



# **SUMMARY REPORT**

of public accreditation of the cluster of educational programmes in the field of study

«Hydrometeorology» (05.03.04, 05.04.04),

delivered by the National Research Tomsk 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 the field of study: "Hydrometeorology" (05.03.04, 05.04.04), delivered by the National Research Tomsk State University.

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

© National Centre for Public Accreditation, 2020

## CONTENTS

General information on educational institution	4
Information on the educational programmes undergoing accreditation	5
Achievements of the educational programme	7
External review panel1	L0
Compliance of the external review outcomes with the standards1	13
Distribution digram of the external review outcomes2	20
Conclusion of the external review panel2	21
Schedule of the site visit of the external review panel2	22

# GENERAL INFORMATION ON EDUCATIONAL INSTITUTION

	INSTITUTION
Full name	Federal State Autonomous Educational Institution of Higher Education National Research Tomsk State University
Founders	Russian Federation, Ministry of Science and Higher Education of the Russian Federation
Year of foundation	<ul> <li>1878 - Siberian Imperial University</li> <li>1888 - Tomsk University</li> <li>1934 - V. V. Kuibyshev Tomsk University</li> <li>2002 - State Educational Institution of Higher</li> <li>Professional Education Tomsk State University</li> <li>2011 - Federal State Budgetary Educational</li> <li>Institution of Higher Professional Education</li> <li>National Research Tomsk State University</li> <li>2014 - Federal State Autonomous Educational</li> <li>Institution of Higher Education National</li> <li>Research Tomsk State University</li> </ul>
Location	36, Lenin Ave., Tomsk, 634050, Russian Federation
Rector	Doctor of Psychological Sciences, Professor Eduard V. Galazhinskiy
Licence	Series 90L01 No8044 registration No 1067 dated 28.07.2014 in perpetuity
State accreditation	Certificate of State Accreditation Series 90A01 No 2731, registration No 2603 dated 29.05.2017, expiry date 29.05.2023
Number of students	Total number 14,112 Full-time 11,452 Part-time 1,037 Extra-mural 1,623

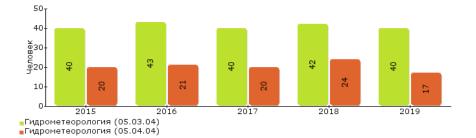
## INFORMATION ON THE EDUCATIONAL PROGRAMMES UNDERGOING ACCREDITATION

Educational programmes	«Hydrometeorology» (05.03.04), «Hydrometeorology» (05.04.04)
Level of training / Standard period of training	<i>bachelor's degree programme - 4 years (full- time) master's degree programme / 2 years</i>
Structural subdivisions (head)	Geology and Geography Faculty (Candidate of Geographic Sciences, Associate Professor Tishin Platon Alekseevich)
Major department (head of major departments)	Department of Hydrology (Doctor of Geographic Sciences, Professor Zemtsov Valerii Alekseevich) Department of Meteorology and Climatology (Doctor of Geographic Sciences, Professor Gorbatenko Valentina Petrovna)
Date of the site visit	13-15 ноября 2019 г.
People responsible for public accreditation of the	<i>Rudenko Tatiana Vladimirovna, Director of the Centre of Accreditation</i>

study programme

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

Indicators	2020 г.	
Cluster of the educational programmes in the field of study «Hydrometeorology» (05.03.04, 05.04.04)		
Number of the given programmes in the RF	36	
Number of higher educational institutions to offer the given programmes	19	
Number of programmes – winners of the project (% from total	8	
number of these programmes offered in the RF)	(22,2%)	
Tomsk region		
Number of the given programmes offered in the region	2	
Number of programmes – winners of the project (% from total	2	
number of these programmes offered in the region)	(100%)	
Number of higher educational institutions and branches in the region	11	
Total number of programmes offered in the region	386	
Total number of programmes – winners of the project (% from total number of these programmes offered in the region)	131 (34%)	



## REFERENCE DATA ON STUDENT ENROLLMENT FOR PROGRAMME

## ACHIEVEMENTS OF THE EDUCATIONAL PROGRAMME

#### Quality of implementing the educational programme

The quality of basic educational programmes is ensured by highly qualified teaching staff, research performance indicators, partnerships with employers.

An increasing interest of applicants to the programmes and successful employment of graduates prove the demand for hydrometeorologists and related professions in industry and research centres in Russia and abroad.

Students have access to e-learning environment including e-data bases and network support.

