



STAVROPOL
STATE
AGRARIAN
UNIVERSITY

Stavropol State Agrarian University the Sustainable Development Goals Report





STAVROPOL
STATE
AGRARIAN
UNIVERSITY



APPROVED
Rector

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MISSION

To become the leader of the advanced training of the regional agrarian elite, able to effectively implement the tools of innovative, technological and digital transformation of the agro-industrial complex, contribute to the sustainable spatial development of the south of Russia, preserve and increase the moral, cultural and scientific values of our society.

STRATEGIC GOAL

Transformation into an entrepreneurial-type University, embedding (integrating) agro-drivers (biologisation of agriculture, breeding, animal genomics, digitalization, advanced training for agriculture) in the processes of ensuring sustainable development of Stavropol Krai and the North Caucasus Federal District. Building a new role of the University as a leader in the transfer of research, production, educational and digital technologies aimed at the sustainable development of Stavropol Krai and the North Caucasus Federal District.





1 NO POVERTY



Goal 1: End poverty in all its forms everywhere



Goal 1: End poverty in all its forms everywhere

The University's activities in the field of the universal elimination of poverty in all its forms

Within the framework of achieving the sustainable development goal "Goal 1: End poverty in all its forms everywhere", the university implements :



Social support projects for children left without parental care



Social support projects for the elderly



Project to support children being treated in hospitals



Scholarship support for student achievements

Студентам Выпускникам Сотрудникам

ЦЕЛЬ РАЗВИТИЯ > ЛИКВИДАЦИЯ НИЩЕТЫ

Ликвидация нищеты

Проекты социальной поддержки детей, оставшихся без попечения родителей

Проекты социальной поддержки пожилых людей

SSAU is a platform for free projects for students to improve competitiveness in the labor market

Who can take free training?

- Citizens aged 50 years and older, citizens of pre-retirement age;
- Women on parental leave under 3 years of age;
- Women who are not in an employment relationship and have preschool children aged 0 to 7 years inclusive;
- Unemployed citizens registered with the employment service;
- Employees at risk of dismissal, including the introduction of part-time work, downtime, temporary suspension of work, the provision of leave without pay, measures to release employees
- unprotected layers of citizens

Федеральный проект «Содействие занятости» национального проекта «Демография» направлен на помощь гражданам повысить квалификацию и востребованность на рынке труда, сменить профессию или открыть свое дело в качестве ИП или самозанятого.

Цель проекта: содействие занятости отдельных категорий граждан путем организации профессионального обучения и дополнительного профессионального образования для приобретения или развития имеющихся знаний, компетенций и навыков, обеспечивающих конкурентоспособность и профессиональную мобильность на рынке труда.

Ознакомиться с условиями и перечнем программ можно на сайте ЦОПП

Сайт ЦОПП

Выбрать программу обучения и подать заявку можно на портале «Работа в России»

Работа в России

По всем вопросам реализации программ СтГАУ и ЦОПП вы можете обращаться по телефону: 8-(8652)-31-59-59

Проекты



Программы опережающей подготовки

Федеральный проект «Содействие занятости»

Пройдите бесплатное обучение в рамках федерального проекта «Содействие занятости» или переподготовку по выбранной профессии для повышения конкурентоспособности на рынке труда.

https://vk.com/wall-215489923_1651

<https://copp26.ru/calendar/proyditie-besplatnoe-obuchenie-po-programmam-stgau-i-tsopp-v-ramkakh-fp-sodeystvie-zanyatosti/?ysclid=m20ltitu9461038805>



FARMER'S SCHOOL

- 6 streams
- more than 100 prs.

"Farmer's School" is a federal project aimed at increasing professionalism in the agro-industrial complex.

The project is implemented by the Ministry of Agriculture of the Stavropol Territory, the regional branch of JSC "Rosselkhoz nadzor" and Stavropol State Agrarian University.

<https://stgau.ru/en/media/news/obrazovatelnyi-proekt-skola-fermera-obieivliaet-novyi-nabor-slusatelei?ysclid=m20lx9s1la736485287>

https://vk.com/video710229823_456239928?ysclid=m20lw3knud689035587

<https://catalog.copp26.ru/vzroslym/organizatsiya-i-funktsionirovanie-krestyanskikh-fermerskikh-khozyaystv/>



ШКОЛА
ФЕРМЕРА





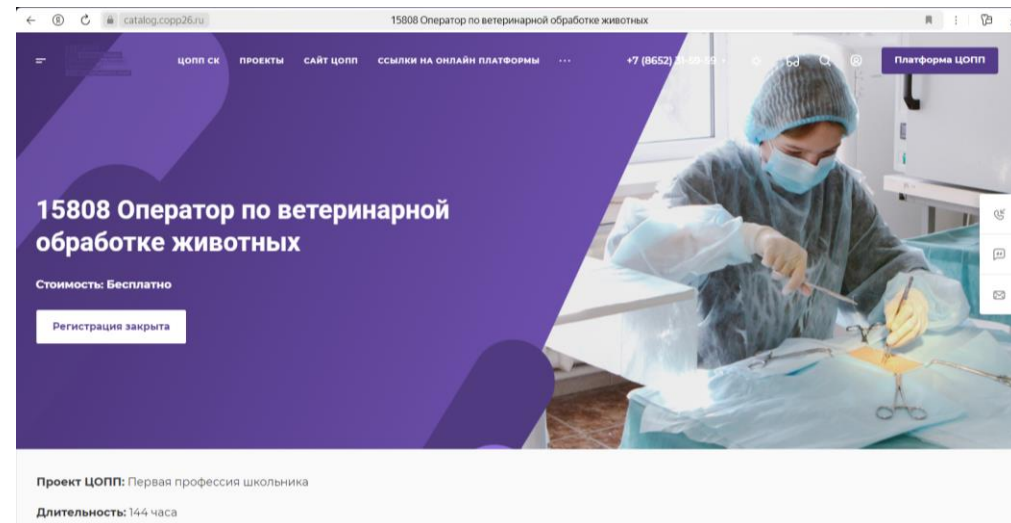
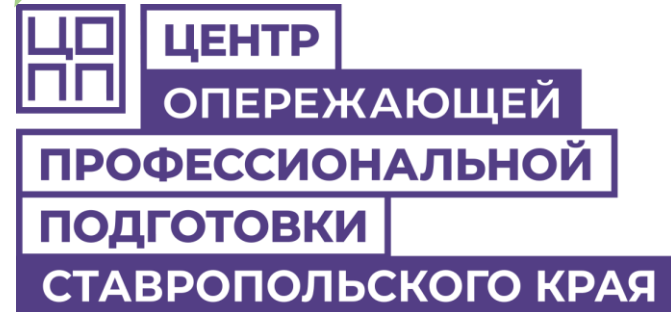
CAPT of the Stavropol Territory is a universal navigator on the education and labor markets



