

**FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION
OF THE HIGHER PROFESSIONAL EDUCATION
STAVROPOL STATE AGRARIAN UNIVERSITY
FACULTY OF AGRONOMY**

Approved

Rector of FSBEI HPE «Stavropol State Agrarian University», Doctor of agriculture, Corresponding Member of the Russian Academy of Agricultural Sciences,



Professor V.I. Trukhachev
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**REPORT
ON SELF-ASSESSMENT OF EDUCATIONAL PROGRAMS' CLUSTER
120000 GEODESY AND LAND MANAGEMENT
(21.00.00 Applied Geology, Mining Practice, Oil and Gas Engineering
and Geodesy)**

120700.62 (21.03.02) Land Management and Cadastre
120700.68 (21.04.02) Land Management and Cadastre

Dean of the Agronomy Faculty

A handwritten signature in blue ink, appearing to be 'A.N. Esaylko', is written over the page.

A.N. Esaylko

Stavropol, 2013

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Introduction

The aim of the report on the self- assessment of educational programs' cluster 120000 Geodesy and land management (21.00.00 Applied Geology, Mining Practice, Oil And Gas Engineering And Geodesy), realized in the FSEI HPE "Stavropol State Agrarian University" (hereinafter – SSAU) on compliance to the criteria of the public and professional accreditation is an intention to improve the quality of education, quality culture development in the team of teachers and students, public informing about the values, practices and performance of the SSAU in the training of bachelors and masters.

The task of the report: the demonstration of a commitment to quality education, obtaining an independent evaluation of the quality of educational programs, development of experts' recommendations for educational programs improvements, increasing the competitiveness of graduates at local and international markets of educational services, improvement of the level of graduates' employability.

The self-assessment was conducted in transparency, close interaction of administrative and public institutions, teachers and students, fruitful work in the spirit of objectivism and constructivism. During the process of self-assessment the analysis of contents, the level and quality of training programs 120700.62, 120700.68 "Land Management and Cadastre" was conducted; the evaluation of training and requirements of educational programs was done; the dynamics of program's cluster development was researched; recruitment, information, financial support of the educational, scientific and educational processes were studied, the efficiency of interaction with professional and local communities was evaluated.

The self-assessment was conducted by a group of responsible people in the departments according to the order of the Rector of the University (Order number 504, 09/12/13). The schedule of self-assessment was made, the final format of the report and its contents were determined on the base of it. The self-assessment involved teachers, students, graduate students, staff of specialized departments of the University, representatives of employers in the region.

1. OVERVIEW

The SSAU is one of the oldest and largest agricultural universities in Russia. The history of the SSAU started in September 1930, when the Stavropol Agricultural Institute was founded on the base of the Faculty of sheep breeding of the Moscow Zootechnical Institute and Moscow Institute of sheep breeding.

The Agronomy Faculty was established in 1941. Over the years, it has trained thousands of professionals. Not only managers of all agribusiness levels, agricultural enterprises specialists are among the graduates, but also scientists, doctors of sciences and PhD's. Every year more than 200 applicants enter the University. More than 1,400 students study at full-time and extramural courses at the Faculty, the best of them receive personal and government grants.

There are 85 teachers at the Faculty, among them there are 4 academicians of the Russian Academy of Agricultural Sciences, 17 professors, doctors, 43 associate professors. 90% of employees are alumni of the Agronomy Faculty.

The main program is "Agriculture", which is trained according to the state standards of the second and third generation, more than 500 students of full-time and part-time courses are trained at the Faculty.

The Agronomy Department has trained bachelors and masters on the programs 120700.62 120700.68 "Land management and Cadastre" since 2010.

The programme "Land Management and Cadastre" is realized by 22 departments and includes 64 courses. Among them 6 departments are from Agronomy Faculty. The Faculty Council is the governing body of the Faculty. The Council consists of 9 professors (39 % of the total number of members of the Council) and 9 associate professors (39%). The Council consists of: the Dean of the Faculty, the deputy Dean, heads of all departments; the other most experienced and respected teachers. The Chairman of the Board is the Dean of the Faculty, Head of Agronomic Chemistry and Plant Physiology Department, Professor A.N. Esaulko.

The Dean's Office provides The direct management of the educational process. The Dean's Office of the Agronomy Faculty consists of 9 employees: Dean (Professor A.N. Esaylko), five Dean's deputies, and 3 secretaries.

The Educational program 120700 "Land Management and Cadastre" is developed on the basis of the Federal State Educational Standard (FSSES HPE) for bachelors and masters; it contains courses of federal, national and regional (university) components, the student's choice courses and optional subjects.

The analysis of departments' reports has confirmed that the content of Bachelor's and Master's program "Land management and Cadastre" meets the requirements of State Educational Standards and provides students with the opportunity to form individual educational trajectories.

The level of realization of the educational program 120700.62 "Land Management and Cadastre" is Bachelor. The average term of training is

four years. Forms of training are full-time, part-time, reduced. The qualification of the graduates is Bachelor.

The level of realization of educational program 120700.68 "Land Management and Cadastre" is Master. The average term of training is two years. The form of training is full-time. The qualification of graduates is Master.

2. CONFORMITY TO STANDARDS OF PROFESSIONAL PUBLIC ACCREDITATION

Standard 1. Policy (objectives, development strategy) and educational program quality assurance procedures

The SSAU Mission, tactical and strategic aims are to expand the boundaries of knowledge and training, provide training for graduates, professionals; improve the quality of life in the South of the Russian Federation, and contribute to the preservation and multiplication of moral, cultural and scientific values of the society

The Mission of the basic educational programs cluster "Land management and Cadastre" is the training of competitive professionals able to participate in R&D, topographic and geodesic works, in land management, cadastral registration of real estate, required by law, in state control over the use of real estate, land and the environment protection, in usage of information technologies, modeling, and modern technology to create cadastral maps and cadastral information systems.

The aims and objectives of the educational Master's program 120700.68 – "Land Management and Cadastre" (Land-use Planning and Land Management) includes: scientific and practical skills in land management and cadastre training, including a system of land management and real estate of the Stavropol Territory, organization of land-use planning, forecasting, planning and design of land management, management and protection of land. Goals and objectives of the educational program consistent with the Mission of the educational institution (<http://stgau.ru/obschinf/mission.php>). A graduate of the program 120700.68 – "Land management and cadastre" is prepared to deal with the following professional tasks:

— Organization and execution of the design and survey on land management and real estate cadastre .

— Land management projects development (urban and other land management projects, including land-use planning);

— Carrying out of feasible studies of projects and schemes of demarcation of land in the formation and reorganization of land management;

— Registration of rights to land, real estate, operations and transactions;

— Real estate cadastre;

— Maintaining state control over land management and protection , environment protection in accordance with state law;

— Use of information technologies, modern technology in creating cadastral maps, conducting mass valuation of land and other real property;

— Design and survey, topographic and geodetic surveys etc.

The Bachelor's BEP Mission is the training of qualified personnel in the field of land management and cadastre through the formation of students' general culture (universal, general science, social and personal, instrumental) and professional competences in accordance with the requirements of the Federal State Educational Standards of Higher Education on the program 120700.62 "Land Management and Cadastre" and development of personal characteristics (dedication, self-organization, diligence, responsibility, communicativity, tolerance, common culture) in order to implement the generated competence in professional activity. Goals and objectives of the educational program consistent with the Mission of the educational institution (<http://stgau.ru/obschinf/mission.php>).

The aims and objectives of bachelors' educational program 120700.62 – "Land Management and Cadastre" includes practical skills development in the following areas: property relations, system of land management and real estate, land management organization on the territory, forecasting, planning and design of land management, sustainable use and protection of land; accounting, registration and cadastral valuation of real estate, topographic surveying and cartographic support land and inventories; positioning properties, cadastral surveys, cadastral systems', land other real estate survey; enforcement activities to establish ownership, and control of land and other real estate management, real estate inventory, monitoring of land and other real estate, taxation of real estate, real-estate activity, appraisal and consulting activities in the field of property complex.

Staff and students organize and participate in international conferences, symposia, seminars, fairs and exhibitions: "The International Fund of biotechnology in honor to the Academician I.N. Blohina", "RosBioTech" is an annual international biotechnology exhibition-forum, the annual "International Student Forum" "Problems in the rational use of land and ecological condition in modern Europe".

The applicant has a systematic, comprehensive, integrated and well thought out approach to product and service to create an optimal value to customers and self-improvement:

- unique for the region own innovation labs "Laboratory of automated cadastre systems", Laboratory "Mini Russian Register";
- basic enterprise for training and practices;
- implementation of the principle "education through life": bachelor, master, professional development, postgraduate, doctoral.

Foreign citizens are given the opportunity to be trained on the basis of innovative Faculty's and University's laboratories, such as "Laboratory of automated cadastre systems", "Lab "Mini Russian Register", "Laboratory of Geoinformatics and electronic mapping", "Laboratory of

automated design systems in land management" "Laboratory monitoring of soil fertility".

