Вологодская ГМХА
им. Н.В. Верещагина

National Centre for
Public Accreditation

SUMMARY REPORT

on public accreditation of the cluster of study
programmes

«Standardization and Metrology» (27.03.01, 27.04.01)

delivered by Vereshchagin Vologda State Dairy Farming
Academy

2019

While preparing this Summary Report we used information from the Self-Evaluation Report and the Report on the External Review of the cluster of study programmes «Standardization and Metrology» (27.03.01, 27.04.01) delivered by Vereshchagin Vologda State Dairy Farming Academy.

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

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GENERAL INFORMATION ON EDUCATIONAL INSTITUTION

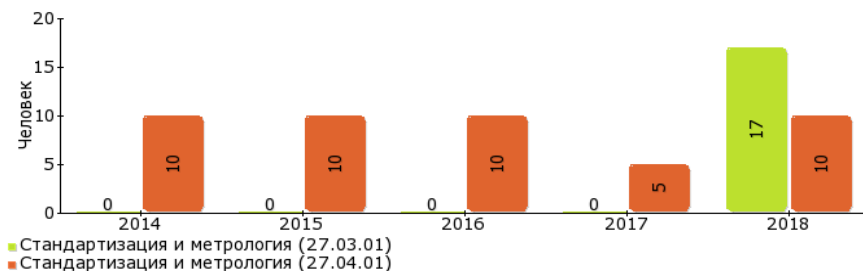|	
Full name of the educational institution	*Federal State Budgetary Educational Institution of Higher Education «Vereshchagin Vologda State Dairy Farming Academy»*
Founders	*Ministry of Agriculture of the Russian Federation*
Year of foundation	*1911 — Vologda Dairy Farming Institute* *1934 — Vologda Agricultural Institute* *1945 — Vologda Dairy Institute* *1995 — Vologda State Dairy Farming Academy* *1995 — Vereshchagin Vologda State Dairy Farming Academy* *1996 — Vereshchagin Vologda State Dairy Farming Academy* *1997 — State Educational Institution «Vereshchagin Vologda State Dairy Farming Academy»* *2002 — Federal State Educational Institution of Higher Professional Education «Vereshchagin Vologda State Dairy Farming Academy»* *2011 — Federal State Budgetary Educational Institution of Higher Professional Education «Vereshchagin Vologda State Dairy Farming Academy»* *2014 — Federal State Budgetary Educational Institution of Higher Education «Vereshchagin Vologda State Dairy Farming Academy»*
Location	*2, Schmidt Str., Molochnoe, Vologda, Vologda Region, 160555*
Rector	*Nikolai Markov, Candidate of Engineering Sciences, Associate Professor*
License	*Series 90Л01 №8798 reg. № 1776 of 18.11.2015 permanent*
State accreditaiton	*Certificate of State Accreditation Series 90A01 № 1855, reg. №1762 of 16.03.2016 valid till 12.01.2021*
Number of students	*3217* *of whom:* *1491 are full-time students* *272 are part-time students* *1454 study in absentia*

INFORMATION ABOUT THE STUDY PROGRAMMES UNDERGOING ACCREDITATION

Educational programmes	*«Standardization and Metrology» (27.03.01), «Standardization and Metrology» (27.04.01)*
Level of training / Standard period of training	*Bachelor's Degree Programme / 4 years Master's Degree Programme / 2 years*
Structural subdivision (Head)	*Technological Faculty (Vladimir Schevchuk, Candidate of Engineering Sciences, Associate Professor)*
Graduate departments (and their respective heads)	*Department of Technology of Milk and Dairy Products (Galina Zabegalova, Candidate of Engineering Sciences, Associate Professor)*
Dates of Review	*May 21-23, 2019*
Person responsible for accreditation from the HEI	*Marina Prozorova, Candidate of Agricultural Sciences, Associate Professor, Head of the Department for Learning and Teaching Materials*

