head of the Education Quality Management Centre, Heads of the Departments of the Education Quality Management Centre, Head of the Department of Educational Process Management, ERP	Main Building, room 4
11.30 – 12.00	Break	ERP	Main Building, University Administration Meeting Hall
12.00 – 13.00	Excursion around the university	ERP, coordinators	Main Building, Building of the Faculty of Economics and Accounting and Financial Faculty, Building of the Faculty of Agricultural Mechanization
13.00 – 14.00	Lunch		University café
14.00 – 15.00	Meeting with staff members responsible for accreditation of the educational programmes	Deans of the faculties, deputy deans of the faculties, ERP	Building of the Faculty of Agronomy, room 283

Time	Activity	Participants	Venue
15.00 – 15.30	Break	ERP	Building of the Faculty of Agronomy, room 283
15.30 – 16.30	Meeting with chairs of the major departments	Chairs, ERP	Building of the Faculty of Agronomy, room 283
16.30 – 17.00	Work with documentation	ERP	Building of the Faculty of Agronomy, room 283
17.00 – 18.00	Meeting with representatives of professional community	Representatives of professional community, ERP	Building of the Faculty of Agronomy, room 283
18.00 – 18.30	Internal meeting of the ERP	ERP	Building of the Faculty of Agronomy, room 283
18.45 – 19.25	Concert of creative student teams		Assembly Hall
January 28, Tuesday			
9.45	Arrival at Stavropol State Agrarian University		Main Building, University Administration Meeting Hall
10.00 – 11.00	Meeting with Bachelor's Degree students	Students, ERP	Main Building, room 4
11.00 – 11.30	Internal meeting of the ERP	ERP	Main Building, room 46
11.30 – 12.30	Meeting with Master's Degree students	Students, ERP	Main Building, room 4
12.30 – 13.00	Internal meeting of the ERP	ERP	Main Building, room 46
13.00 – 14.00	Lunch		University café
14.00 – 15.00	Meeting with teaching staff	Teaching staff, ERP	Building of the Faculty of Agronomy, room 283
15.00 – 16.00	Work with documentation	ERP	Building of the Faculty of Agronomy, room 283
16.00 – 17.00	Meeting with alumni	Alumni, ERP	Building of the Faculty of Agronomy, room 283
17.00 – 18.00	Internal meeting of the ERP	ERP	Building of the Faculty of Agronomy, room 283