#### Provision of up-to-date education

The content of the programme is annually updated, thus maintained relevant. Curriculum, syllabus, practical training sessions are regularly updated and corrected.

Close cooperation of the departments with hydrometeorological units included in Rosgidromet, state environmental bodies, design institutes, survey organizations, research institutions of the Academy of Sciences provide students with valuable hands-on experience.

TSU is the only university in western Siberia and one of the eight universities in Russia offering study programmes in hydrometeorology. Specialists from the industry and the leading experts from hydrometeorological units are involved in the programme delivery.

TSU museum collections, resources of the research library are also used in the educational process.

## Teaching staff

The academic degree holders rate is in compliance with the requirements of the Federal State Educational Standards. Altogether 50 members of the teaching staff are involved in Hydrometeorology programme delivery. 36 people (80.7 %) hold academic degrees and titles: 7 people hold the degree of a doctor of sciences and 29 people hold the degree of a candidate of sciences. Forty-six members of the teaching staff are involved in the delivery of "Meteorology" programme. 77.6% of them hold academic degrees and titles: 7 people hold the degree of a doctor of sciences and 28 people hold the degree of a candidate of sciences. The bachelor's programme "Hydrometeorology" employs 54 teachers, including 39 (71.2%) holding academic degrees and titles: 7 doctors of sciences and 32 candidates of sciences. The master's program "Land Hydrology" employs 23 teachers, including 18 (87.5%) holding academic degrees and titles (6 doctors of sciences and 12 candidates of sciences. The master's program "Meteorology" employs 26 teachers, including 22 (88%) holding academic degrees and titles: 6 doctors of sciences and 16 candidates of sciences. The teachers

involved in the programmes delivery are the winners of prestigious contests and awards, medals and certificates holders.

#### Independent assessment of student learning outcomes

Master's programmes of Geology and Geography faculty underwent public accreditation in 2016 and 2018.

The departments which offer degree granting programmes monitor graduates' competency by surveying employers. As of the monitoring of 2019 the employers highly evaluated students' knowledge and competencies demonstrated in research projects, emphasized their readiness for self-development and effective teamwork, IT skills and knowledge of substantial technical resources necessary to address job related tasks.

Students' have numerous achievements and win top places in contests, which proves their professionalism and the development of personal qualities. Every year students enrolled in the Faculty compete and are awarded scholarships from different foundations including Vladimir Potanin foundation, N.I. Vavilov's foundation, the Vernadsky Nongovernmental Ecological Foundation, increased state academic scholarship and others.

#### Learning Resources

The University offers adequate and sufficient facilities for student research work, provides internet coverage at all campus buildings and dormitories.

The classrooms used for the delivery of the programmes are equipped with multimedia, computers, overhead projectors and other facilities, which makes them suitable for lectures, laboratory classes and workshops.

Students have access to self-study classrooms and museum resources (TSU Museum of Mineralogy named after I.K. Bazhenov, Paleontological Museum), resource sharing centre "Aktru" (Republic of Altai).

As of 1.01.2019 the book stock of TSU research library comprised 3,751,320 hard-copies and 3,949,276 e-documents. There are resourcesharing computer classes at TSU, 24/7 Information Centre of TSU Research library and International Resource Centre which offers relevant and up-to-date hard-copy and electronic resources in foreign languages.

#### Research activity

The members of the teaching staff are actively involved in research work supported by state and private companies and foundations.

Over the period from 2016 to 2018 the staff members of the Department published over 168 papers in peer-reviewed journals indexed in Russian Science Citation Index, SCOPUS and Web of Science data bases, included in the list of periodicals recommended by the State Commission for Academic Degrees and Titles. 19 grant projects are 8

currently being implemented by the department including state contracts and contract-based research.

The Department of Geography hosts the National research and practical conference "Contemporary problems of Geography and Geology".

## Academic mobility of students

TSU has structural subdivisions supporting academic mobility of students and staff members (Centre for Joint Academic Programmes, Centre for Academic Mobility).

In the framework of academic mobility programmes students of the Faculty of Geology and Geography take an active part in international conferences, forums and contests.

Inbound mobility programmes welcome students from Kazakhstan, Uzbekistan, Vietnam, Chili and other countries.

## Employability of graduates

Graduates from the programmes are highly demanded on the labour market, which is proved by the official employment rate of graduates.

90% of bachelor programme graduates were employed in 2018. In the previous years the employment rate was also high: 82% of graduates were employed in 2016 and 85% - in 2017. With regard to master programme graduates the employment rate is as follows: 73% were employed in 2016 r., 78% in 2017 r., 75% in 2018 r.