The University's staff has an opportunity of professional development at State University of Land Management (Moscow) and the at the enterprises of Stavropol Territory, such as "Shpakovsky Giprozem", "Bioterra" etc.

The results of the research carried out in collaboration with the masters and students, are published in leading journals such as "Planning, Cadastre and Land Monitoring» (<http://panor.ru/journals/kadastr>), «Bulletin AIC Stavropol", Information Bulletin VOGiS", " Biology" , as well as in foreign editions.

The variable part of the program "Land management and Cadastre" is based on the choice of subjects according to the Federal State Educational Standard, curriculum taking into account soil and climatic conditions of the Stavropol Territory, which are widely represented in advertisements, in books about the University, University's site, university's newspapers, in the film "AU, student!" on the channel STRC.

Students and Masters have practiced in leading companies: the Office of the Federal Service for State Registration, Cadastre and Cartography in the Stavropol region, " Russian Register " in the Stavropol Territory and branch offices in the municipalities of the region, Committee of Urban Development at Stavropol city Administration, "Rostehinventarizatsiya", "Kraytehinventarizatsiya" etc. The result is the practice of writing reports, diaries. The head of the company assesses students' knowledge and recommendations in the review. Masters are trained in order to obtain not only practical skills but also thesis writing. For comparison, in the Kazan State Agrarian University the contracts have been concluded with only three private enterprises. Consequently, Masters of "Land management and Cadastre" in the Stavropol State Agrarian University have much more opportunity for practice and employment, more opportunities for research and its implementation into production.

Themes of master's theses are approved at Department "Land management and cadastre" meetings, then discussed and approved during the first months of Masters' training at the Methodical Council of Agronomy Department, and confirmed by orders of the University.

The staff of the Agronomy Department, including the leading department of program "Land management and Cadastre" regularly conducts training courses for the staff of relevant organizations. The interaction with the professional community enabled us to analyze the situation in the sphere of production, timely update the necessary competence of graduates, offer the most popular at this time of scientific and consulting services.

The meeting of Faculty's Educational Committee and meeting of "Land management and Cadastre" Department are held according to the results of the intermediate and final attestation of students. There is a system of parents' informing on the achievements and possible difficulties in students' teaching process, based on the records of the Department's

meeting and meeting of Educational Committee's. The Faculty uses a letter of gratitude, telegram, telephone calls and an invitation to visit the curator, penalties.

To ensure an effective management system, the University has developed, implemented and certified quality management system according to international standard ISO 9000 in 2004. In 2011, the University recertified and received a certificate of compliance with the requirements of ISO 9001:2008 for the second time. The Mission, Quality Policy, University's awards in the field of quality are available on the website of the University on the page of Education Quality Management Center (<http://www.stgau.ru/sites/CUKO/?logout=yes>). The quality assurance of the educational program is provided by:

- internal self-evaluation system (knowledge level of applicants, quality of resources, quality of teaching; qualified teaching staff, quality of educational programs, quality of educational infrastructure; competence of graduates);

- external evaluation of University's educational activities (social and professional accreditation by the International Union of Public Academies of Sciences, 2008 – (Appendix 2); public and professional educational programs accreditation of Agency for Higher Education Quality Assurance and Career Development, 2010 – (Appendix 3), "Best Educational program of Innovative Russia" (Guild of Experts in the sphere of vocational education, National Center of Public Accreditation) 2010 - 2013. (Appendix 4);

- evaluation of University's activities in accordance with the requirements of Russian and international quality standards (University is a laureate of the Russian Government in the field of quality in 2005 , 2011. – (Appendix 5, 6,) Finalist , Prize Winner of the European quality contest (EFQM« Excellence Award » 2008 , 2010 , 2013 – (Appendix 7 , 8, 9), Winner of a competition of Russian Federation Education and Science Ministry " Quality Training System of professional education institutions " in the category "Recognized for Excellence" 2010 – (Appendix 10).

The information about educational programs and achievements can be found on the faculties' pages of University's website (http://www.stgau.ru/company/?set_filter_structure=Y&structure_UF_DEPARTMENT=39&filter=Y&set_filter=Y) in the sections "Structure of the University, Faculties, "Faculties' News". The information is available for the public. This information is also published in brochures, University's newspaper, gift publications of the University, in reference about the University.

The faculty surveys' results are the base for, and revised goals and objectives determination, correction of the educational program. These procedures ensure the objectives of BEP and improve the process of professional socialization of Bachelors and Masters on the program "Land management and Cadastre" (Appendix 1)

Areas for improvement

1. Placement of the University's main documents which regulate the

educational and scientific processes at the University's website in the English version.

2. Continuing to improve the monitoring and evaluation of programs and qualifications and on the basis of the results to obtain the necessary changes and additions, practical and relevant to modern scientific achievements in the field of geodesy and land development.

Standard 2. Approval, monitoring and periodic evaluation of programs and qualifications

The cluster of educational programs in 120700 Land Development and Cadastral Register is a complex project, which is a system of interconnected state and university documents, establishing:

- objectives, expected results, the structure and content of education;
- conditions and technologies of the educational process;
- system of teachers' performance, bachelors and structural subdivisions;
- tools and technologies for assessing the quality of students' training at all stages of their learning.

The existing curricula on the realized cluster of educational programs are annually reviewed by the end of the school year in the context of the new requirements, challenges or achievements, are the basis for the allocation of the teaching workload in the disciplines, departments and teachers. The workload and departments' staff are annually approved in the last academic year meeting of the SSAU Academic Council.

Based on the experience gained in the implementation of such specialties as "Land Registry", "Urban Land Registry" and others there was created a direction "Land Development and Cadastral Registry" for the provision of the Federal Service for State Registration, Cadastral Records and Cartography with highly qualified personnel. Currently about 70 % of our graduates are employed in the Russian register. In this regard, potential employers are actively involved in the creation of training programs, and on their own initiative in 2013, changes were made in the work programs of the disciplines of geodesics, Land Development, Cartography, Principles of Urban Development and planning of settlements, territorial planning, land registry of built-up areas, the Basis of Cadastral Register, which are directly related to the specific activities of the management.

The program of academic disciplines are annually reviewed, discussed with representatives of employers and approved by methodical councils and meetings of departments. Working programs of academic disciplines are annually updated in accordance with the objectives and results of the implementation of educational programs: updated content of work programs of training courses, teaching materials, recommended bibliography, data support.

The department for Educational Standards, Curricula and Syllabi

carries out the coordination of the educational process at the University, prepares regulations, monitors and controls the development and implementation of educational programs.

In the Stavropol State Agrarian University there is a principle of training continuity for bachelors and masters of Land Development and Cadastral Register programs. Currently there is no postgraduate training in this profile.

The quality of the basic educational program while performing the mission of the SSAU is determined by appropriate goals of the educational program and learning outcomes based on the knowledge of graduates and employers' requests, state, strategic partners. The mechanism to achieve expected learning outcomes is described in the Federal State Educational Standard, in the basic educational program in "Land Development and Cadastral Register", requirements to the staff and to teaching methods and logistical support of the educational process, to the organization of work experience, to the vocational training of bachelor and master program students and to the final state certification.

Monitoring of learning outcomes achievement is conducted at interim and final evaluation of students' skills by teachers, supervisors of practical training, members of the state certification commission and employers. The adjustment mechanism of learning outcomes is based on the accounting of students', teachers' and employers' opinions through questionnaires and analysis of practical training reports. The analysis of the data can reasonably adjust the learning outcomes. Annually there is an analysis of departments' activities according to the database of teachers' and departments' ranking.

Stakeholders can view the expected learning outcomes which are stated in the Federal State Educational Standard, the curriculum, work training programs of the disciplines on the University website, departments' websites and teachers' personal accounts.

The system of interaction with employers, labour market representatives and other organizations is based on contractual relations. Practical training bases are departmental agencies and agricultural enterprises of the Southern Russia.

The form of training sessions on subjects is determined by the Federal State Educational Standard of Higher Education. The basic educational program of graduates training includes lectures, seminars, laboratory and practical classes. Processes of teaching and learning are based on the competence approach for the realization of which active and interactive forms of training are widely used to form and develop the professional skills of students in the educational process (analysis of specific situations, educational conferences, etc.) are combined with extracurricular work .

For the successful realization of students' and masters independent work there are respective conditions: individual workplace for theoretical (calculations, graphics, etc.) and practical (laboratory, research and training, etc.) work, information resources (manuals, tutorials, banks of

individual assignments, software packages, etc.); methodical materials (instructions, manuals, workshops, etc.), control materials (tests), material resources (computers, measuring and processing equipment, etc.); consultation (members of academic teaching staff, staff of research institutes and laboratories, etc.), the ability to select individual educational trajectory (elective disciplines, supplemental educational services, individual training plans); possibility of public discussion of the theoretical and / or practical results obtained undergraduates alone (conferences, competitions, contest).

