




SUMMARY REPORT

on public accreditation of the cluster of educational programmes in

«Ecology and Nature Management» (05.03.06, 05.04.06)

Delivered by the Federal State Autonomous Educational Institution of Higher Education «North-Caucasus Federal University»



2017

While preparing this presentation we used information from the Self Evaluation Report and the Report of the External Review Panel of the educational programme «Ecology and Nature Management» (05.03.06, 05.04.06) delivered by the Federal State Autonomous Educational Institution of Higher Education «North-Caucasus Federal 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	<i>Federal State Autonomous Educational Institution of Higher Education «North-Caucasus Federal University»</i>
Founders	<i>Ministry of Education and Science of the Russian Federation</i>
Year of foundation	<i>1971 — Stavropol Polytechnic Institute 1994 — Stavropol State Technical University 1999 — North-Caucasus State Technical University 2011 — Federal State Budgetary Educational Institution of Higher Vocational Education «North-Caucasus State Technical University» 2012 — Federal State Autonomous Educational Institution of Higher Vocational Education «North-Caucasus Federal University» 2016 — Federal State Autonomous Educational Institution of Higher Education «North-Caucasus Federal University»</i>
Location	<i>1, Pushkin Str., Stavropol, 355009</i>
Rector	<i>Alina Levitskaya, Candidate of Philological Sciences, Professor</i>
License	<i>Series 90Л01 №9291 reg. № 2242 dated 01.07.2016 permanent</i>
State accreditation	<i>Certificate of State Accreditation Series 90A01 № 2398, reg. №2276 dated 29.09.2016 valid till 21.03.2020</i>
Number of students	<i>17579 including: full-time 11197 on-site and off-site 81 part-time 6301</i>

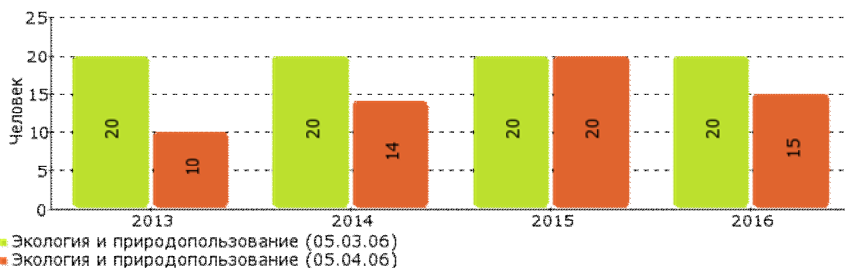
INFORMATION ON THE EDUCATIONAL PROGRAMMES UNDERGOING ACCREDITATION

Educational programmes	<i>«Ecology and Nature Management» (05.03.06), «Ecology and Nature Management» (05.04.06)</i>
Level of training / Standard period of training	<i>Bachelor's Degree Programme / 4 years Master's Degree Programme / 2 years</i>
Structural subdivision (head)	<i>Institute of Mathematics and Natural Sciences (Vitaly Belozyorov, Doctor of Geographic Sciences, Professor)</i>
Major departments (heads)	<i>Department of Ecology and Nature Management (Konstantin Kharin, Candidate of Geographic Sciences, Associate Professor)</i>
Date of the site visit	<i>25-27 April 2017</i>
Person responsible for public accreditation	<i>Irina Solovyova, Head of the Methodological Department</i>

SAMPLING RESULTS OF THE PROJECT «THE BEST EDUCATIONAL PROGRAMMES OF INNOVATIVE RUSSIA»

Indicators	2017
Cluster of the educational programmes «Ecology and Nature Management » (05.03.06, 05.04.06)	
Number of the given programmes in the RF	238
Number of higher educational institutions to offer the given programmes	167
Number of programmes – winners of the project (% from total amount of these programmes offered in the RF)	45 (18,9%)
Stavropol Region	
Number of the given programmes offered in the region	4
Number of programmes – winners of the project (% from total amount of these programmes offered in the region)	3 (75%)
Number of higher educational institutions and branches in the region	57
Total number of programmes offered in the region	386
Total number of programmes – winners of the project (% from total amount of these programmes offered in the region)	75 (19,4%)

REFERENCE DATA ON STUDENT ENROLLEMENT FOR EDUCATIONAL PROGRAMMES



ACHIEVEMENTS OF THE EDUCATIONAL PROGRAMMES

Quality of the delivered educational programmes

The documents regulating contents, organization and quality control of the educational process are developed and approved. These documents are available on the University web-site. Long-term perspective, regional specific character, the purposes and objectives of the educational programmes undergoing accreditation correspond to the purposes and objectives of the NCFU Development Programme for 2012-2021.