Employers provide on-the-job placement for students as part of practical training sessions.

The themes of Graduation theses are initiated by employers and include calculation and forecasting of hydrological regime, water quality and river mechanics of Siberian rivers; research into atmospheric processes and phenomena aimed at the improvement of the methods of weather forecast and analysis, evaluation of possible climate changes caused by natural and anthropogenic factors, etc.

Employers are very positive about graduates from the programmes.

## **EXTERNAL REVIEW PANEL**





Bogush Anatolii Ivanovich (St. Petersburg, Russia)

Review Chair, foreign expert

Candidate of Geographical Sciences, Expert for Capacity Building at FSBI "Aviamettelecom Rosgidromet", member of Educational and Methodological Board of Russian Universities, member of the Royal Meteorological Society

A nominee of FSBI "Aviamettelecom Rosgidromet"

#### Mergalimova Kymbat Gumarbaevna (Petropavlovsk, Kazakhstan)

Panel member, representative of professional community

Director of «Kazgidromet» branch in North Kazakhstan Region

A nominee of Republican State Enterprise "Kazgidromet"





#### Lapchik Anna Mikhailovna (Novosibirsk, Russia)

Panel member, representative of professional community Head of the Hydrometeorological Centre «West-Siberian authority for hydrometeorology and environmental monitoring»

A nominee of Hydrometeorological Centre «West-Siberian authority for hydrometeorology and environmental monitoring»

#### Karanskii Vitalii Vladislavovich (Tomsk, Russia)

#### Panel member, representative of students

Postgraduate student of the Department of Electronic Engineering of majoring in Physics and Astronomy «Tomsk State University of Control Systems and Radioelectronics »

A nominee of Tomsk State University of Control Systems and Radioelectronics

## INFORMATION ON THE LEADING TEACHERS OF THE EDUCATIONAL PROGRAMME

#### Gorbatenko Valentina Petrovna

Doctor of Geographical Sciences, Professor, Head of the Department of Meteorology and Climatology, has certificates of the World Meteorological Organization for training personnel in hydrometeorology in accordance with WMO standards, awarded an Honorary Diploma of the Ministry of Science and Higher Education of the Russian Federation, has TSU certificates and medals, holds of the national award "Professor of the Year" 2018

#### Zemtsov Valerii Alekseevich

Doctor of Geographical Sciences, Professor, Head of the Department of Hydrology, member of the Russian Geographical Society, Honorary Worker of Hydrometeorological Service of Russia, has medals and certificates of TSU, Tomsk Administration

#### Sevastianov Vladimir Veniaminovich

Doctor of Geographical Sciences, Professor of the Department of Meteorology and Climatology, member of the Russian Geographical Society, Honorary Worker of Higher Professional Education of Russia, has medals of TSU and Tomsk Administration

#### **Gordov Evgenii Petrovich**

Doctor of Physical and Mathematical Sciences, Professor of the Department of Meteorology and Climatology, member of the European Academy of Sciences, European Geophysical Society, American Geophysical Society, has medals and awards of Tomsk and the Tomsk Region

#### **Burakov Dmitrii Anatolevich**

Doctor of Geographical Sciences, Professor of the Department of Hydrology, has medals and awards of TSU

#### Savichev Oleg Gennadevich

Doctor of Geographical Sciences, Professor of the Department of Hydrology, member of the Russian Geographical Society

#### Kuzhevskaia Irina Valerevna

Candidate of Geographical Sciences, Associate Professor of the Department of Meteorology and Climatology, has certificates of the World Meteorological Organization for training personnel in hydrometeorology in accordance with WMO standards, has medals and awards of TSU

#### Volkova Marina Aleksandrovna

Candidate of Geographical Sciences, Associate Professor of the Department of Meteorology and Climatology, member of the Russian Geographical Society

#### **Paromov Vladimir Valeriianovich**

Candidate of Geographical Sciences, Associate Professor of the Department of Hydrology

## Vershinin Dmitrii Aleksandrovich

Candidate of Geographical Sciences, Associate Professor of the Department of Hydrology, member of the Russian Geographical Society, has medals and awards from TSU, Tomsk Administration, the Ministry of Nature Resources and Environment of the Russian Federation

## 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:**

TSU was one of the first HEIs in Russia to establish a Council of Industrial Partners acting as expert-analytical and advisory management body.