The independent preparation for training sessions (laboratory and practical classes, seminars, tests, exams, etc.) is controlled by the relevant teacher at training sessions. For the implementation of the students' independent work there are conditions created - Scientific Library, methodical cabinets, computer support for training materials delivery and the rapid and effective self-monitoring, departments' websites and teachers' personal accounts with materials for each discipline and relevant links.

To assess the students' and masters' learning activities the following criteria, rules and regulations are consistently applied : Standards of the university teaching and learning activities, the Regulation on the University rating system of students' assessment, the Regulation on monitoring and interim evaluation of university students, the Regulation on the procedure of academic debts liquidation, the Regulations on the procedure of students' expulsion and enrollment, the Regulation on the final state certification.

The basic educational program implementing is characterized by adequacy, sufficiency and availability of educational resources and is provided with instructional documentation and materials for all academic disciplines (modules). Content of academic disciplines is represented on the university site. Each student is provided with access to e-library system containing publications on major subjects studied and formed on the basis of agreements with the owners of educational and methodical literature.

The content of educational program is focused on the best domestic and foreign counterparts. The faculty actively develops bilateral cooperation with foreign educational institutions. Cooperation has multilevel and multidirectional nature: the use of personnel potential parties in organizing and conducting of joint research, scientific - methodological and scientific- practical cooperation, participation in joint scientific and technical activities at various levels (symposia, forums, conferences, and seminars), a joint research and experimental activities.

Research work is the obligatory section of the basic educational program for Master training and aims to complete the formation of common cultural and professional competences. Students have an opportunity to study professional literature and other scientific and technical information on the achievements of domestic and foreign science, to participate in research, collect, process, analyze and

systematize the scientific information; presentations at conferences (the results will be demonstrated during the site visit).

Realization of the educational program is continuously evaluated on the results of the interim monitoring and final state attestation of graduates, which are analyzed and evaluated by the Scientific Council of the Faculty of Agronomy.

Areas for improvement

1. Actualization of disciplines work programs content is based on the experience of development of similar educational programs and didactics of leading foreign universities to provide a better understanding of the European dimension and global trends in education in the enlarged group 120000 Geodetics and Land Development and increase the attractiveness of these programs for foreign students, masters and postgraduates.

2. International accreditation of the program for the enlarged group 120000 Geodetics and Land Development in the European accreditation agencies.

Standard 3. Students' level of knowledge/competences assessment

The SSAU pays considerable attention to the assessment of applicants', students' and alumni' knowledge level.

The SSAU ranks high among all universities in the country on the quality of admission to the state universities of the Russian Federation in areas of training according to the rating conducted by the Public Chamber (33 - in 2012). Applicants with best results of the Unified State Exam enter the specialty "Land Development and Cadastral Register". Admission requirements and test results are presented on the official website of SSAU (www.stgau.ru organization's website, www.stgau.ru/abiturient/index2.php report on the results of entrance examinations). For attracting the best trained, creative and active school graduates, winners and prize winners of regional and all-Russian competition the personal invitations are sent to them. The system of pre-university education in educational and scientific-industrial cluster includes Center of pre-university training, which includes 15 educational counseling centers in 14 districts of the Stavropol Territory and the city of Stavropol. They annually train more than 650 students, who are focused on entering the SSAU. The Pre-university training center provides educational services for students from schools of the city of Stavropol. Considering the needs of students the training time ranges from 8 months to 3 weeks. Various forms of education are offered: full-time, part-time, evening classes.

Basic methods of students' learning achievements assessment are in the score-rating system which has been functioning in the SSAU since the academic year 2008-2009. The point-rating system compensates for the shortcomings of the traditional system, consisting in the absence of current educational records of the student. For all kinds of work done by students during the semester (semesters), they get points and there are different forms of control measures ("checkpoints"), each of which is

assessed a certain number of points, points are awarded for an exam or the final result, a rating point on the subject. There is a fund of assessment materials for each discipline (tests, case studies, business games, etc. with the required validity and reliability) and the criteria for assessment of the activities of students (the results will be demonstrated during the site visit).

All information on the types, timing, requirements for monitoring of students' knowledge is communicated to them during the first session, through training manuals on discipline, placed on the websites of departments, academic teaching staff members' personal accounts (www.stgau.ru/company/?set_filter_structure=Y&structure_UF_DEPARTM ENT=39&filter=Y&set_filter=Y).

Tools and technologies of students' assessment are annually analyzed at all levels: departments, the Faculty's Academic Council meeting, the Central methodical Coordinating Council, the Academic Council of the University. The analysis of students' academic performance over 3 years showed that performance remains stable (Appendix A). Within public accreditation to assess the quality of education on the level of "residual" knowledge the online testing will be held for students of second and third years of study on "Land Development and Cadastral Register" program (Appendix A, paragraph A4).

Starting from students days there is work on the development of scientific capacity within the Student Scientific Society at the department (the results will be demonstrated during the site visit). Students from the first year are attached in the innovation laboratories; they take part in field and office work. The department operates students' scientific circles; students are either members of research groups together with teachers or performed under the guidance of teachers' independent research. The proportion of students of the Faculty involved in scientific circles is about 90%.

Annually International Scientific and Practical Conference "Agricultural science, creativity, growth" is held which involves students and masters of the training area "Land Development and Cadastral Registry". Student papers are heard at scientific sessions and published in the conference proceedings.

Students and masters enrolled in "Land Development and Cadastral Registry" program actively participate in National competitions and conferences, such as the All-Russian competition for the best scientific works of students and young scientists of higher educational institutions of the Russian Federation Ministry of Agriculture, the competition for the best labour unit (Appendix 11). At the faculty the effective system of employment assistance graduates is organized which starts with senior students and continues until graduates have specific workplaces. To that end, the meetings of the future graduates with potential employers are held. About 90% of graduates after graduation begin work on a specialty.

Areas for improvement

1. Optimization of internships abroad program implementation to enhance international mobility of students and masters.
2. Greater involvement of foreign teachers and lectures for reading courses (in foreign language) and advance training courses attendance for academic teaching staff members on the basis of the University Language Center for foreign languages learning to enhance academic mobility.

Standard 4. Quality assurance and competence of the academic teaching staff

Academic teaching staff, which implements programs of the cluster, is formed of highly qualified teachers with academic degrees and titles. The strengths of the human capacity is the availability of scientific schools and system of training highly qualified staff, stable groups, as well as a significant number of staff members coming from the production sector or engaged in the production of economic contracts. Directions and indicators of the university staff development are presented in the "Strategy of the Development of the Stavropol State Agrarian University until 2020".

The total number of core academic teaching staff in the direction 120700.62 is 47 people, including 5 Professors, 7 Doctors of Sciences and 26 people with PhDs.

The total number of core academic teaching staff in the direction 120700.68 is 15 people, including 3 Doctors of Science and 12 people with PhDs.

Positive are the age changes of academic teaching staff of the highest qualification: the increase of staff members with PhD in the age under 40 years. The average age of academic teaching staff members is stable with a tendency toward rejuvenation. The staff turnover in the departments is virtually nonexistent. Practitioners are actively involved in the learning process: Doctor of Agricultural Sciences, Professor A.I. Podkolzin who is the director of Federal State Institution State Center of Agrochemical Services Stavropolsky; Candidate of Geographical Sciences S.A. Antonov who is the Head of Laboratory of GIS technologies of SSI Stavropol Agricultural Research Institute of the RAAS; PhD in Geography S.G. Lagoon who is an geodetic engineer of the first category of JSC "Gazprom". For comparison, in the Kazan State Agrarian University to implement an educational program "Land Development and Cadastral Registry" the same number of practitioners is involved.

The main source of recruitment of academic teaching staff for educational program implementation is postgraduates and alumni of the SSAU on specialties "Land Registry" and "Ecology and Nature". There was frame expansion from such organizations as GIPROZEM, Gazprom, Stavropol Scientific-Research Institute of Agriculture.

All subjects required by the basic educational program are taught by qualified academic teaching staff members. All teachers have scientific specialty which fits the profile of the subjects taught. The University's strength is high scientific potential. Employees of the department are in

constant cooperation with various major universities in Europe and Russia aimed at integrating research and interaction. One of the objectives is to develop relations and expansion of subjects interacting with partners in production and business sector, which will positively affect the future employment of graduates of the Stavropol State Agrarian University on direction "Land Development and Cadastral Registry".

Faculty members regularly participate in international conferences, symposia, seminars, fairs and exhibitions (Conferences within the projects «Tempus», exhibitions RosBioTech and Agrouniversal) (Appendix 11).

