



Национальный исследовательский
Мордовский государственный университет
имени Н. П. Огарёва




National Centre for
Public Accreditation

SUMMARY REPORT

on international public accreditation of the cluster of
educational programmes in

- «Construction» (08.03.01, 08.04.01),
- «Architecture» (07.03.01),
- «Design of Architectural Environment» (07.03.03),
- «Construction of Unique Buildings and Facilities»
(08.05.01)

delivered by National Research Ogarev Mordovia State
University



2020

While preparing this Summary Report we used information from the Self-Evaluation Report and the Report on the External Review of the cluster of educational programmes in «Construction» (08.03.01, 08.04.01), «Architecture» (07.03.01), «Design of Architectural Environment» (07.03.03), «Construction of Unique Buildings and Facilities» (08.05.01) delivered by National Research Ogarev Mordovia State 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 Budgetary Educational Institution of Higher Education «National Research Ogarev Mordovia State University»</i>
Founders	<i>Ministry of Science and Higher Education of the Russian Federation</i>
Year of foundation	<i>1931 — Mordovia State Pedagogical Institute 1957 — Mordovia State University 1970 — Ogarev Mordovia State University 2010 — National Research Ogarev Mordovia State University 2016 — Federal State Budgetary Educational Institution of Higher Education «National Research Ogarev Mordovia State University»</i>
Address	<i>68, Bolshevistskaia Str., Saransk, Republic of Mordovia, 430005</i>
Rector	<i>Sergei Vdovin, Candidate of Economics, Associate Professor</i>
License	<i>Series 90Л01 №9255 reg. № 2218 of 24.06.2016 permanent</i>
State accreditation	<i>Certificate of State Accreditation Series 90A01 № 3285, reg. №3125 of 22.05.2019 valid till 22.05.2025</i>
Number of students	<i>17257 of whom: 12689 are full-time students 373 are part-time students 4195 study in absentia</i>

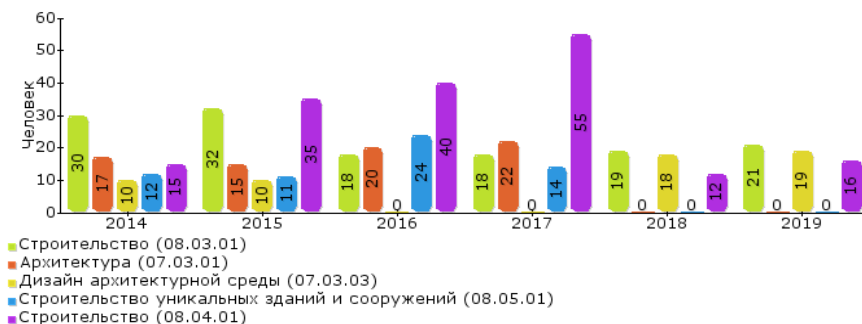
INFORMATION ON THE STUDY PROGRAMMES UNDERGOING ACCREDITATION

Educational programmes	<i>«Construction» (08.03.01), «Architecture» (07.03.01), «Design of Architectural Environment» (07.03.03), «Construction of Unique Buildings and Facilities» (08.05.01), «Construction» (08.04.01)</i>
Level of training / Standard period of training	<i>Bachelor's Degree Programme / 4 years Bachelor's Degree Programme / 5 years Specialist's Degree Programme / 6 years Master's Degree Programme / 2 years</i>
Structural subdivision (Head)	<i>Faculty of Architecture and Construction Engineering (Vladimir Erofeev, Doctor of Engineering, Professor)</i>
Graduate departments (and their respective heads)	<i>Department of Buildings, Facilities and Motor Roads (Vasilii Antoshkin, Doctor of Engineering, Associate Professor) Department of Architecture and Design (Aleksei Boriskin, Candidate of Engineering, Associate Professor) Department of Engineer Constructions (Vladimir Seliaev, Doctor of Engineering, Professor) Department of Construction Materials and Technologies (Vladimir Erofeev, Doctor of Engineering, Professor) Department of Applied Mechanics (Vasilii Cherkasov, Doctor of Engineering, Professor)</i>
Dates of Review	<i>December 17-19, 2019</i>
Person responsible for accreditation from the HEI	<i>Olga Antipova, engineer of the Department of Quality Management Vladimir Erofeev, Doctor of Engineering, Professor, Dean of the Faculty of Architecture and Construction Engineering</i>