Representatives of HEI administration, staff members and students, employers and association employers, representatives of line ministries and administrative entities, key partners of graduates' employment take an active part in the development and implementation of quality assurance policy by certain structures and processes.

Internal monitoring and evaluation of the quality of study programmes is carried out by programme supervisors and the dean's office in close cooperation with the University Academic Department, TSU's Centre for International and Education Quality Assurance and Career Development, Department for Practical Training and Employment, Centre for the Development of the Quality of Education, etc.

TSU engages all its subdivisions into the processes and procedures of quality assurance.

The quality assurance system supported by regular monitoring and is among the priorities of the faculty.

## Areas for improvement:

It is recommended that the university quality policy should include the recommendations of the World Meteorological Organization on the quality of hydrometeorological education and personnel training

## STANDARD 2. Design and approval of programmes

Compliance with the standard: substantial compliance

## **Good practice:**

The goals and objectives of the programmes included in the cluster are in compliance with the mission of TSU, the requirements to learning outcomes and professional competencies placed by the Professional Standard and World Meteorological Organization. At the faculty and the university levels the content of the programmes is regularly updated and corrected.

Employers are involved in the delivery of the programmes undergoing accreditation. They give practical classes and workshops, suggest themes research and theses, take an active part in programme design.

The Department of Internships and Employment regularly evaluates the labour market demand for highly-qualified specialists and graduates' employment. The market needs are based on the data provided by the Ministry of Science and Higher Education of the Russian Federation and the Pension Fund. The Department published vacancies on its website. Over the past three years there is a positive employment dynamics of bachelor programme graduates.

#### Areas for improvement:

New programmes in Applied Hydrometeorology should rely on the requirements of the official documents of the World Meteorological Organization, Guide to the Implementation of Education and Training Standards in Meteorology and Hydrology No 1083, 2015.

It is recommended that TSU should conclude bilateral agreements with the Russian Hydrometeorological service Rosgidromet, its local offices and the Head Research Institution of Rosgidromet in order to take into account the contemporary advancements in science and technology.

## STANDARD 3. Student-centered learning and assessment

Compliance with the standard: **full compliance** 

## **Good practice:**

Students are annually surveyed to obtain reliable and objective information on the organization of the educational process and monitor students' satisfaction with the quality of the study programmes.

Students can choose individual learning trajectory, which is particularly relevant for master students.

Employers are included in State Attestation Committee, assess students' professional competencies, revise the themes of bachelor and master graduation theses.

The Faculty employs the practice of independent assessment of professional qualification of final-year students by external employers. The procedure is mutually advantageous: on the one hand the Faculty obtains independent assessment of students training, on the other, employers save time and money for further training and initial adaptation of personnel. Particular attention is paid to training persons with special needs or disabilities to ensure they are given the support they need depending on their psychophysiological development and individual abilities.

## Areas for improvement:

It is recommended that new educational methods be engaged in programme or course design, which would inspire students to take a more active part in the process.

It is recommended that the Faculty introduce into its regular assessment practice an independent examination of students' knowledge and skills (independent exam for bachelor students, Federal internet exam in the sphere of professional qualification, etc.).

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

Compliance with the standard: **full compliance** 

## **Good practice:**

There are enough career guidance events for school students.

The staff involved in the programme delivery publish the results of their research work in journals indexed in Russian Science Citation Index, etc.

Students enrolled in the programme win challenging contests.

Graduates from the programme willing to be employed abroad get a European Diploma Supplement upon request in addition to the Russian Diploma.

Increasing of the passing score from 183 to 199 clearly demonstrates the effectiveness of the admission champagne. Applicants tend to be better prepared and more motivated, which is possible provided the career advice of departments, faculty and the University is regular and efficient.

The information on the scholarship programmes and grants for international academic mobility is regularly published on the University website.

Students build their individual portfolios using the electronic information system "Flamingo".

Students with special academic achievements are included in working groups implementing Erasmus + projects.

## Areas for improvement:

It is recommended that long-term cooperation agreements should be signed between TSU and hydrometeorological institutions in order to conduct joint practical trainings for students and engage them present in conferences, contests and round table discussions.

## STANDARD 5. Teaching staff

## Compliance with the standard: full compliance

## **Good practice:**

TSU has agreements on cooperation with national and international employers and HEIs. Thus, employers and academics from Tomsk, Tomsk region, and the rest of Russia, as well as Toulouse, France (The University of Toulouse) are involved in the programme delivery. The percentage of visiting lecturers varies from 7.6% to 35.6% depending on the programme.