Academic staff every year train on the basis of training FSBEI HPE State University of Land Management (Moscow) on the topics "Land surveying and cadastral providing" (2011), "Land surveying and cadastral implementing a state program for the development of agriculture" (2012), "Making property rights , including land plots of agricultural land" (2013), University of Genoa (Italy), Hohenheim (Germany), University of Natural Sciences of Wageningen (Netherlands), in addition, members of the department are held annually training in organizations: limited company "Meridian ST", Federal State Institution of State center of agrochemical service "Stavropolsky", limited company "Geocomplex". For example, in 2011, leading scientists, professor A. N. Esaulko and associate professor A. N. Podkolzin participated in the seminar "Modern laboratory equipment for analytical laboratories" that took place in Minsk on the basis of close company "Spektrlab". In the same year, Professor A. N. Esaulko and associate professor O. A. Podkolzin have been training on the theme "Innovative educational and scientific organization in educational institutions" held by the International Academy of Economics in Berlin. In 2012, Head of the Department of Land Management and Cadaster O. A. Podkolzin, visited the People's Republic of China at the invitation of the Ministry of Land Resources of China, where he participated in seminars and conferences, received a certificate of advanced training.

Within the framework of the international project Tempus JPCR 159311/2009 "Network Master's programs in the field of water resources management" in Vladimir State University held lectures on the topic: "The concept and structure of the land of the Russian Federation. Earth of inventory of water resources" in the amount of 32 hours lecturer by teachers of "Land management and cadaster", M. S. Zhikhareva and V. G. Rimshi. Joint work, adjust and develop innovative approaches to the development of educational programs. Under the same program coordination meeting was held with the participation of the leading teachers of the university.

In the SSAU we have adopted effective procedures for the hiring of employees. An applicant before signing an employment contract under the signature studies the Charter, the collective agreement, internal regulations of labour routine, Provisions for the processing and protection of personal data of employees and students, the Regulation on wage policy and objectives in the field of quality, job description and other local acts directly related with work. Filled consent to the processing of personal

data of the employee. When an employment contract the employee makes the relevant documents. The SSAU adopted hiring out by the order of the rector on the basis of a labour agreement. The order on employment under the signature of the employee is declared within three days. One copy of the contract is stored in the personal file of academic staff; the second instance receives employee confirming receipt of the signed copy to the employer.

The system of rating assessment of activities of departments and point-rating system for teachers based quantitative and qualitative indicators in all areas, scientific, educational, and social, sports, etc. Position Head of Department and the teaching and support staff of the department is determined by the rating of the department place. The teacher position is the result of the sum of the individual scores. At the beginning of each calendar year, rating of faculty departments and each employee individually are held. The payment of incentive allowances depends on the position in the ranking: the higher the position, the greater the share of allowances in wages. Rating is taken into account when making personnel decisions, moral encouragement of employees. (Appendix A, app. A3).

The total number of publications per 3 years was 439. Some of them are in Russian journals in list of Higher Attestation Commission - 31.2%. Average it-factor is 0.14. The total number of publications of teachers employed in the implementation of the main educational program in the direction of 120700.68; past three years it was 286. Average h-index is 3.6. (Appendix A, app. A7)

As an example of professional and scientific activities of teachers an innovative approach in the choice of forms of professional development for academic staff can be noted, it is the organization of mutual training courses through public lectures and seminars with leading experts and Heads of potential employers, and the organization of such courses directly on the basis of partners. So in 2010 there were conducted refresher courses for cadastral engineers by teachers V. G. Rimsa and D. A. Shevchenko.

The diagnostic quality system of teaching is based on the monitoring results from the departments, administration and questioning students. Established in university system rated activities of departments and point-rated activities of academic staff creates a competitive environment and activates the channels of upward mobility training.

Areas for improvement

1. Enhanced action on the increase in the number of publications and citations of academic staff in Russian and foreign scientific journals indexed in databases - Web of Science, Scopus.

2. Optimizing the structure of the teaching staff competencies (assessed by the method "360 degrees") based on the analysis of the difference between the desired and the actual level of competence.

Standard 5. Educational resources and providing of students

Much attention in the University is paid to the material and technical base of the educational process. To ensure the quality of training of specialists at the university set up a network of educational laboratories specialized classes and classrooms. At the Department of Land Management and Cadaster are two lecture halls (№ 279, № 280), one lecture room (№ 278), laboratory "Mini Russian State Register" which was established in 2012, the laboratory "Automated cadastral systems", laboratory "Geoinformatics and electronic mapping", laboratory "Automated design systems in land", two teaching classrooms (№ 286, № 284).

For an educational program used classroom fund equipped in accordance with modern requirements. All the departments are equipped with computers that departments have access to the Internet. Information technology used for the preparation of bachelors and masters in 120700.62, 120700.68 - Land management and cadaster to ensure the learning process articulated knowledge of the computer tutorials, training databases, test and monitoring programs and other computer tools to store, transfer and check the correctness of assimilation training information for educational purpose. In addition to learning activities used computer information technology, which are based on different models: software packages, computer simulators, laboratory workshops, program business games; expert training systems and other computer tools that allow the trainee during the training to obtain knowledge of the subject area studied. The direction is provided with modern software systems, such as AutoCAD, MapInfo, and Polygon "delimitation plan". The department has used in the educational process modern surveying equipment (electronic total stations, theodolites and levels produced by the leading manufacturers of precision surveying equipment (Trimble, Topcon, Sokkia), GPS receivers and controllers Trimble, Garmin navigators, etc.).

The specialized department "Land management and cadaster" hold joint practical work with companies and organizations on a contractual basis: "The Russian State Centre of inventory and accounting of the property – the Federal Bureau of Technical Inventory" (Federal State Unitary Enterprise "Russian technical inventory - Federal BTI"), and other Federal Service for State Registration, Cadastre and Cartography the following areas: land management, land use planning, design and engineering work inventory, surveying work.

The Scientific Library of the Stavropol State Agrarian University provides each student with a core curriculum and learning and teaching literature, manuals necessary for the organization of the educational process in all disciplines of accredited educational programs.

The funds of print and electronic media is formed in accordance with the Order of the Ministry of Education of the Russian Federation "On approval of the minimum standards of security institutions of higher education training base in respect of the library and information

resources" from 11.04.2001 № 1623, Order of the Federal Service for Supervision in Education and science "On approval of licensing regulations to the presence of the licensee educational, learning and teaching materials and other library and information resources and means to ensure the educational process implemented in accordance with the license for educational activity programs of higher professional education" from 05.09.2011 № 1953.

The library of the Stavropol State Agrarian University has 2089950 copies of educational, scientific and literary, including a 1260443 copies of educational and learning and teaching materials in print and / or electronic form, which is 60.3% of the total fund literature. The library fund is staffed with printed and / or electronic editions of textbooks on basic disciplines of the base of all cycles in the last 10 years (for basic disciplines of the humanities, social and economic cycles - for the last 5 years).

The fund of an additional literature includes official reference and bibliographic and periodicals based at least 7 copies for every 100 students. The library fund has more than 723 titles of periodicals: All-Russia Institute of Scientific and Technical Information abstract journals, bibliographies and specialized journals, including on electronic media. Students have access to an electronic database Polpred.com. Media Review, electronic versions of scientific periodicals, included in the database eLIBRARY.RU, electronic library system "University Library online" (<http://www.biblioclub.ru>), electronic library system "Lan" (<http://e.lanbook.com>), to international archival collections of full-text journals. The Fund consists of the following periodicals publishing towards training of Land Management and Cadaster (http://bibl.stgau.ru/new/index.php?option=com_content&view=category&id=2&Itemid=36). Granted access to the database of own generation "Articles", which includes more than 200 thousand records.

Each student is provided with access to electronic scientific and educational resources.

The university established its own e-library "Proceedings of the SSAU scientists", which contains more than 900 full-text sources, including more than 400 titles of educational and instructional materials available to students via the Internet. Allocated resources are used in the educational process and are presented in the work programs as a basic and additional literature.

For providing information for educational and research process are trained to provide access (including through the Internet) to the e-library systems, "University Library online", "Lan". Satisfies all substantive characteristics presented to electron - library systems.

Contracts for access to resources Electronic Library Russian State Library of theses, scientific electronic library eLIBRARY.RU, Central Scientific Agricultural Library, electronic library system "Rukont" are signed.

Library users open access to international databases and the abstract: Scopus publishing «Elsevier Science & Technology »; WEBOFSCIENCE of Thomson Reuters.

As for international archival collections of full-text journals: American Geophysical Union (John Wiley & Sons); Annual Reviews; Cambridge University Press; IOP Publishing; The American Association for the Advancement of Science; Oxford University Press; Nature Publishing Group; Royal Society of Chemistry; SAGE Publications; Taylorand Francis.

The website of the Scientific Library contains over 200 links to educational and scientific resources online, including the resources of the Federal State Statistics Service, the official online portal of legal information, etc.