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

Indicators	2020
Cluster of educational programmes in «Construction» (08.03.01, 08.04.01), «Architecture» (07.03.01), «Design of Architectural Environment» (07.03.03), «Construction of Unique Buildings and Facilities» (08.05.01)	
Number of the given programmes in the RF	696
Number of higher educational institutions to offer the given programmes	257
Number of programmes – winners of the project (% from total number of these programmes offered in the RF)	140 (20%)
Republic of Mordovia	
Number of the given programmes offered in the region	7
Number of programmes – winners of the project (% from total number of these programmes offered in the region)	5 (74,4%)
Number of higher educational institutions and branches in the region	5
Total number of programmes offered in the region	229
Total number of programmes – winners of the project (% from total number of these programmes offered in the region)	38 (16,6%)

REFERENCE DATA ON STUDENT ENROLLMENT FOR PROGRAMME



ACHIEVEMENTS OF THE STUDY PROGRAMMES

Quality of implementing the study programmes

In January 2019 the experts of the Certification Association «Russian Register – Baltic Inspection» conducted the external audit during recertification of the quality management system at the University for compliance with the requirements of a new international standard ISO 9001:2015 and GOST R ISO 9001-2015.

In 2019 the University successfully passed the procedure of state accreditation and confirmed the status of a multidisciplinary classical university.

Provision of up-to-date education

The up-to-date content of education is ensured by regular review of the educational programmes delivered at the Faculty of Architecture and Construction Engineering, use of the research results of teachers in the educational process, and introduction of new Master programmes.

The Faculty is a member of the Association of Russian Universities of Construction, the Educational and Methodological Association in Engineering and Construction Technology.

Teaching staff

High quality of students' training is ensured, first of all, by the teaching staff and by their high professional skills.

The teaching staff have basic education corresponding to the discipline they teach and do research having effective and productive results. The teachers regularly improve their qualification in leading national and foreign HEIs.

There are 75 regular teachers; 7 of them are Professors, Doctors of Sciences; 56 teachers are Associate Professors, Candidates of Sciences. 63 teachers (84%) have an academic degree.

Independent assessment of student learning outcomes

Since 2013 the University regularly participates in the project «Federal Internet Exam in Higher Education».

Educational resources

The classrooms are equipped in compliance with the modern requirements and allow for conducting all kinds of training and practical, laboratory and research work.

The Faculty is involved in implementation of the University Development Programme for 2010–2019. As a result of this programme, 17 laboratories of the Faculty were opened or improved.

Research activity

Overall modernization of material and technical resources improved research activities at the Faculty.

In 2010–2019 the average amount of conducted research was about 30 million rubles.

The publication activities of the teaching staff have significantly improved. In comparison with the previous five years, the number of articles published in the journals of Web of Science and Scopus doubled; the number is 65 articles. There are 204 articles published in the journals of the Higher Attestation Commission and 796 articles published in the journals of the Russian Science Citation Index.

Academic mobility of students

The students are involved in research activities. They participate in international and national conferences.

Employability of graduates

High level of graduates training allows them to quickly adjust to different spheres of production, research and pedagogical activities. The graduates successfully work at enterprises of construction industry, research and expert organizations.

In 2018 the graduates' employability rate was 81%, and in 2019 it was 82%.

International projects

The Faculty conducts joint research activities with researchers from foreign universities of Germany, China, Italy, Uzbekistan, Karakalpak Republic, Tajikistan, Belarus, Kazakhstan, Georgia, and Armenia.