Quality assurance of the educational programmes is provided by the internal system of self-assessment, improvement of the assessment system of students' academic progress. Criteria of academic progress assessment are developed on the basis of learning of professional competences. The rating system of knowledge assessment is improved. Distance learning and support of individual students' work are in place. The teachers improve their qualifications.

All stakeholders and NCFU subdivisions participate in implementation of policy of quality assurance.

An electronic system of information about the organization, contents and requirements of the educational process, a feedback system with the students in the social network are created. Students have the possibility to make individual learning paths. A system of objective assessment of knowledge is developed. It is possible to file an appeal of learning outcomes assessment.

Providing up-to-date contents of education

A clearly defined and stable procedure of development, approval and correction of the educational programme with the account of development of science and practice and stakeholders' opinions is approved to provide up-to-date contents of education. Documents of the educational programme are renewed every year in regard to the contents of the working programmes of disciplines, programmes of educational internships and practical training with the account of stakeholders' opinions and market demands.

Training allows to achieve the goals of higher education defined by the Council of Europe.

All academic and methodological complexes of disciplines reflect a modern level of development of pedagogics and educational practice and correspond to the European Qualifications Network and «Dublin Descriptors». A variable part is formed with the account of regional characteristics of the Stavropol Region and North Caucasian Federal District.

Teaching staff

A highly qualified teaching staff having academic degrees and practical work experience works at the University. The majority of teachers have awards, gratitudes of Russian, federal and regional levels. The teaching staff actively develops and publishes educational materials of high quality. It is approved by victories in competitions of methodological support. The teachers regularly improve their qualifications. They do research, and the results of it are implemented in the educational process.

Independent assessment of knowledge

Independent assessment of knowledge is carried out on the basis of clearly defined criteria and objective procedures. Employers are actively involved in the educational process and independent assessment of learning outcomes. A mechanism of correction of learning outcomes on the basis of independent assessment of students' knowledge takes into account opinions of students, teachers and employers with the help of questionnaires, reviews on the results of practical training, and reports of chairmen of commission of the State Final Examination.

Educational resources

Material and technical resources of the Institute correspond to the requirements of the Federal State Education Standards of Higher Education and are annually renewed in accordance with the University development programme. The University auditory fund includes classrooms for lectures and practical sessions provided with demonstration equipment, computer classrooms, specialized classrooms united in the local network with an access to the Internet.

Library and information systems of the University are the basis of educational resources of the programmes. Automated library system «Foliant» provides a free access to electronic versions of course books, study guides and collection of research articles. The educational portal «Electronic Campus of NCFU» allows the students to use educational, research and supplementary materials at any time with the help of the Internet.

Research activity

Research activity of the Department «Ecology and Nature Management» is focused on priority area of development of science and technology in the Russian Federation – rational use of natural resources, activity in the frames of the scientific school «Landscape Ecology and Biodiversity», as well as on research areas of the Department - rational use of natural resources in the system of regional environmental safety, development of theoretical and applied bases of zoogeography and aerospace technologies of monitoring of natural processes.

The results of research activity are actively used in implementation of the educational programme. Students are involved in research activity.

Academic mobility of students

Purposes, objectives and common rules of academic mobility implementation correspond to Bologna Declaration. Availability of students' participation in the programmes of academic mobility is provided by promotion of international/national academic mobility in accordance with the Provision on Organization of Academic Mobility in NCFU. The University develops international cooperation with more than 40 foreign universities. Possibilities of the universities are studied in the context of cooperation to provide academic activity of students.

Employability of graduates

Graduates of the educational programmes are employed. There were no reclamations from employers.

«The Employment Centre and Students' Career Planning» works at the University. Areas of Centre's work: providing vacancies of temporary employment for students, graduates employability, help in CV's preparation, recommendations on job search, training sessions, organization of «Career Fairs», analysis of employability effectiveness and demand for students in the regional labour market.

International projects

The teaching staff actively participates in activity of international expert boards and professional associations, international conferences, seminars, symposiums, congresses organized in near and far abroad countries.