Over 95% of subjects are listed in the main and / or additional literature work programs at least 3 electronic resources. Planned grade funds held with the direct involvement of the issuing department.

To increase employment opportunities, successful adaptation to the labor market bachelors and masters in 120700.62, 120700.68 - Land management and inventory there are a number of additional educational programs (<http://idpo.stgau.ru/>).

Technical and administrative staff is qualified to provide the educational process at a high level. Annually technical and administrative staff is certified. Periodically training courses are conducted on the program of fire-technical minimum, according to the rules of fire safety, aimed at the professional growth of staff.

Masters and students have the right and opportunity to live in the dorms of the SSAU. The University currently has four dormitories for 170, 590, 500 and 510 seats. Each dormitory function library, showers, ballet and dance classes, classes for self-development, sports room with gym equipment and wall bars , kitchens , bathrooms and toilets . The construction of the eleven- storied hotel complex with a total area of 14.7 thousand square meters for 750 people , which provide students and postgraduates places to live in the comfort of the present conditions, private rooms self- equipped with computers with internet, sports and fitness centers, dining room with 200 seats, student cafes and cafeterias with 120 seats, meeting rooms for cultural and scientific activities, facilities to provide comprehensive sanitary (hairdresser, sauna) and medical services. (<http://stgau.ru/study/obschejitiya/hostels.php>)

Annually it conducts surveys of students and teachers on the educational process (Appendix 1). The results of this survey make changes in policy papers such as the concept of cluster development of educational programs, mission, vision, and tactical - curricula and disciplines work programs, plans of educational work and scientific research.

Comparative analysis in terms of security of direction of training areas Department of Land Management and Cadaster of the Stavropol State Agrarian University and the Kazan State Agrarian University has shown that the most favorable conditions are created in the SSAU. This is

reflected in the presence of a larger number of the SSAU in specialized laboratories, more security and a variety of modern surveying equipment.

Areas for improvement

1. The development of the material and technical base and software of educational and research processes in line with global trends in education enlarged group 120000 Surveying and Land Management and increase the attractiveness of these programs for foreign students, masters and postgraduates.

Standard 6. Information system providing an effective implementation of educational program

Development Strategy of the SSAU adopted in 2013 till 2020. This document is one of the key elements of the strategic management of the university.

Some of the key objectives of the strategy are:

- The concentration of talent - attracting to the Stavropol State Agrarian University talented students, masters, academic staff and researchers through the internationalization of education, the development of their own programs, encouraged to participate in regional and federal programs to support creative staff and students.

- A variety of resources - diversification of sources of budgetary and extra-budgetary funding through commercialization of research results of scientific schools, transfer of technologies, expanding the range of additional services, expanding the scope of expert- consulting activities of employees.

- optimal control – continuous improvement of management system through the encouragement of leadership, empowerment through inspirational motivation, increased communication flow and allocation of resources.

Monitoring of educational activities' quality on the faculty for agronomy has different forms of implementation: 1) the standard form of monitoring is the current, intermediate, final state attestation, according to the development of the educational program by the teachers of the faculty, State Attestation Commission; 2) satisfaction survey of various consumers with products and services of the SSAU – students', employers', staff, graduate students' satisfaction, carried out by the quality department within the relevant documented procedures; 3) internal audits annually organized by the quality management system of the university according to the documented procedure "Internal Audit"; 4) system of rated activities of departments and higher-education teaching personnel, developed by the university to improve the effectiveness of subdivisions and personnel; 5) the system of competitions designed and implemented to motivate the quality workmanship.

A rating system of teacher assessment is developed, tested and implemented to ensure objectivity and detail implementation evaluation of the cluster of educational programs in the university; it consists of the department rating. The rating system is a comprehensive evaluation of all

activities in the department, including the assessment of the effectiveness of the educational process in the form of centralized control test of students' knowledge, satisfaction assessment of students and teachers with quality of the educational process, the quality of teaching materials, the results of the internal audit unit of the QMS subdivision, educational and scientific work. The rating is one of the main mechanisms for basic activity of departments, the tool engagement of staff in the implementation strategy of the university. This system is constantly analyzed and updated.

Inside the University the document flow between all departments is carried out via local area network. Also, the department "Land management and cadastre" has a local area network connecting all laboratories of the department. There is a client-server distributed database for the formation of departments teaching load based on the list of subjects taught according to the curriculum in areas of training.

There is a comparative information (benchmarking) about the achievements in the implementation of educational programs for the enlarged group 120000 Geodesy and land organization compared to other areas of training, implemented in agricultural universities in Russia (evidence at the local level).

Educational materials are placed in the personal accounts of teachers, besides, each student is provided with access to e-library system containing publications on major subjects studied and formed on the basis of agreements with the owners of educational and methodical literature.

The University has established its own database system of students and graduates, called AIS contingent. It monitors the students at more than 120 parameters: name, photo, address, parents' information, studied languages, etc. It implements such features as history movement, certification and score-rating assessment, lists and references, report wizard. Besides, there is developed AIS calculation of training hours and staffing which allows to calculate the plans of 2nd and 3rd generation, accounting features of the educational process for the various forms of employment, accounting of classroom and extracurricular assignment, consistency control of training groups according to the working study plan, the opportunity of forecasting the manning table and assignment for 3-5 years, as well as reports of departments, faculty and university assignments as a whole.

Areas for improvement

1. To achieve the further development and update of the existing informational system, including the publishing of more detailed information about the educational programs and their achievements in the English version.

2. To elaborate and implement a copyright protection system with the publication of teachers' materials in the public domain.

Standard 7. Public information

The public information about the educational program occurs through a variety of communication channels. The significant role plays the official

website of the university. The information resource of the website is generated from publicly important information for all participants of the educational process, business partners and all other stakeholders, the website is available at: www.stgau.ru in accordance with the rules of posting on the Internet and update of the information on the educational institution (approved by RF Government Decree of 18 April 2012. No. 343). The site contains information about the activities of the university and its divisions. Each department involved in the educational process in the direction of preparation "Land management and cadastre" has its own section on the website of the university with the materials for disciplines and the learning process (www.stgau.ru).

The main information and resource components of the SSAU's official website are: general information about the university as a public educational institution; reference materials about educational programs, educational forms, university entrance; materials about the organization of the educational process; materials about scientific activities and international contacts of the university; electronic-library resources, collection of case materials in the profile of the faculties, departments, branches and other departments of the university; materials about the events of the university's current life, events held at the university and with its participation, news archives.

SSAU's official website has a large amount of diverse information for which a horizontal menu of information on the home page is implemented, as well as system of banners and modules. The horizontal navigation menu on groups is static and consists of following points: "For school leavers" (www.stgau.ru/abiturient/index2.php), "For students" (www.stgau.ru/study/schedule/schedule.php), "Structure of the university" (www.stgau.ru/company/), "Science" (www.stgau.ru/science/). The main modules of the main page are: "Latest News", "Events", "Virtual Tour of the University", "Faculties' news ", etc. The site also contains information about vacancies for students in their specialty. Almost all the information on these sections can be obtained both in Russian and in English. The helpful sections of students' informing are "Schedule", where at any time everybody can online view all schedule updates, and "Teachers' personal accounts", which contains material required for the development of the discipline, exercises for students, lab practical, questions for exams, moreover, every teacher has forums and blogs, in which students can ask questions.

The official group "Stavropol State Agrarian University" actively works in the social network "Vkontakte", numbering more than 8200 members (http://vk.com/stavropol_gau), where are registered account administrators and teachers of the university operatively involved in the discussion of students' problems.

The university's activity is regularly shown with help of mass media: "TV channel – Rossiya", "Russian newspaper Stavropol", "Argumenty and Facty", "Stavropolskaya Pravda", etc. New approaches in educational

activities are regularly published in the university's newspaper "Agrarnyi Universitet " and "Journal of Agribusiness Stavropolye "

To inform school leavers and students are used information stands, brochures, which reflect information about the educational program, the possibility of professional trajectories for graduates – bachelors and masters on training "Land management and cadastre."

The SSAU and the Agronomy Faculty actively cooperate with the state and municipal authorities, institutions of Russian State Register, professional associations, and graduates.

The main way for interaction the university with the Ministry of Agriculture and Ministry of Natural Resources is the work of the Research and Education Cluster in agriculture of Stavropol region. Through this cluster the questions of personal training are settled in the Stavropol region, setting up a unified training system of vocational education to the first job. That means all the activities are carried out at the maximum adaptation of the learning process to the realities of modern land administration system in the Stavropol region in Russia.

Interaction with the Federal Service for State Registration, Cadastre and Cartography (Russian register) and its subordinate organizations is carried out by practical training of students in these organizations, training courses for graduates, meetings and conferences, both on the basis of these institutions and on the basis of the SSAU (evidence on the site).