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

Indicators	2019
Cluster of the educational programmes «Standardization and Metrology» (27.03.01, 27.04.01)	
Number of the given programmes in the RF	164
Number of higher educational institutions to offer the given programmes	96
Number of programmes – winners of the project (% from total number of these programmes offered in the RF)	7 (4,3%)
Vologda Region	
Number of the given programmes offered in the region	2
Number of programmes – winners of the project (% from total number of these programmes offered in the region)	0 (0%)
Number of higher educational institutions and branches in the region	15
Total number of programmes offered in the region	153
Total number of programmes – winners of the project (% from total number of these programmes offered in the region)	10 (6,5%)

REFERENCE DATA ON STUDENT ENROLLMENT FOR PROGRAMME

■ Стандартизация и метрология (27.03.01)
■ Стандартизация и метрология (27.04.01)

ACHIEVEMENTS OF THE STUDY PROGRAMMES

Quality of implementing the study programme

The quality of the study programmes is provided by highly qualified teaching staff and their research activities, development and continuous improvement of teaching and learning materials, as well as close cooperation with associations of employers.

The Academy ranks 24th among 54 agrarian higher education institutions according to the monitoring of Russian agrarian HEIs.

The Academy is a member of different non-governmental organizations: Russia Union of Dairy Industry Enterprises, Union of Ice Cream Makers of Russia, National Union of Milk Producers «SOIUZMOLOKO», Guild of Vologda Oil Producers, International Academy of Refrigeration, etc.

Provision of up–to-date education

The up-to-date content of education is provided by annual renewal and correction of the educational programmes, curricula and programmes of disciplines. The Academy uses a system approach to internal monitoring of the educational programmes with involvement of all stakeholders (administration, teachers, students, employers).

The Faculty has a mechanism of cooperation of Student Council representatives with the Faculty administration that improves efficiency of the educational process.

Teaching staff

The teaching staff and their qualification correspond to the requirements. The teaching staff comprises 31 people, 28 of them have academic titles, including 4 Doctors of Sciences.

The Academy uses a performance-based contract of employment; the internal system of professional development of the teaching staff is developed on the basis of the Faculty of Professional Development and Retraining.

Involvement of experts from the organizations «Vologda Centre of Certification», «Vologda Dairy Plant», «Educational and Experimental Dairy Factory of Vereshchagin Vologda State Dairy Farming Academy», etc. in the educational process contributes to practice-oriented training of students.

Independent assessment of student learning outcomes

The representatives of non-governmental organizations participate in independent evaluation of graduates' training quality. Following the monitoring of performance efficiency carried out by the Ministry of Science and Higher Education in 2018, the Academy is an effective higher education institution implementing 6 indicators out of 7.

Educational resources

The Technological Faculty is sufficiently provided with classrooms having modern equipment. An individual access to the Internet is in place. The financial resources allow the Academy to receive, maintain and use material and technical resources and equipment.

Computer facilities, multimedia equipment, equipment for classrooms and laboratories are annually renewed. There are computer classes for shared use with an access to the Internet located in the Academy library. The elements of distance learning technologies are used when delivering the educational programmes.

Research activity

The teachers and students do research. The results of research are used in the educational process, when organizing research work of students. Special attention is paid to the publications in research journals. For the last 5 years 3 theses for candidate's degree were defended, 15 intellectual property items were registered.

In 2018 the state research grant was received. High qualification of the staff, research and academic activities of students and postgraduate students promote increase in the amount of grants and commercial agreements at the Department.

Academic mobility of students

Foreign students study at the Academy. The educational institution participates in the programmes of international exchange (Germany, Belarus, Czech Republic, Uzbekistan), organizes and holds international conferences, seminars, webinars, online lectures. The student of the Technological Faculty served internship at the Rhine-Waal University of Applied Sciences, Kleve (Germany).

Employability of graduates

The graduates of the Technological Faculty are in demand on the labour market. Cooperation with employers during practical training helps to provide employability of graduates in Vologda and other regions. The percentage of employed graduates is 78,6%.