EXTERNAL REVIEW PANEL



Alenka Temeljotov Salaj (Trondheim, Norway)

Review Chair, foreign expert

PhD, Professor, Department of Civil and Environmental Engineering, Norwegian University of Science and Technology, Professor at the Department of Real Estate Management at Nova University (Slovenia)

A nominee of Slovenian Quality Assurance Agency for Higher Education (SQAA)



Fedor Korshakov (Moscow, Russia)

Deputy Review Chair, Russian expert

Candidate of Architecture, Professor, Head of the Academic Department, Moscow Institute of Architecture (State Academy)

A nominee of the Guild of Experts in Higher Education



Sergei Rekunov (Volgograd, Russia)

Panel member, Russian expert

Candidate of Engineering Sciences, Associate Professor, Department of Structural Mechanics, Volgograd State Technical University

A nominee of the Guild of Experts in Higher Education



Vladimir Filchenkov (Saransk, Russia)

Panel member, representative of professional community

Head of the Department of Architecture and Urban Planning, Ministry of Construction, Transport and Road Industry of the Republic of Mordovia

A nominee of the Ministry of Construction, Transport and Road Industry of the Republic of Mordovia



Mikhail Semikov (Saransk, Russia)

Panel member, representative of students

4th year student, Evseviev Mordovia State Pedagogical Institute

A nominee of Evseviev Mordovia State Pedagogical Institute

INFORMATION ON THE LEADING TEACHERS OF THE EDUCATIONAL PROGRAMMES

Vladimir Erofeev

Doctor of Engineering, Professor, Dean of the Faculty of Architecture and Construction Engineering, Head of the Department of Construction Materials and Technologies, founder and head of the research and pedagogical school in construction composites, academician of the Russian Academy of Architecture and Construction Sciences

Vladimir Seliaev

Doctor of Engineering, Professor, Head of the Department of Engineer Constructions, academician of the Russian Academy of Architecture and Construction Sciences, member of the Public Council under the Ministry of Construction and Architecture of the Republic of Mordovia

Vasilii Cherkasov

Doctor of Engineering, Professor, Head of the Department of Applied Mechanics, corresponding member of the Russian Academy of Architecture and Construction Sciences

Tatiana Nizina

Doctor of Engineering, Professor, Department of Engineer Constructions

Vasilii Antoshkin

Doctor of Engineering, Associate Professor, Head of the Department of Buildings, Facilities and Motor Roads

Aleksei Astashov

Candidate of Engineering, Associate Professor, Head of the Department of Engineering and Computer Graphics

COMPLIANCE OF THE EXTERNAL REVIEW OUTCOMES WITH THE STANDARDS

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

Compliance with the standard: **full compliance**

Good practice:

The Department of Education Quality Management works at Mordovia State University.

The transparent monitoring system of the outcomes of the University subdivisions' activities (staff, education, research, international activities, financial and economic activities) is in place.

The system of regulatory activities of the main procedures at the University is available for all stakeholders, including the English version.

Areas for improvement:

All stakeholders should be informed about the goals and the strategy of the Faculty development.

In regard to the educational programmes "Architecture", the display of courseworks should be held as part of the internal quality assurance system; the works should undergo internal and external reviews.

STANDARD 2. Design and approval of programmes

Compliance with the standard: **full compliance**

Good practice:

The goals and objectives of the educational programmes are clearly defined and comply with the mission of the educational institution and the Programme for improvement of the University competitiveness for 2015-2020, as well as with the long-term programmes of the regional development.

The goals and learning outcomes of the educational programmes are available in the electronic informational educational environment.

Different stakeholders are involved in the development and approval of the educational programmes.

The educational programmes are provided with a wide range of regional facilities for work placement. The University signed 42 agreements on work placement at the Factory ZhBK-1, LLC Mordovspecstroï, LLC DSK-Stroi, LLC DSK-Proekt, Institute of Design

«Mordovstroiproekt», Ministry of Construction, Transport and Road Industry of the Republic of Mordovia.

The University has official mechanisms on approval, periodical evaluation and monitoring of the educational programmes and awarded qualifications.

Areas for improvement:

The regional specific features should be taken into account when developing and updating the educational programmes under review.

STANDARD 3. Student-centred learning and assessment

Compliance with the standard: **full compliance**

Good practice:

The information on the evaluation procedure and students' academic progress is available in the electronic informational educational environment.

The students annually participate in the Federal Internet Exam in Higher Education as a procedure of independent evaluation of learning outcomes.

Student opinions are taken into account when choosing facilities for work placement, topics of courseworks and projects.