The SSAU and the Agronomy Faculty actively build relationships with non-governmental organizations. The primary trade union organization of the SSAU's students is actively involved in all processes. Moreover, there are lots of student organizations such as labor groups, volunteer group "Tolk", student group "Zabota", center for aesthetic education of students (evidence on the spot).

The faculty actively cooperates with state and municipal authorities, institutions and the Ministry of Agriculture in Stavropol region, professional associations, and graduates.

For graduates are created conditions for job search in the university – get acquainted with the major employers' organizations, existing vacancies for employment, places for practice, place the resume on the page of the center for promoting the employment of graduates placed on the website of the university. Monitoring studies on graduate employment and demand for occupations in the labor market are conducted. Results of the graduates' employment analysis are considered at meetings of the Faculty's Academic Council, department meetings.

Reaction on the needs of the labor market is carried out mainly in the framework of the cluster, where the constant monitoring of staffing needs happens, which is compiled on the basis of state order for specialists' training in land management and cadastre.

Areas for improvement

1. Audience accumulation of page visitors on the site of the Agronomy Faculty of the university by creating and placing on it of new

entries, such as "Laboratory's news of automated cadastre systems" (involving representatives of the academic and professional communities, local population), conducting of electronic magazine "Student-land surveyor" informing about the activity results of specialized student teams.

3. Findings

The development of accredited educational programs by the enlarged group 120000 Geodesy and land organization (120700 Geodesy and land organization) is in line with the mission and strategy of the University.

The goals and objectives of educational programs are identified, assessed and adjusted during the study of teachers' and students' opinions, heads of sections of enterprises and institutions, employers about the training quality of graduates, opinions of graduates about the readiness to implement professional activities. Educational activities aimed at the needs of the region.

A quality management system (QMS) is developed, certified and implemented in the University. The Quality policy is discussed with the heads of various levels with the involvement of interested parties (stakeholders).

The revision of working lesson plans and study field programs is annually held according to the objectives and results of educational programs: there is an updating of the content of working programs of training courses, teaching materials, and assessment tool funds, ensuring the implementation of appropriate educational technology with the development of science, technology, information technology, economics, culture and social policy.

When forming the curriculum there is an accounted coherence between disciplines and a logical sequence of study is build. Disciplines and elective courses in each discipline complement the federal component of the cycle.

The procedure for assessment of knowledge/skills of students and graduate students at the intermediate and final certification is regulated by the developed and approved documents. Control of the training quality of students and graduate students is carried out throughout the whole training period. Conclusions about the training quality are being made according to the results of educational and scientific activities. There is also organized scientific-research work of students at departments.

An open point-rating system of assessment/formedness of students' competencies are implemented. This system is used to encourage the systematic work of students, differentiation of knowledge assessment, as well as rise of objectivity and reliability of the preparation level of students.

The implementation of programs for the enlarged group 120000 Geodesy and land organization realizes the competent higher-education teaching personnel in the fields of knowledge covered by the educational program (research and practical activities of teachers, Russian Science

Citation Index) and close relationship of educational process with scientific researches. A system of rated activities of departments and point-rating system of higher-education teaching personnel is created in the university what creates a competitive environment and activates the channels of upward mobility training.

The strengths of the human capacity are the availability of scientific and pedagogical schools and system of highly qualified staff training. The higher-education teaching personnel take part in various international, national and intramural conferences, seminars and exhibitions.

Educational programs on the enlarged group 120000 Geodesy and land organization are provided with classroom fund, laboratories and equipment. Laboratories are equipped with modern equipment and instruments necessary to carry out laboratory and practical works. Equipment and instruments are used not only in the educational process, but also in the performance of research and advanced development, graduate qualification works of bachelors, specialists, master's students and graduate students of all directions. Innovative laboratories are databases of training practices.

To optimize the learning process there are widely used multimedia classrooms, Internet resources, which have exercises for students. Classroom disciplines are provided with necessary electronic educational resources, many of which are placed on educational servers of the university.

For students' self-guided work in the disciplines of scientific and research work, course and final execution of projects the time is given for working in the computer labs, laboratories, in the reading room of the scientific library.

The heads of the university and faculties regularly collect information about the participation of students, postgraduate students and teachers in conferences and competitions. Information about these achievements is hosted on the university's and faculties' website.

The public information is made through the university's website, social network "Vkontakte" and YouTube, mass media, brochures, leaflets and books about the university. The teachers hold professional orientated meetings according to the annual plan. The public information is held on the traditional Doors Open Days of faculties and the university and meetings with graduates.

Monitoring researches concerning the employment of graduates and demand for occupations in the job market are conducted. Information about employment and demand of graduates is held on the website of the center for promoting the employment of graduates, posted on the website of the university. Analysis results of graduates' employment are considered at meetings of the faculty's academic councils and departments' meetings.

APPENDIX A
ACHIEVEMENTS OF THE CLUSTER OF EDUCATIONAL PROGRAMS
120000 GEODESY AND LAND PLANNING

(21.00.00 Applied geology, mining , oil and gas and geodesy) ,

120700.62 Land Management and Cadastres,

120700.68 Land Management and Cadastres

A1. Quality of the realization of the educational program

Identifying the quality of students training is based on the analysis and evaluation of admission requirements , the results of control of knowledge in the disciplines of all blocks of the curriculum, intermediate and final state certification of graduates .

The analysis of academic performance of students at training areas 120700.62 Land Management and Cadastres for 2 years showed that the performance remains stable - from 80 to 84% , GPA - 4.0-4.2. The data is presented in the table.

O-level

GroupNº	O-level during the 1st term	O-level during the 2nd term	O-level during the year	O-level of the course during the year
2011 – 2012 , 1 year of studies				
4	4,125	4,3	4,21	4,21
5	4,2	4,3	4,25	
6	4,14	4,37	4,26	
7	4,13	4,09	4,11	
2012 – 2013 , 2 year of studies				
4	4,23	4,27	4,25	4,14
5	4,24	4,37	4,31	
6	3,98	3,81	3,9	
7	3,93	4,29	4,11	
2012 – 2013 , 1 year of studies				
4	4,27	4,42	4,35	4,26
5	4,32	4,23	4,28	
6	4,28	4,22	4,25	
7	4,27	4,04	4,16	

The direction 120700.62 Land Management and inventories does not have any bachelors graduates. However, the graduates of the specialty "Urban Cadastre" successfully work at enterprises and organizations of the region.

Students receive a scholarship of the President, the Government, Russian Academy of Sciences, Ministry of Education, Ministry of Agriculture of the Russian Federation, the Governor, name scholarships, etc. (Supporting documents on the spot).

A2. Providing the actual content of education

Providing the actual content is in accordance with the requirements of educational standards and the needs of stakeholders. Therefore, the University is constantly using various questionnaires and surveys of employers , students, parents, school leavers . Polling results are transferred into concrete improvements.

So, for the past 2 years we have radically changed the University website, added pages for faculties, other departments. Now you can get a lot of useful information - about foreign internships, about scholarship programs for research projects and achievements of students and staff about where to find a job, etc.

In addition, the University not only creates excellent conditions for learning, living, sports, artistic creativity, but also feeds our students and staff. In September 2013, the survey was conducted on the food supply system at the University. And by December, there were results of changes - expanded range of dishes, revised pricing policy.

A3. Staff (professor-teaching staff competence)

The teaching staff of the Agronomy Faculty is formed of highly qualified teachers with academic degrees and titles. The total number of the core faculty in the direction 120700.62 is 47 people, including 5 professors, Doctors of sciences - 7 pers., PhDs 26 people.

The total number of the core faculty in the direction 120700.68 is 15 people, including: Doctors of Science - 3 pers., PhDs 12 people. The proportion of individuals with academic degrees and titles is 100%.

By teaching special subjects teachers are actively involved in practices: Doctor of Agricultural Sciences, Professor A.I. Podkolzin – Director of the FSBE GTSAS Stavropol, the Candidate of Geographical Sciences S.A. Antonov - Head of Laboratory of GIS GNU Stavropol Agricultural Research Institute of the RAAS, PhD in Geography S.G. Lagoon - Engineer Surveyor of the 1 category of

"Gazprom UGS ITC." For the comparison, in the Kazan State Agrarian University to implement an educational program at the major "Land management and cadastre" the same number of producers were attracted.

The Faculty every year participates the qualification improvement on the basis of training HPE State University of Land Management (Moscow) on the topics

"Land surveying and cadastral software" (2011), "Land surveying and cadastral implementing a state program for the development of agriculture" (2012), "Making property rights, including land plots of agricultural land" (2013), University of Genoa (Italy), Hohenheim (Germany), University of Natural Sciences of Wageningen (Netherlands), in addition, members of the department are held annually training in organizations: LLC "Meridian ST", Federal GTSAS "Stavropol", LLC "geocomple". For example in 2011, leading scientists Esaulko A.N., professor and the assistant professor Podkolzin O.A. participated in the seminar "Modern laboratory equipment for analytical laboratories" that took place in Minsk on the basis of "Spektrlab."