The Department «Ecology and Nature Management» together with Jordan University of Science and Technology implement the project «Rehabilitation of Territories in Recreation Areas of North Caucasus Polluted by Industrial Wastes».

EXTERNAL REVIEW PANEL



Christian Siewert (Germany)

Review Chair, foreign expert

Doctor of Agricultural Sciences, Professor, Dr. Habil of Soil Science, Faculty of Landscape Management, Dresden University of Applied Sciences, member of the Society of Ecologists, member of the German Society of Soil Scientists, member of the International Society of Soil Scientists, Chairman of the Commission on Accreditation of the Educational Programmes in Russian State Agrarian University - Moscow Timiryazev Agricultural Academy

A nominee of the Agency for Quality Assurance and Accreditation Austria (AQ Austria)



Olga Loretts (Russia)

Deputy Review Chair, Russian Expert

Doctor of Biological Sciences, Candidate of Agricultural Sciences, Professor, Vice-Rector for Academic Affairs, Ural State Agricultural University, member of the Guild of Experts in Higher Education

A nominee of the Guild of Experts in Higher Education



Snezhana Oliatca (Serbia)

Panel member, foreign expert

Doctor of Agricultural Sciences, Professor at the Department of Agroecology and Cultural Practice, Faculty of Agriculture, University of Belgrade, Head of the Master's Degree Programme «Environmental Protection in Agriculture»

A nominee of the Commission for Accreditation and Quality Assurance (CAQA)



Tatyana Amelina (Russia)

Panel member, representative of the professional community

Head of the Department of Organization and Functioning of Specially Protected Natural Areas, the Ministry of Natural Sciences and Environmental Protection of the Stavropol Region

A nominee of the Ministry of Natural Sciences and Environmental Protection of the Stavropol Region



Ruslan Tishchenko (Russia)

Panel member, representative of students

4th year student of Southern Federal University, member of the Rostov Regional Department of the Russian Non-Governmental Organization «RUSSIAN STUDENT UNION»

A nominee of the Russian Non-Governmental Organization «Russian Student Union»

INFORMATION ON THE LEADING TEACHERS OF THE EDUCATIONAL PROGRAMMES

Konstantin Kharin

Candidate of Geographic Sciences, Associate Professor, Head of the Department of Ecology and Nature Management

Inna Begday

Candidate of Technical Sciences, Associate Professor of the Department of Ecology and Nature Management

Elena Bondar'

Candidate of Biological Sciences, Associate Professor of the Department of Ecology and Nature Management

Arsen Berberyan

Candidate of Geographic Sciences, Associate Professor of the Department of Ecology and Nature Management

Mikhail Demytyev

Candidate of Biological Sciences, Doctor of Agricultural Sciences, Professor of the Department of Ecology and Nature Management

Andrey Likhovid

Vice-Rector for Academic Affairs and Strategic Development, Professor of the Department of Ecology and Nature Management, Institute of Mathematics and Natural Sciences, Doctor of Geographic Sciences, Candidate of Biological Sciences, Professor

Viktoriya Movsesova

Candidate of Geographic Sciences, Associate Professor, Deputy Director for Education, Institute of Mathematics and Natural Sciences, Associate Professor of the Department of Ecology and Nature Management

Evgeny Mishvelov

Doctor of Biological Sciences, Professor of the Department of Ecology and Nature Management

Inna Tkachenko

Candidate of Biological Sciences, Associate Professor of the Department of Ecology and Nature Management

Svetlana Trautvain

Candidate of Geographic Sciences, Associate Professor of the Department of Ecology and Nature Management

Konstantin Shkarlet

Candidate of Geographic Sciences, Associate Professor of the Department of Ecology and Nature Management

COMPLIANCE OF THE EXTERNAL REVIEW OUTCOMES WITH THE STANDARDS

STANDARD 1. Policy (goals, development strategy) and quality assurance procedures of the educational programme

Compliance with the standard: **substantial compliance**

Good practice:

Structural subdivisions, teachers, invited staff and administrative workers participating in implementation of the educational process cooperate in accordance with the University quality policy.

The University subdivisions participate in processes and procedures of internal system of quality assurance that provides a systematic approach to management of education quality.

Areas for improvement:

It is advisable to analyze experience of leading Russian and foreign universities on the cluster of the educational programmes «Ecology and Nature Management» (05.03.06, 05.04.06) in formation of the system of quality assurance of the educational programmes.