EXTERNAL REVIEW PANEL

Farid Galimov (Kazan)

Review Chair, Russian expert

> *Doctor of Engineering Sciences, Professor, Head of the Department of Standardization, Certification and Technological Management, Tupolev Kazan National Research Technical University*

A nominee of the Guild of Experts in Higher Education

Yurii Nikolaev (Moscow)

Deputy Review Chair, Russian expert

> *Candidate of Engineering Sciences, Associate Professor, Department of Metrology and Standardization, Institute of Physics and Technology, MIREA - Russian Technological University*

A nominee of the Guild of Experts in Higher Education

Anna Pautova (Vologda)

Panel member, representative of professional community

> *Head of the Department of Standardization, Metrology, Laboratory Supply and Accreditation, Centre of Hygiene and Epidemiology in the Vologda Region*

A nominee of the Centre of Hygiene and Epidemiology in the Vologda Region

Artem Lebedev (Vologda)

Panel member, representative of students

> *3rd year student of the Institute of Mechanical Engineering, Power Engineering and Transport, Vologda State University*

A nominee of Vologda State University

INFORMATION ON THE LEADING TEACHERS OF THE EDUCATIONAL PROGRAMMES

Nadezhda Ostretcova

Candidate of Engineering Sciences, Associate Professor, Department of Technology of Milk and Dairy Products, author of 5 patents and copyright certificates

Vera Grunskaia

Candidate of Engineering Sciences, Associate Professor, Department of Technology of Milk and Dairy Products, author of 11 patents and copyright certificates

Galina Zabegalova

Candidate of Engineering Sciences, Associate Professor, Head of the Department of Technology of Milk and Dairy Products, author of 2 patents

Dina Gabrielian

Candidate of Engineering Sciences, Associate Professor, Department of Technology of Milk and Dairy Products, author of 1 patent

Alla Novokshanova

Candidate of Engineering Sciences, Associate Professor, Department of Technology of Milk and Dairy Products, author of 4 patents and copyright certificates

Irina Polianskaia

Candidate of Engineering Sciences, Associate Professor, Department of Technology of Milk and Dairy Products

Elena Khaidukova

Candidate of Engineering Sciences, Associate Professor, Department of Technology of Milk and Dairy Products, author of 1 patent

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: **substantial compliance**

Good practice:

The documents regulating the content, organization and quality control of the educational process are developed and approved. The Centre of Education Quality is established.

The educational process is carried out in close cooperation with the enterprises of the agroindustrial sector of the Vologda Region.

Areas for improvement:

It is recommended that the system of management of education quality should be improved on the basis of the unified criteria with the account of stakeholders' opinions.

STANDARD 2. Design and approval of programmes

Compliance with the standard: **substantial compliance**

Good practice:

The goals of the educational programmes are oriented at meeting regional needs in a highly qualified staff.

Annual review and correction of curricula and programmes are carried out with the help of the Centre of Education Quality Evaluation.

Areas for improvement:

It is recommended that credits of the discipline «Metrology» should be increased, the disciplines «Accreditation of Laboratories», «Metrological Support of Production Control», etc. should be included in the curricula.

It is advisable that the requirements of approved professional standards should be taken into account when renewing the educational programmes.

It is recommended that the representatives of the labour market should be involved in the development of the educational programmes.

STANDARD 3. Student-centred learning and assessment

Compliance with the standard: **full compliance**

Good practice:

The students are informed about the educational programmes and criteria for evaluation of learning outcomes.

Student opinions are taken into account when choosing facilities for practical training, subjects of tasks for practical training, topics of course works and projects.

The «Examination Centre» of the Centre of Qualification Evaluation under the Council for Professional Qualifications of Agroindustrial Complex was established on the basis of the Academy to carry out independent evaluation of qualification of graduates of higher, vocational and further professional education and qualified experts of agroindustrial complex.

Areas for improvement:

It is recommended that opinions of students should be taken into account when developing the educational programme, and changes to the programmes should be made following the results of the discussions.

It is advisable that work on participation of students in competitions, grants, conferences should be continued.

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

Compliance with the standard: **substantial compliance**

Good practice:

Systematic work on support of academic progress including the use of the resources of the Academy educational portal is carried out.

High percentage of graduates finds subject-related jobs.

The Academy closely cooperates with the Department of Labour and Employment of the Vologda Region, Vologda municipal and regional employment centres, Vologda Institute of Education Development.