Over the period from 2016 to 2018 the staff members of the departments involved in the delivery of the programmes undergoing accreditation prepared over 168 papers, which were published in journals indexed in Russian Science Citation Index, SCOPUS and Web of Science or included in the list of the leading scientific journals and approved by the Russian Higher Attestation Board. The staff members of the Departments carry out various research projects initiated and supported by state and private foundations. The research results obtained by TSU staff are included in training manuals used in the educational process.

The University considers its innovation to introduce e-courses into the curriculum. These courses are delivered by the leading national and international higher education institutions and research organizations. Around 300 courses are delivered online at the Geology and Geography Faculty.

The teaching staff of the Faculty regularly upgrade their qualification by attending further training courses. In 2015 World Meteorological Organization issued teacher training certificates as a result of course completion by TSU teachers.

The incentive system (financial and non-financial) is in place at TSU and is regulated by the Compensation and Benefits Policy for University Staff Members.

Some representatives of the teaching staff hold membership in the Russian Geographic Society, Tomsk brunch, and implement EU Erasmus + projects.

#### Areas for improvement:

It is advisable to develop the Regulations on Mandatory Professional Advancement for teachers involved in the delivery of study programmes included in Hydrometeorology cluster. The training should be held as the premises of the leading research institutions of Rosgidromet and operating departments of Rosgidromet on a regular basis.

## STANDARD 6. Learning resources and student support

## Compliance with the standard: full compliance

## **Good practice:**

The equipment and tools used in education are regularly standardized and adjusted. They are registered in the Russian State Registry of Measuring Equipment. The University is licensed to carry out hydrological observations and measurements.

Personal accounts provide students with the access to e-library resources and e-courses. Via e-system students can request different references and track their academic progress.

The library of TSU provides students access to information resources including national and international databases. The seating capacity of TSU reading halls is sufficient for students. There is also a 24/7 reading information hall. RTID technology allows self-service 'smart' book return.

The faculty offers its students foreign language classes with native speakers. There are multiple access computer classrooms at the University.

Paleontological museum of TSU is one of the oldest museums at the University. The collection of mineralogical museum contains over 50, 000 exhibits.

The University offers high quality support to international students.

### Areas for improvement:

It is recommended that the Departments should regularly upgrade university equipment for both research and teaching.

External Review Panel recommends Arm-Meteorolog, and REKI-REZHIM professional software be installed and used in the educational process.

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

Compliance with the standard: **full compliance** 

## **Good practice:**

Well developed information technologies facilitate student interaction with different subdivisions of the University. Information and analytical tools "Student", "Timetable" and others are used to organize and manage the educational process.

The Moodle LMS is used for distance educaitonal, e-learning projects and University management.

## **Areas for improvement:**

The External Review Panel recommends that the members of the teaching staff should analyze the experience of programme management at HEIs abroad, focusing on good practices and introduce them into TSU educational management system.

## **STANDARD 8.** Public information

Compliance with the standard: **full compliance** 

## **Good practice:**

The website of Geological and Geographical Faculty publishes on its website information on conferences, workshops, round tables, open lectures, best academic and research practices of teachers, students and researchers, involvement of the representatives from the industry to progamme delivery, students' achievements and successful career of graduates.

Website section "Admission" publishes information on student admission, career guidance events organized at the regional, national and international levels, data on student achievements.

#### Areas for improvement:

It is recommended that the University resources be better used for keeping stakeholders informed on the programmes.

It is recommended that information support of study programmes should be enhanced via a variety of media channels.

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

Compliance with the standard: **full compliance** 

#### **Good practice:**

Training documentation is regularly updated in order to be compliant with the regulatory documents, university documents and labour market requirements. Students report at the departments upon completion of their summer practical training. Students comments and recommendations are taken into consideration when upgrading and correcting the programme content and curriculum. For example, the system of automated work station of a meteorologist ARM GIS-Meteo system was introduced in the educational process after students returned from practical training hosted by Rosgidromet subdivisions.

Feedback from alumni and employers also contributes to developing programme documentation.

## Areas for improvement:

It is recommended that the mechanism of feedback from graduates and alumni should be improved. It is recommended that alumni should take part in staff meetings and research workshops, etc.

## STANDARD 10. Cyclical external quality assurance of the educational programmes

Compliance with the standard: **full compliance** 

## **Good practice:**

Study programmes of TSU regularly undergo public accreditation. As a result of accreditation procedures a plan of actions is developed to implement expert recommendations.