The main source of recruitment of teachers for the education program are postgraduates and alumni of the SSAU with the majors "Land Cadastre", "Ecology and Nature". Also we hired new specialists through a number of organizations GIPROZEM, Gazprom, SNIISKH.

The university ranking system for assessing the achievements of the faculty on the basis of output indicators teachers rated departments. The Consolidated group criteria rated: educational and methodical work, educational and pedagogical work, qualification of the professor-teaching

staff, fundraising, research work, educational and extracurricular activities, volunteer work, awards and recognition.

A4. Independent assessment of the level of students' knowledge (participation in projects FEPO, Ahelo etc.)

The University participates in the Federal Professional Education exam online. Students with the 120700.62 Land management and cadastre for the first time took part in it in 2013. The analysis of test results in 2013 in the disciplines of general humanitarian and socio-economic cycle, as well as general math and science cycle showed that the percentage of students who have mastered 100% is 75% -95%.

A5. Demand for graduates (employment)

The major 120700 Land Management and Cadastre does not have any graduates. However, the employment rate for graduates with the major " Land Cadastre" in 2010 was about 90%.

A6. Training Resources

For the organization of the educational process for bachelors, specialists and masters in the enlarged group 120000 Geodesy, land management were adequately provided with the material-technical base .

A7. Scientific activities

The total number of publications per year was 3439. Of them in Russian journals from the list of the Higher Attestation Committee - 31.2%. Average it-factor is 0.14. The total number of publications of teachers employed in the educational programme for the major 120700.68 during the past three years was 286. The average h-index - 3.6.

A8. Academic mobility of students - an area for improvement

The University is developing international cooperation with 71 university in 66 countries. In cooperation, the possibilities of the University and partner universities academic mobility for students enrolled in the enlarged group 120000 Geodesy and Land Management (120700 Planning and cadastres) are studied.

A9. International Projects

Professor Esaulko A.N. and assistant professor Podkolzin O.A. have been training on the topic "Innovative educational and scientific organization in educational institutions" held by the International Academy of Economics in Berlin. In 2012, the Head of the Department of Land Management and Cadastre Podkolzin O.A., visited the People's Republic of China as an invitation of the Ministry of Land Resources of China, where he participated in seminars and conferences, received a certificate of advanced training.

Within the framework of the international project Tempus JPCR 159311/2009 "Network Master's programs in the field of water resources management " in Vladimir State University there were held lectures on the topic : "The concept and structure of the land of the Russian Federation . Earth Water Fund " in the amount of 32 hours the lectures were delivered by the teachers of the " Land management and cadastre " department M.S. Zhikhareva and V.G. Rimshi.The joint work allowed to adjust and develop innovative approaches to the development of educational programs. Under the same program the coordination meeting was held with the participation of the leading teachers of the university.

**List of the sociological surveys, held during the period
2008-2013**

By the department of sociological surveys and marketing

1. "University entrants' questionnaire".
2. "Choice of the University".
3. "Adaptation of the first year-students' at the University".
4. "Upbringing work at the University".
5. "Cultural and leisure activities of students".
6. "Students' initiatives".
7. "Study process informatization (questionnaires both for teachers and students)".
8. "Public food delivery at the University".
9. "People' satisfaction with labour".
10. "Graduates' life plans".
11. "Youth's style of life".
12. "Questionnaire of the head (employers' survey)".
13. "Questionnaire of a specialist (survey of employers)".
14. "Quality of life of the population of the town of Stavropol".

МЕЖДУНАРОДНЫЙ СОЮЗ
ОБЩЕСТВЕННЫХ АКАДЕМИЙ НАУК



СВИДЕТЕЛЬСТВО

ОБ ОБЩЕСТВЕННО-ПРОФЕССИОНАЛЬНОЙ АККРЕДИТАЦИИ

СРОКОМ НА 5 ЛЕТ

РЕГИСТРАЦИОННЫЙ НОМЕР 001/ОПА-08

Федеральное государственное
образовательное учреждение высшего
профессионального образования

«СТАВРОПОЛЬСКИЙ
ГОСУДАРСТВЕННЫЙ
АГРАРНЫЙ
УНИВЕРСИТЕТ»

Организационно-правовая форма
Государственное учреждение

Тип образовательного учреждения
Высшее учебное заведение

Вид образовательного учреждения
Университет

Председатель Совета
по общественной аккре-
дита-ции
образовательных учреждений



Г.П. ВОРОНИН

2011 года

АККОРК

Агентство по общественному контролю
качества образования и развитию карьеры

*Приложение
к свидетельству об аккредитации № П-114*

г. Москва

Действителен до 14 октября 2013 г.

Программы высшего профессионального образования:

- 020800.62 «Экология и природопользование»
- 080100.62 «Экономика»
- 080500.62 «Менеджмент»
- 110200.62 «Агрономия»
- 110300.62 «Агроинженерия»
- 110400.62 «Зоотехния»
- 140200.62 «Электроэнергетика»

Председатель Аккредитационного совета АККОРК,
Член-корреспондент Российской академии образования

Ю.Б. Рубин

Выдано 14 октября 2010г.

АККОРК

Агентство по общественному контролю
качества образования и развитию карьеры

Свидетельство об аккредитации № П-114

г. Москва

Действителен до 14 октября 2013 г.

Настоящим подтверждается аккредитация Федерального государственного образовательного учреждения высшего профессионального образования «Ставропольский государственный аграрный университет» Агентством по общественному контролю качества образования и развитию карьеры на программном уровне (перечень программ указан в Приложении) и соответствие Университета Стандартам гарантий качества, установленным АККОРК на основании рекомендаций Европейской ассоциации гарантий качества в высшем образовании (ENQA).

Председатель Аккредитационного совета АККОРК,
Член-корреспондент Российской академии образования
Ю.Б. Рубин



Выдан 14 октября 2010г.

ГИЛЬДИЯ ЭКСПЕРТОВ В СФЕРЕ ПРОФЕССИОНАЛЬНОГО ОБРАЗОВАНИЯ
НАЦИОНАЛЬНЫЙ ЦЕНТР ОБЩЕСТВЕННО-ПРОФЕССИОНАЛЬНОЙ АККРЕДИТАЦИИ
ЖУРНАЛ "АККРЕДИТАЦИЯ В ОБРАЗОВАНИИ"



**“Лучшие образовательные программы
инновационной России”
2010 год**

“АГРОНОМИЯ”
“ВЕТЕРИНАРИЯ”
“ЗАЩИТА РАСТЕНИЙ”
“ЗООТЕХНИЯ”
“МЕХАНИЗАЦИЯ СЕЛЬСКОГО ХОЗЯЙСТВА”
“ЭКОНОМИКА И УПРАВЛЕНИЕ
НА ПРЕДПРИЯТИИ (ПО ОТРАСЛЯМ)”
“ЭЛЕКТРИФИКАЦИЯ И АВТОМАТИЗАЦИЯ
СЕЛЬСКОГО ХОЗЯЙСТВА”

Федеральное государственное образовательное учреждение
высшего профессионального образования
“Ставропольский государственный
аграрный университет”

РЕКТОР
Трухачев Владимир Иванович



ПРАВИТЕЛЬСТВО РОССИЙСКОЙ ФЕДЕРАЦИИ

ДИПЛОМ

ЛАУРЕАТА ПРЕМИИ ПРАВИТЕЛЬСТВА РОССИЙСКОЙ ФЕДЕРАЦИИ
2005 ГОДА В ОБЛАСТИ КАЧЕСТВА

*Федеральному государственному
образовательному учреждению
высшего профессионального образования
«Ставропольский государственный
аграрный университет»
г. Ставрополь*

ПРИСУЖДЕНА ПРЕМИЯ ПРАВИТЕЛЬСТВА
РОССИЙСКОЙ ФЕДЕРАЦИИ В ОБЛАСТИ КАЧЕСТВА
ЗА ДОСТИЖЕНИЕ ЗНАЧИТЕЛЬНЫХ РЕЗУЛЬТАТОВ В
ОБЛАСТИ КАЧЕСТВА ПРОДУКЦИИ И УСЛУГ, А ТАКЖЕ
ЗА ВНЕДРЕНИЕ ВЫСОКОЭФФЕКТИВНЫХ МЕТОДОВ
УПРАВЛЕНИЯ КАЧЕСТВОМ.