It is necessary to extend and clarify methods of achievement and correction of goals.

It is recommended to take into account international tendencies of education development in formation of the development strategy of the educational programmes.

It is advisable to involve employers and non-governmental organizations in development of strategic goals, policy of development of the educational programmes more actively.

STANDARD 2. Design and approval of programmes

Compliance with the standard: **substantial compliance**

Good practice:

Modern tendencies of science and practice, professional and region requirements, and requirements of the modern labour market are taken into account in the mission and purposes of the educational programmes.

NCFU actively develops and implements own educational standards.

Areas for improvement:

It is necessary to update the procedure of consideration of students' opinions about the possibilities of development of the educational programmes.

It is recommended to consider implementation of elective courses that allow to introduce advanced specialty option when developing the educational standards.

STANDARD 3. Student-centered learning and assessment

Compliance with the standard: **substantial compliance**

Good practice:

Students are informed about the organization of the educational process, procedures and assessment criteria.

Interaction between students and the teaching staff is based on the principles of confidence and cooperation.

Developed student government is marked: the University actively stimulates students to participation in the educational process and manifestation of creative initiatives.

Requirements of different groups of students (students of the third age, students with limited health capacities) are taken into account.

Students take part in the procedures of independent assessment of learning outcomes by regular participation in the Federal Internet Exam of Professional Education and the Federal Internet Exam for Bachelors.

Areas for improvement:

It is recommended to raise the level of students' knowledge of foreign languages.

It is advisable to implement the possibility of making the individual learning path.

STANDARD 4. Student admission, support of academic achievements and graduation

Compliance with the standard: **substantial compliance**

Good practice:

An effective systematic work on career guidance for applicants is carried out.

A systematic work on support of students' academic progress is carried out regularly at the University.

Rules and procedures of applicants' enrolment and transfer from other educational institutions, admission of training periods and qualifications gained in other universities correspond to the requirements of the national legislation about equality of educational possibilities.

The University provides the opportunity of getting the European Diploma Supplement.

Areas for improvement:

It is recommended to promote students for participation in academic mobility of students, including the international one.

It is advisable to use remote technologies in carrying out of work on career guidance.

It is necessary to examine possibilities for conclusion of the agreements with foreign universities about joint implementation of the educational programmes undergoing accreditation.

STANDARD 5. Teaching staff

Compliance with the standard: **substantial compliance**

Good practice:

Teachers have academic degrees, different awards and practical work experience.

A high level of qualification and scientific and publication activity of the teaching staff is marked.

The University provides the possibilities for professional development of young teachers.

There are programmes of financial and moral stimulation of the teaching staff for professional development, getting academic degrees, active participation in conferences, forums, and seminars of different levels.

Areas for improvement:

It is recommended to stimulate teachers for participation in the programmes of international academic mobility and international research projects.

It is advisable to involve teachers from other educational institutions, including the foreign ones, in the educational process.

It is necessary to organize master classes on execution of international publications and participation in international funds.

It is recommended to promote use of innovative methods of training in the educational process.

STANDARD 6. Learning resources and student support

Compliance with the standard: **substantial compliance**

Good practice:

A high level of material and technical resources is marked.

Possibilities of the scientific library allow the scientific school and the educational programmes to correspond to the international requirements.

Work of services for support of the educational process promotes effective training, professional and cultural development of students.

Infrastructure provides possibilities of getting education for students of different age and with different opportunities.

Areas for improvement:

It is recommended to inform students about possibilities of academic mobility.

It is advisable to update the system of monitoring and methods of analysis of a feedback system with students.

It is necessary to provide students with an access to foreign course books on Ecology.

It is recommended to take into account trends of the world practice in training to raise academic mobility of students.

It is advisable to raise the level of students' knowledge of foreign languages.

STANDARD 7. Collection, analysis and use of information for managing the educational institution

Compliance with the standard: **full compliance**

Good practice:

A united multiplex information network allows to quickly respond to the changes of the legislation in education.

Information technologies are actively used in management of the educational process.

Students work independently in the electronic educational portal of the University.

Students and workers of the University actively participate in collection of information about the University and the educational programmes undergoing accreditation.

A system of information support of executive decision-making on the issues of education quality improvement is used.

Areas for improvement:

It is recommended to create officially registered public rating platforms for assessment of activity of the teaching staff and students from the point of view of academic and public success.