Areas for improvement:

It is recommended that ways of career guidance in other Russian regions should be extended to involve more entrants, including the foreign ones.

It is advisable that network forms of education should be implemented in order to use material and technical resources of other higher education institutions and enterprises.

STANDARD 5. Teaching staff

Compliance with the standard: **substantial compliance**

Good practice:

The teaching staff comprises 31 people, 28 of them have academic titles, including 4 Doctors of Sciences.

The teachers actively participate in research. All teachers have experience of work in research organization or Academy subdivisions and supervise grant or contract-based research.

Areas for improvement:

It is recommended that the possibility of exchange of teachers with other higher education institutions should be considered.

It is advisable that employers should be more actively involved in the educational process by teaching subject-related disciplines, for example, employers from the State Regional Centre of Standardization, Metrology and Tests in the Vologda Region, experts of the Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing (Rospotrebnadzor), etc.

It is recommended that laboratory works should be carried out with the use of virtual laboratory facilities.

STANDARD 6. Learning resources and student support

Compliance with the standard: **substantial compliance**

Good practice:

The Academy has a developed infrastructure (dormitories, sports and culture facilities, etc.).

Since January 2019 the portal of research conferences aimed at informational and organizational support of Academy conferences was launched.

The modern equipment of the Educational and Experimental Dairy Factory of Vereshchagin Vologda State Dairy Farming Academy is available.

Areas for improvement:

It is recommended that the professional directory system «Techexpert» should be included in the electronic library system of the Academy.

It is advisable that the Academy should cooperate with the Vologda Standardization, Metrology and Certification Centre to use modern regulatory and technical resources in standardization and metrology.

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

Compliance with the standard: **substantial compliance**

Good practice:

The educational institution has a developed information network that includes electronic informational and educational environment, corporate mail, and the distance learning system MOODLE.

Areas for improvement:

It is recommended that the efficiency of the system for collection and monitoring of information on the educational programme should be improved by involvement of the greatest amount of stakeholders.

It is advisable that the mechanism for collection, analysis and implementation of corrective actions on improvement of the educational programmes should be developed.

STANDARD 8. Public information

Compliance with the standard: **full compliance**

Good practice:

The Academy official website is highly informative and illustrative. There is an English version of the website.

The Academy actively cooperates with different professional communities and organizations: Russian Union of Dairy Enterprises, International Academy of Refrigeration, National Union of Milk Producers, Guild of Vologda Oil Producers, etc.

The staff of the Technological Faculty are members of international professional communities.

Areas for improvement:

It is recommended that work on informing the public about the achievements and opportunities of the Academy should be continued.

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

Compliance with the standard: **substantial compliance**

Good practice:

The Academy has stable relations with leading enterprises of the Vologda region: «Educational and Experimental Dairy Factory of Vereshchagin Vologda State Dairy Farming Academy», «Vologda Dairy

Plant», «Nestle Russia». It allows the Academy to involve them in monitoring and evaluation of the educational programmes.

Areas for improvement:

It is recommended that the regulations on periodical assessment and annual review of the educational programmes should be developed taking into account the requirements of the regional labour market, research and material and technical resources of the Academy.

STANDARD 10. Cyclical external quality assurance of study programmes

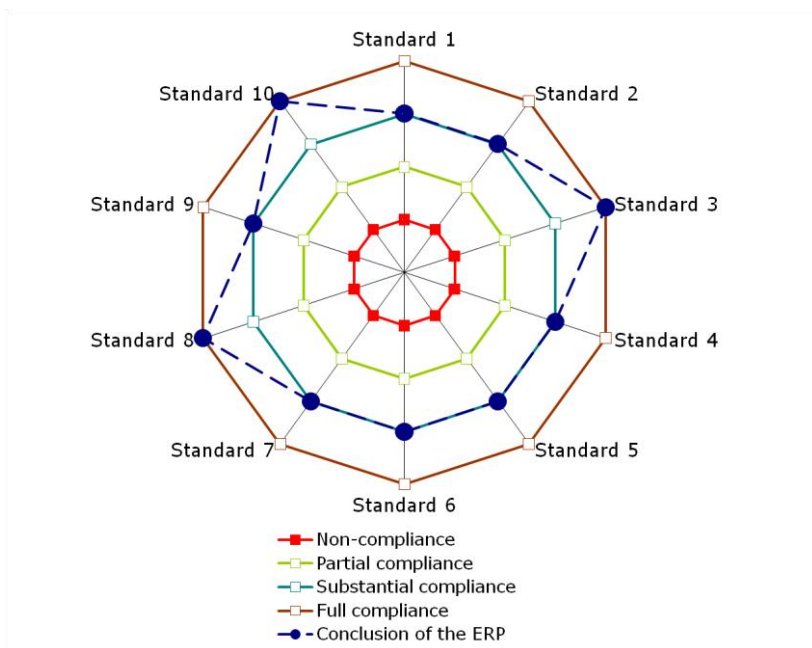Compliance with the standard: **full compliance**