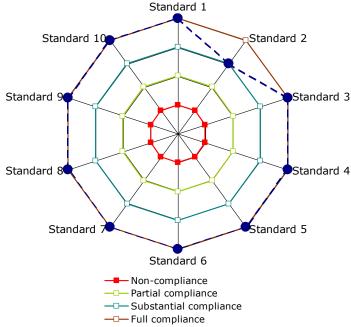
The programmes included in the clusters underwent state accreditation in 2017. No irregularities of shortcomings were revealed in the organization of the educational process.

When preparing for external evaluation procedures and introducing qualitative changes, the recommendations of the State Attestation Committee, employers and students are taken into account.

## Areas for improvement:

It is recommended that external evaluation procedures be diversified to include in addition to public accreditation procedures rankings, peer review, participating in contests, such as, for example the Best Programmes of Innovative Russia.

## DISTRIBUTION DIGRAM OF THE EXTERNAL REVIEW OUTCOMES



- -- Conclusion of the ERP
- 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 cluster of the educational programmes «Hydrometeorology» (05.03.04, 05.04.04) **fully 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 cluster of the educational programmes «Hydrometeorology» (05.03.04, 05.04.04), delivered by the National Research Tomsk State University for the period of **6 years**.

## SCHEDULE OF THE SITE VISIT OF THE EXTERNAL REVIEW PANEL

Time	Activity	Participants	Venue		
13 November, Wednesday					
8.45	Arrival at the University				
09.00 — 11.00	The first meeting of the External Review Panel		Room 245, the Main building of the University, 36, Lenin Avenue		
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	Room 245, the Main building of the University, 36, Lenin Avenue		
12.00 — 12.45	Tour of the University	ERP			
12.45 — 13.45	Lunch		University canteen, the Main building of the University		
13.55 — 14.40	Visit to the research library	ERP	University research library		
15.00 — 16.00	Work with documents	ERP	Room 245, the Main building of the University, 36, Lenin Avenue		
15.00 — 16.00	Meeting with Dean, Deputy Deans	Dean of the Faculty, Deputy Deans, ERP	Room 245, the Main building of the University, 36, Lenin Avenue		
16.10 — 16.50	Visit to the interregional supercomputing centre	ERP	Room 229, 10 building of the University		
17.00 — 17.30	Internal meeting of ERP	ERP			
17.30 — 18.30	Meeting with heads of departments	Heads of Departments, ERP	Room 245, the Main building of the University, 36, Lenin Avenue		
18.30 — 19.00	Internal meeting of ERP		Room 245, the Main building of the University, 36, Lenin Avenue		

Time	Activity	Participants	Venue			
14 November, Thursday						
8.45	Arrival at the University					
9.00 — 10.00	Tour of 6 building of the University	Teachers, ERP	6 Building of the University, 49 Arkadia Ivanova Street			
10.00 — 11.00	Meeting with teachers	ERP	Room 204, 6 building of the University			
11.00 — 11.30	Internal meeting of the Panel	ERP				
11.30 — 12.30	Meeting with students	Students, ERP	Room 204, 6 building of the University			
12.30 — 13.00	Internal meeting of the Panel	ERP	Room 204, 6 building of the University			
13.20 — 14.20	Lunch		University canteen, the Main building of TSU			
14.40 — 15.40	Attending classes, drafting the final report, completing assessment forms	ERP	Room 204, 6 building of the University			
15.40 — 16.30	Work with documents	ERP	Room 204, 6 building of the University			
16.30 — 17.30	Meeting with representatives of professional community	Representatives of professional community, ERP	Room 204, 6 building of the University			
17.30 — 17.45	Internal meeting of the Panel	ERP				
17.45 — 18.45	Meeting with graduates	graduates, ERP	Room 204, 6 building of the University			
18.45 — 19.20	Internal meeting of the Panel	ERP	Room 204, 6 building of the University			
15 November, Friday						
8.10	Arrival at building 6 of the University					
08.30 — 12.00	Internal meeting of the Panel: discussion of preliminary results of the site visit, preparation of the oral report of the panel	ERP	Room 204, 6 building of the University			
12.30 — 13.30	Closing meeting of the External Review Panel with the representatives of the University	ERP, University administration, Heads of the Graduate Departments, teachers, students	Room 209, the Main building of the University			
13.30 — 14.30	Lunch		University canteen, the Main building of the University			
	Departure					