It is advisable to increase activity of remote participation of employers in management of the educational programmes implementation.

It is necessary to provide availability of analytical and statistical data received as a result of information collection.

STANDARD 8. Public information

Compliance with the standard: **substantial compliance**

Good practice:

All information about the educational programmes is available for the stakeholders.

The University actively cooperates with the regional professional community.

The official web-site of the University corresponds to the requirements.

It is easy to find information on the web-site, including the version in the English language.

A complex approach to presentation of the information about the University with the use of printed and electronic mass media is provided.

Information about employability and graduates' demand is represented on the official web-site.

Areas for improvement:

It is recommended to promote cooperation with foreign professional associations and organizations.

It is advisable to increase public information about achievements of the educational programmes with the help of mass media.

STANDARD 9. On-going monitoring and periodic assessment of the educational programmes

Compliance with the standard: **substantial compliance**

Good practice:

There are regulated procedures of monitoring and periodical assessment of the educational programmes undergoing accreditation.

A periodical review of the educational programmes is carried out.

A high level of students' satisfaction with the educational programmes is marked.

The University cooperates with subject-specific ministries, in particular, for the purpose of periodical assessment of the educational programmes.

Areas for improvement:

It is recommended to provide availability of results of monitoring and review of the educational programmes for the students.

It is necessary to take into account international tendencies of monitoring when assessing the educational programmes.

STANDARD 10. Cyclical external quality assurance of the educational programmes

Compliance with the standard: **full compliance**

Good practice:

External review of the educational programmes quality is carried out on a regular basis with involvement of representatives of the professional community.

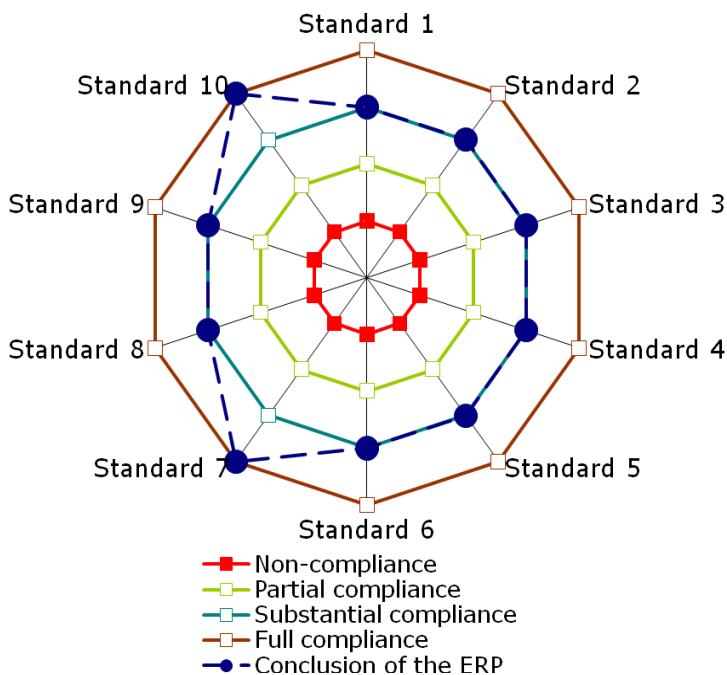
There is a complex plan of correction actions on modernization of the educational process, promotion of students' independent work, academic and research activity of the teaching staff.

A system of implementation of the educational programmes with the account of remarks and recommendations of previous external reviews is improved in the University.

Areas for improvement:

It is necessary to provide availability of information according to the Programme of Correction Actions based on the results of external review of the educational programmes on the official web-site of the University.

DISTRIBUTION DIGRAM OF THE EXTERNAL REVIEW OUTCOMES



- Standard 1. Policy (goals, development strategy) and quality assurance procedures of the educational programmes
- Standard 2. Design and approval of programmes
- Standard 3. Student-centered learning, teaching and assessment
- Standard 4. Student admission, support of academic achievements and graduation
- Standard 5. Teaching staff
- Standard 6. Learning resources and student support
- Standard 7. Collection, analysis and use of information for managing the educational institution
- Standard 8. Public information
- Standard 9. On-going monitoring and periodic assessment of the educational programmes
- Standard 10. Cyclical external quality assurance of the educational programmes

CONCLUSION OF THE EXTERNAL REVIEW PANEL

Based on the self-evaluation report analysis, documents and data submitted the External Review Panel has come to the conclusion that the educational programme «Ecology and Nature Management » (05.03.06, 05.04.06) **substantially comply** with the standards and criteria of public accreditation of the National Centre for Public Accreditation.