Good practice:

Systematic external review of the educational programmes is in place.

The Academy ranks 24th among 54 agrarian higher education institutions of the Russian Federation.

Areas for improvement:

It is recommended that the results of the NCPA review should be taken into account when preparing for state accreditation.

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 the study programmes «Standardization and Metrology» (27.03.01, 27.04.01) **substantially** 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 the study programmes «Standardization and Metrology» (27.03.01, 27.04.01) delivered by Vereshchagin Vologda State Dairy Farming Academy for the period of **six years**.

SCHEDULE OF THE SITE VISIT OF THE EXTERNAL REVIEW PANEL

Time	Activity	Participants	Venue
May 21, Tuesday			
08.00	Departure from the hotel "Vologda" to the Academy (8, Mira Str., Molochnoe)		92, Mira Str.
09.00 — 11.00	First meeting of the External Review Panel		Room 201, 8, Mira Str., Molochnoe
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 201
12.00 — 13.30	Tour of the University (visiting library, experimental section of the "Uchebno-Opytnyi Zavod")	ERP	15, Pankratova Str. 6, Naberezhnaia Str.
13.30 — 14.30	Lunch		Dining Room "Vitiaz"
14.30 — 15.30	**Meeting with the representatives of the Department for Quality, Centre of Marketing and International Cooperation, Department of Students Internships and Graduates Employability**	Heads of Subdivisions, ERP	Room 201
15.30 — 15.40	Break		
15.40 — 16.40	**Meeting with Dean and Deputy Deans**	Dean, Deputy Deans, ERP	Room 101
16.40 — 17.00	Work with documents	ERP	Room 306
17.00 — 18.00	**Meeting with representatives of professional community**	Employers, ERP	Room 101
18.00 — 18.30	Internal meeting of the Panel	ERP	Room 306
18.30	Departure from the Academy		

Time	Activity	Participants	Venue
May 22, Wednesday			
08.15	Departure from the hotel "Vologda" to the Academy (8, Mira Str., Molochnoe)		92, Mira Str.
09.00 — 09.50	Tour of the Building № 1 (Technological Faculty), visiting classes (optional)	ERP	2, Shmidta Str., Molochnoe
09.50 — 10.50	**Meeting with Head of Department, Programme Director**	Head of Department, Programme Director, ERP	Room 101, 8, Mira Str., Molochnoe
10.50 — 11.00	Break		
11.00 — 12.00	**Meeting with teachers**	Teachers, ERP	Room 101
12.00 — 13.00	Lunch		Dining Room "Vitiaz"
13.00 — 14.00	**Meeting with students**	Students, ERP	Room 101
14.00 — 16.00	Work with documents	ERP	Room 306
16.00 — 17.00	**Meeting with graduates**	Graduates, ERP	Room 101
17.00 — 18.30	Work with documents	ERP	Room 306
18.30	Departure from the Academy		
May 23, Thursday			
08.15 — 08.45	Departure from the hotel "Vologda" to the Academy (8, Mira Str., Molochnoe)		92, Mira 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	Room 306, 8, Mira Str., Molochnoe
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	Room 201, 8, Mira Str., Molochnoe
13.00 — 14.00	Lunch		Dining Room "Vitiaz"
14.00	Departure		8, Mira Str., Molochnoe