The curricula include adaptive disciplines for students with disabilities: for Bachelors - Technologies of Social Integration, Adaptive Informational and Communication Technologies, etc.; for Masters – Psychology of Interpersonal Relations, Social Integration and Foundations of Social and Legal Knowledge, etc.

Areas for improvement:

The students should be informed about the possibility of making an individual learning path.

Independent external review of courseworks should be regularly conducted.

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

Compliance with the standard: **full compliance**

Good practice:

Career-guidance is carried out regularly: Open Doors Days, visits of teachers to schools in neighbouring regions; Open Olympiad in drawing for school students, research and educational forum «Shag v Buduschee», etc.

Regular work on support of student academic mobility is carried out.

There are 49 foreign students at the Faculty from 16 countries.

The international research conference «Current Issues of Architecture and Construction» is held at the Faculty.

Areas for improvement:

A roadmap on improvement of student academic mobility, including foreign countries, should be developed.

STANDARD 5. Teaching staff

Compliance with the standard: **full compliance**

Good practice:

The teaching staff is highly-qualified. The academic degree holders rate is 84%. The students and teachers of the educational programme "Construction" actively do research.

Publication activities of the teachers are of high level: 65 articles in the journals of Web of Science and Scopus, 204 articles in the journals of the Higher Attestation Commission, 796 articles in the journals of the Russian Science Citation Index.

The teachers are members of the Thesis Boards for Candidate's and Doctor's degrees (Moscow, Kazan, Penza, Volgograd). Some of them are academicians of the Russian Academy of Architecture and Construction Sciences.

The Faculty cooperates with leading Russian and foreign research centres. The teachers actively participate in joint international projects with the research groups from foreign universities of Germany, China, Italy, Belarus, Kazakhstan, Georgia, Armenia, Uzbekistan, etc.

The Faculty conducts research on the development and production of composite construction materials, products and structures; durability and operational reliability of construction materials, buildings and facilities, etc.

Areas for improvement:

The interactive methods and multimedia equipment should be actively used in the educational process; new modeling technologies (BIM) should be used in the integrated design of the educational programmes.

Teachers from other educational institutions, including the foreign ones, should be involved in the educational process.

Language proficiency of the teachers and students should be improved.

STANDARD 6. Learning resources and student support

Compliance with the standard: **full compliance**

Good practice:

The students are provided with the developed infrastructure (dormitories, sports facilities, cultural facilities, etc.).

There are 17 laboratories at the Faculty. The laboratory of environmental testing was established at the Faculty together with the Russian Research Institute of Aviation Materials. Joint research projects and student internships are conducted on its basis.

The University is highly provided with informational library resources, including foreign databases.

The Bakhtin research library is a member of the National Consortium of Russian Libraries, Association of Regional Library Consortiums. It actively participates in the corporate projects: Interregional Analytic Description of Articles, Interlibrary Loan, and Electronic Document Delivery.

The students of the educational programme "Architecture" participate in the programmes of the Worldwide Architecture Students Association.

The feedback from students on evaluation of the conditions and the educational process is collected in the informational and educational environment.

Areas for improvement:

The students should be better informed about the academic mobility programmes; the University administration should develop the mechanisms on support of the academic mobility programmes.

A roadmap on creating a comfortable environment at the Faculty for people with reduced mobility should be developed.

STANDARD 7. Collection, analysis and use of information for managing the study programme

Compliance with the standard: **full compliance**

Good practice:

The educational institution has a developed informational network that includes the electronic informational and educational environment, corporate mail, e-learning system Moodle, system of collection and analysis of the information for the management of the educational programmes at the Faculty.

The University has a unified integrated management system: unified system of electronic document flow «Delo», system «1C: University». Introduction of modern information technologies in the management of

the educational programmes is regulated by the «Programme on informatization of the University for 2015–2020».

The Centre for Support of Graduates Employability works at the University.

Areas for improvement:

The students and staff should be actively involved in the collection and analysis of the information for the management of the educational programmes at the Faculty.

STANDARD 8. Public information

Compliance with the standard: **full compliance**

Good practice:

User-friendly interface and completeness of information on the official website for different users.

Open online courses are available on the website.

The teachers are members of the Russian Association of Science Support and international professional communities.