Председатель Правительства Российской Федерации

М. Фрадков



Регистрационный номер 81

г. Москва



ПРАВИТЕЛЬСТВО РОССИЙСКОЙ ФЕДЕРАЦИИ

ДИПЛОМ

ЛАУРЕАТА ПРЕМИИ ПРАВИТЕЛЬСТВА РОССИЙСКОЙ ФЕДЕРАЦИИ
2011 ГОДА В ОБЛАСТИ КАЧЕСТВА

*Федеральному государственному бюджетному
образовательному учреждению*

высшего профессионального образования

*«Ставропольский государственный аграрный
университет»*

г. Ставрополь


ПРИСУЖДЕНА ПРЕМИЯ ПРАВИТЕЛЬСТВА
РОССИЙСКОЙ ФЕДЕРАЦИИ В ОБЛАСТИ КАЧЕСТВА
ЗА ДОСТИЖЕНИЕ ЗНАЧИТЕЛЬНЫХ РЕЗУЛЬТАТОВ В
ОБЛАСТИ КАЧЕСТВА ПРОДУКЦИИ И УСЛУГ, А ТАКЖЕ
ЗА ВНЕДРЕНИЕ ВЫСОКОЭФФЕКТИВНЫХ МЕТОДОВ
МЕНЕДЖМЕНТА КАЧЕСТВА.

Председатель Правительства Российской Федерации

Д. Медведев
Д. Медведев


Регистрационный номер 6/2011





EFQM Excellence Award

2008
Finalist

EFQM 

This certificate is presented by EFQM to

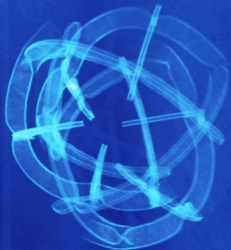
Stavropol State Agrarian University

in recognition of their successful achievement in
EFQM Excellence Award 2010 as Prize Winner in
Nurturing Creativity & Innovation and Leading
with Vision, Inspiration & Integrity



Pierre Cachet, CEO






EFQM Excellence Award

2010

Prize winner in
Leading with Vision, Inspiration & Integrity
and Nurturing Creativity & Innovation

EFQM 

EFQM Excellence Award
2010
Prize winner in
Leading with Vision, Inspiration & Integrity
and Nurturing Creativity & Innovation
EFQM 


EFQM Excellence Award 2013



Federal State Budgetary Educational Establishment of the Higher
Professional Education «STAVROPOL STATE AGRARIAN UNIVERSITY»

Prize Winner 2013

October 2013

issued by **EFQM** 

A handwritten signature in black ink, appearing to read "Marc Amblard", written over a white background.

Marc Amblard, CEO



EFQM Excellence Award 2013

Federal State Budgetary Educational Establishment
of the Higher Professional Education
' Stavropol State Agrarian University'

Prize Winner



ПІБЕДИТЕЛЬ КОНКУРСА

«СИСТЕМА КАЧЕСТВА ПОСЛУЖЬИ ВЛОСНИНКАМЪ СЪРЪВЪ
КАТЕГОРИИ УЧРЕЖДЕНИИ ПРОФЕССИОНАЛЬНЪХЪ ОБРАЗОВАНИИ
В НАПРАВЛЕНИИ «ПРИКЛАДНОЕ СУБЪЕКТНОСТЬ» ЗА 2010Г»

ФГБОУ ВПО «СТАВРОПОЛЬСКИЙ
ГОСУДАРСТВЕННЫЙ
АГРАРНЫЙ
УНИВЕРСИТЕТЪ»



ГРАМОТА

НАГРАЖДАЕТСЯ

Студент ФГБОУ ВПО «Ставропольский государственный аграрный университет»

Заведеев Руслан Геннадьевич

за активное участие в работе II этапа Всероссийского конкурса на лучшую научную работу среди студентов, аспирантов и молодых ученых высших учебных заведений Минсельхоза России по направлению «Землеустройство и кадастры»

Ректор КБГСХА
им. В. М. Кокоса, профессор



Б. Х. Жеруков

27 апреля 2012г.
г. Нальчик



ДИПЛОМ



НАГРАЖДАЕТСЯ

Матаринцева Анастасия Александровна

студентка ФГОУ ВПО "Ставропольского ГАУ"

за участие в III этапе
Всероссийского конкурса
на лучшую работу
среди студентов ВУЗов
Министерства сельского
хозяйства РФ
в номинации

"Землеустройство и кадастры"

И.о. ректора ВГАУ, профессор
19.05.2010.

В.И. Котарев





МИНИСТЕРСТВО СЕЛЬСКОГО ХОЗЯЙСТВА РОССИЙСКОЙ ФЕДЕРАЦИИ

КУБАНСКИЙ ГОСУДАРСТВЕННЫЙ АГРАРНЫЙ УНИВЕРСИТЕТ

ДИПЛОМ

победителя 2-го тура Всероссийского конкурса на лучшую научную работу среди студентов, аспирантов и молодых ученых высших учебных заведений Министерства сельского хозяйства РФ

НАГРАЖДАЕТСЯ

Татаринцева Анастасия

Ставропольский государственный аграрный университет

за 1-е место

по направлению «Землеустройство и кадастры»

Ректор, профессор



А.И. Трубилин

28 апреля 2009 год

г. Краснодар



ГРАМОТА

Оргкомитет II этапа Всероссийского конкурса на лучшую научную работу среди студентов, аспирантов и молодых ученых высших учебных заведений Минсельхоза России выражает благодарность

Татаринцевой Анастасии Александровне

за научное руководство при подготовке научно-исследовательской работы в номинации «Землеустройство и кадастры»

Ректор КБГСХА
им. В. М. Кокова, профессор



Б. Х. Жеруков

27 апреля 2012г.,
г. Нальчик



ДИПЛОМ

Лауреата

Всероссийского конкурса на лучшую научную работу
среди студентов высших учебных заведений
Министерства сельского хозяйства Российской Федерации
в номинации
«Природообустройство и водопользование»

Урбан Сергею Сергеевичу

студенту ФГОУ ВПО «Ставропольский ГАУ»

За активное участие в научно-исследовательской работе
по проблемам природообустройства и водопользования

Председатель конкурсной комиссии
доктор технических наук, профессор



П.А. Михеев

г. Новочеркасск, 6-е июля 2011 г.





ZERTIFIKAT

Akademie für Internationale Wirtschaft

Herr
Oleg Podkolzin

hat das Seminar zum Thema

**„Innovative Methoden der Bildungs- und
Wissenschaftsorganisation in Bildungseinrichtungen der
Bundesrepublik Deutschland“**

im März 2011

erfolgreich abgeschlossen



<Ref.02011-03-11>

Berlin, 19. März 2011

Prof. Dr. H.-J. Knaupe
Geschäftsführender Gesellschafter
Bildungszentrum am Müggelsee



ДИПЛОМ

НАГРАЖДАЕТСЯ

участник II этапа Всероссийского конкурса на лучшую научную работу среди студентов, аспирантов и молодых ученых высших учебных заведений Минсельхоза России по направлению

«Землеустройство и кадастры»

Горбачёв Сергей Юрьевич

за занятое III место

ФГБОУ ВПО «Кабардино-Балкарский государственный аграрный университет им. В.М. Кокова»

Ректор, профессор



М.М. Шахмурзов

25 апреля 2013г.
г. Нальчик



ФГОУ ВПО

СТАВРОПОЛЬСКИЙ ГОСУДАРСТВЕННЫЙ АГРАРНЫЙ УНИВЕРСИТЕТ

ДИПЛОМ III СТЕПЕНИ

**Награждается победитель конкурса
на соискание грантов
Ставропольского государственного
аграрного университета
в области науки и инновации
для молодых ученых**

**Ткаченко
Степан Сергеевич**

ассистент кафедры землеустройства и кадастра

соисполнитель гранта

Ректор, доктор сельскохозяйственных наук,
доктор экономических наук,
член-корреспондент РАСХН, профессор,
Заслуженный деятель науки РФ



В.И. ТРУХАНОВ

Ставрополь 2011 г.

Инновационные методы государственного мониторинга земель



Автор работы: студент агрономического факультета 2 курса 7 группы
Горбачёв С.Ю.

Научный руководитель: заведующий кафедрой землеустройства и кадастра, доктор сельскохозяйственных наук, доцент
Подколзин О.А.





ДИПЛОМ


НАГРАЖДАЕТСЯ

©ГБОУ ВПО СТАВРОПОЛЬСКИЙ ГОСУДАРСТВЕННЫЙ
АГРАРНЫЙ УНИВЕРСИТЕТ

ЗОЛОТОЙ МЕДАЛЬЮ

ЗА РАЗРАБОТКУ

*ПАСПОРТИЗАЦИЯ ПОЧВ КАК ТЕХНОЛОГИЯ СОХРАНЕНИЯ
ЗЕМЕЛЬНЫХ РЕСУРСОВ - НЕЗАМЕНИМОГО КОМПОНЕНТА
БИОСФЕРЫ*

Председатель Оргкомитета,
Академик РАСХН, профессор, д.т.н.  И.А. Рогов

7-9 ноября 2012 г. Москва, ЦВК «ЭКСПОЦЕНТР»