The Panel recommends that the National Accreditation Board accredit the educational programmes «Ecology and Nature Management» (05.03.06, 05.04.06) delivered by the Federal State Autonomous Educational Institution of Higher Education «North-Caucasus Federal University» for the period of **6 years**.

SCHEDULE OF THE SITE VISIT OF THE EXTERNAL REVIEW PANEL

Time	Activity	Participants	Venue
April 25, Tuesday			
8.45	Arrival at the University		Academic Building № 2, 1, Pushkin Str.
09.00 – 11.00	The first meeting of the external review panel		Room 121, Academic Building № 2, 1, Pushkin Str.
11.00 – 12.00	Meeting of the ERP with the University administration and people responsible for accreditation	Rector, Vice-Rectors, people responsible for accreditation, ERP	Conference hall of the Academic Council, 1, Academic Building № 2, Pushkin Str.
12.00 – 13.00	Tour of the University (visiting classrooms, library, etc.)	ERP	Academic Building № 2, 1, Pushkin Str., Room 334 «Ecoanalytical Laboratory», Room 103 «Resource Center for Aerospace and Geoinformation Technologies», Room 234 «Geochemistry of Landscape and Soil Science»; Scientific Library, 1, Pushkin Str.
13.00 – 14.00	Lunch		1, Marshal Zhukov Str.
14.00 – 15.00	Meeting with Institute Directors	Institute Director, Deputy Directors, ERP	Room 101, Academic Building № 2, 1, Pushkin Str.
15.00 – 15.30	Work with documents	ERP	Room 121, Academic Building № 2, 1, Pushkin Str.
15.30 – 16.30	Meeting with Heads of Departments	Heads of Departments, ERP	Room 101, Academic Building № 2, 1, Pushkin Str.
16.30 – 17.30	Internal meeting of the ERP	ERP	Room 121, Academic Building № 2, 1, Pushkin Str.
17.30 – 18.30	Meeting with graduates	Graduates, ERP	Room 101, Academic Building № 2, 1, Pushkin Str.
18.30 – 19.00	Transfer to the hotel		1, Marshal Zhukov Str.

Time	Activity	Participants	Venue
April 26, Wednesday			
8.45	Arrival at the University		Academic Building № 2, 1, Pushkin Str.
09.00 – 10.30	Work with documents/ Visiting classes, laboratories	ERP	Room 121, Academic Building № 2, 1, Pushkin Str.
10.30 – 11.30	Meeting with teachers	Teachers, ERP	Room 101, Academic Building № 2, 1, Pushkin Str.
11.30 – 12.00	Internal meeting of the ERP	ERP	Room 121, Academic Building № 2, 1, Pushkin Str.
12.00 – 13.00	Meeting with students	Students, ERP	Room 101, Academic Building № 2, 1, Pushkin Str.
13.00 – 14.00	Lunch		University Cafe
14.00 – 15.00	Meeting with postgraduate and doctoral students	Postgraduate and doctoral students, ERP	Room 101, Academic Building № 2, 1, Pushkin Str.
15.00 – 16.30	Work with documents / Visiting classes (at the wish of the ERP)	ERP	Room 121, Academic Building № 2, 1, Pushkin Str.
16.30 – 17.30	Meeting with representatives of professional community	Employers, ERP	Room 121, Academic Building № 2, 1, Pushkin Str.
17.30 – 18.30	Internal meeting of the ERP	ERP	Room 121, Academic Building № 2, 1, Pushkin Str.
18.30 – 19.00	Transfer to the hotel		1, Marshal Zhukov Str.
April 27, Thursday			
7.45	Arrival at the University		Academic Building № 2, 1, Pushkin Str.
8.00 – 12.00	Internal meeting of the ERP: discussion of preliminary results of the site visit, preparation of the oral report of the panel	ERP	Room 121, Academic Building № 2, 1, Pushkin Str.
12.00 – 13.00	Closing meeting of the External Review Panel with the representatives of the University	ERP, University administration, Heads of the Graduate Departments, teachers, students	Conference hall, Room 200, Academic Building № 20, 1, Pushkin Str.
13.00 – 14.00	Lunch		University Cafe
	Departure, tour of Stavropol		