The students of the educational programme «Architecture» are involved in the work of the Worldwide Architecture Students Association (WASA).

The Faculty cooperates with the Educational and Methodological Association of Russian higher education institutions in the field 08.00.00 Technologies of Construction. It is a member of the Association of Russian Universities of Construction.

Areas for improvement:

The students should be informed about remarkable graduates and teachers of the Faculty. The information should be published on the websites of the University and Faculty to promote the educational programmes in the country and abroad.

The English version of the website should contain more information.

STANDARD 9. On-going monitoring and periodic review of programmes

Compliance with the standard: **full compliance**

Good practice:

The effective system of monitoring and periodical review of the educational programmes is in place.

The Faculty has a well-adjusted system of cooperation with regional employers.

STANDARD 10. Cyclical external quality assurance of study programmes

Compliance with the standard: **full compliance**

Good practice:

According to the ranking QS Emerging in Europe and Central Asia 2020, the University ranks 207th among 350 universities of Europe and Central Asia.

Regular participation in the procedures of external quality assurance (state accreditation, performance monitoring, external audit of the quality management system, etc.) at the level of the University, Faculty, and educational programmes.

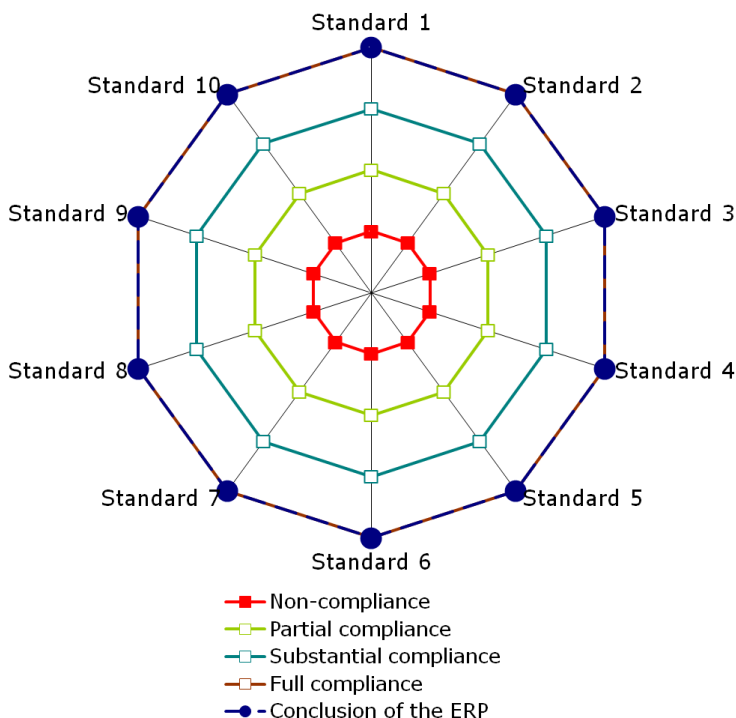
The educational programme 08.05.01 Construction of Unique Buildings and Facilities was included in the list of the best programmes at the competition «The Best Educational Programmes of Innovative Russia».

Graduation works annually participate in Russian and international review competitions.

Areas for improvement:

Cooperation with employers should be maintained; they should be involved in the procedures of external review of the educational programmes.

DISTRIBUTION DIGRAM OF THE EXTERNAL REVIEW OUTCOMES



- Standard 1. Policy (goals, development strategy) and quality assurance procedures of a study programme
- Standard 2. Design and approval of programmes
- Standard 3. Student-centered learning 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 study programme
- Standard 8. Public information
- Standard 9. On-going monitoring and periodic review of programmes
- Standard 10. Cyclical external quality assurance of study 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 cluster of educational programmes in «Construction» (08.03.01, 08.04.01), «Architecture» (07.03.01), «Design of Architectural Environment» (07.03.03), «Construction of Unique Buildings and Facilities» (08.05.01) **fully** complies with the standards and criteria of public accreditation of the National Centre for Public Accreditation.

The External Review Panel recommends that the National Accreditation Board accredit the cluster of educational programmes in «Construction» (08.03.01, 08.04.01), «Architecture» (07.03.01), «Design of Architectural Environment» (07.03.03), «Construction of Unique Buildings and Facilities» (08.05.01) delivered by National Research Ogarev Mordovia State University for the period of **six years**.

SCHEDULE OF THE SITE VISIT OF THE EXTERNAL REVIEW PANEL

Time	Activity	Participants	Venue
December 17, Tuesday			
8.00	Transfer from the hotel "Saransk" to the University, 68, Bolshevistskaia Str.		
8.30 — 10.00	First meeting of the External Review Panel	ERP, NCPA coordinator, interpreter	Building 1, 14 th floor, Room 1404, 68, Bolshevistskaia Str.
10.00 — 11.00	Meeting of the ERP with the University administration and people responsible for accreditation	Rector, Vice-Rectors, people responsible for accreditation, ERP	Building 1, 13 th floor, Conference Hall, Room 1302, 68, Bolshevistskaia Str.
11.00 — 12.00	Tour of the University (visiting classrooms, library, etc.)	ERP	Buildings 1,2, 68, Bolshevistskaia Str.
12.00 — 13.30	Lunch		Dining Room, 68B, Bolshevistskaia Str.
13.30 — 14.00	Transfer to Building 4		Building 4, 24, Sovetskaia Str.
14.30 — 15.00	Internal meeting of the Panel	ERP, NCPA coordinator	Building 4, Room 107, 24, Sovetskaia Str.
15.00 — 16.00	Meeting with Dean, Deputy Deans, Manager for Quality	Dean, Deputy Deans, Manager for Quality, ERP	Building 4, Room 218, 24, Sovetskaia Str.
16.00 — 16.30	Work with documents	ERP, NCPA coordinator	Building 4, Room 107, 24, Sovetskaia Str.
16.30 — 17.30	Meeting with Heads of Departments	Heads of Departments, ERP	Building 4, Room 218, 24, Sovetskaia Str.
17.30 — 18.00	Internal meeting of the Panel	ERP	Building 4, Room 107, 24, Sovetskaia Str.
18.00 — 19.00	Meeting with graduates	Graduates, ERP	Building 4, Room 218, 24, Sovetskaia Str.
19.00 — 19.15	Internal meeting of the Panel	ERP	Building 4, Room 107, 24, Sovetskaia Str.

Time	Activity	Participants	Venue
December 18, Wednesday			
9.30	Transfer from the hotel to Building 4		Building 4, 24, Sovetskaia Str.
10.00 – 11.00	Meeting with teachers	Teachers, ERP	Building 4, Room 218, 24, Sovetskaia Str.
11.00 – 11.30	Internal meeting of the Panel	ERP	Building 4, Room 107, 24, Sovetskaia Str.
11.30 – 12.30	Attending classes (optional)	ERP	Building 4, 24, Sovetskaia Str.; Building 5, 22, Volodarskogo Str.
12.30 – 13.30	Lunch		Dining Room, 68B, Bolshevikskaia Str.
13.30 – 14.30	Meeting with students	Students, ERP	Building 4, Room 218, 24, Sovetskaia Str.
14.30 – 18.00	Internal meeting of the Panel, work with documents	ERP	Building 4, Room 107, 24, Sovetskaia Str.
18.00 – 19.00	Meeting with representatives of professional community	Employers, ERP	Building 4, Room 218, 24, Sovetskaia Str.
19.00 – 19.15	Internal meeting of the Panel	ERP	Building 4, Room 107, 24, Sovetskaia Str.
December 19, Thursday			
8.45	Transfer from the hotel "Saransk" to the University, 68, Bolshevikskaia Str.		
09.00 – 12.00	Internal meeting of the Panel: discussion of preliminary results of the site visit, preparation of the oral report of the panel	ERP	Building 1, 14 th floor, Room 1404, 68, Bolshevikskaia Str.
12.00 – 13.00	Closing meeting of the External Review Panel with the representatives of the University	ERP, University administration, Heads of the Departments, teachers, students	Building 1, 13 th floor, Conference Hall, Room 1302, 68, Bolshevikskaia Str.
13.00 – 14.00	Lunch		Dining Room, 68B, Bolshevikskaia Str.
	Departure		