The main task of the Center is to coordinate the use of material, technical and human resources of educational institutions in the region for the education of children and adults in accordance with the prospects for the development of the economy of the country and the region.

The Center implements a number of free educational programs for children and adults :

- <https://catalog.copp26.ru/shkolnikam/11695-gornichnaya/>
- <https://catalog.copp26.ru/shkolnikam/12680-kamenshchik/>
- <https://catalog.copp26.ru/shkolnikam/12901-konditer/>
- <https://catalog.copp26.ru/shkolnikam/15808-operator-po-veterinarnoy-obrabotke-zhivotnykh/>



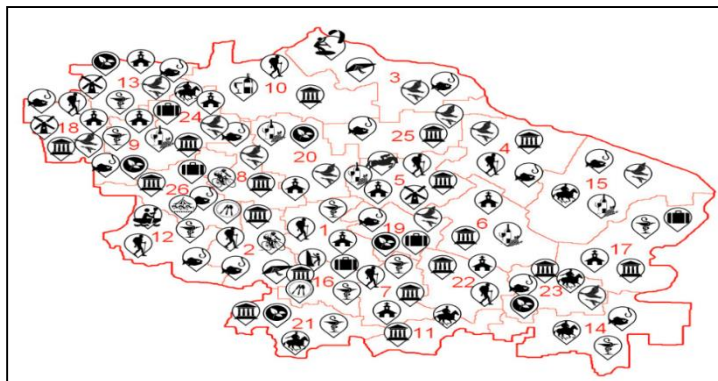


The project “Development of innovative types of tourism in Stavropol Krai”

1. Study and analysis of the resource potential of the region



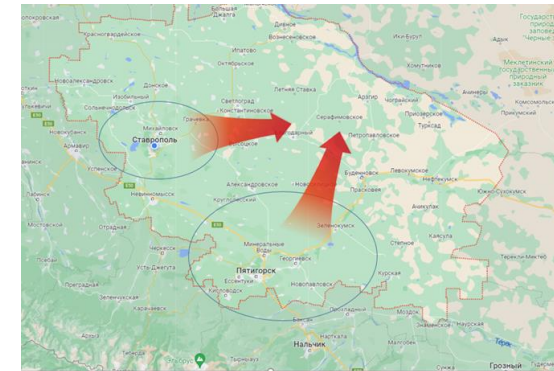
3. Ranking of different types of tourism by priority of development for the district



4. Creating a “Portrait” of a tourist KMV (CMW) and positioning of the behavior



2. Adjusting the direction of tourist flow throughout Stavropol Krai



Strategic objectives

- Increase the tourist flow to 5 million in the region
- Development of indirect 54 industries
- Increase the number of job positions in tourism to 45 thousand people

Number of job positions in the tourism sector, %

WORLD

9,1

RF

3,4

SK

4,5



Scopus

РОССИЙСКИЙ ИНДЕКС
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Science Index

1 NO
POVERTY



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РОССИЙСКИЙ ИНДЕКС
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Science Index



1 NO
POVERTY





2 ZERO
HUNGER



Goal 2: Zero Hunger

Goal 2: Zero Hunger

Modern trends in the development of agriculture determine the directions of research and development and educational programs in SSAU



GENETICS AND ACCELERATED BREEDING



BIOLOGIZED AND ORGANIC AGRICULTURE



BIOTECHNOLOGIES



AUTOMATED UNMANNED COMPLEXES AND
PRECISION FARMING



DIGITALIZATION AND THE ROBOTIZATION OF
AGRICULTURE



According to 12 new Bachelor's and Master's degree programs for training personnel ensuring the sustainable development of agriculture, in 2023 the university carried out recruitment for the following educational programs :



- 35.04.04 Agronomy (Biologized technologies in traditional and organic agriculture);
- 35.04.04 Agronomy (Integrated plant protection system from harmful organisms);
- 35.03.06 Agro-engineering (Automation and robotization of technological processes);
- 35.04.06 Agro-engineering (Traditional and renewable energy of agro-industrial complex);
- 43.03.01 Service (Organization of machinery and equipment service);
- 38.03.01 Economics (Accounting and analytical support digital Economy);
- 38.03.01 Economics (Corporate Accounting and Financial Management);
- 38.05.01 Economic security (Economic and legal security of the state and business);
- 38.04.01 Economics (Accounting and tax consulting);
- 38.04.02 Management (Accounting, control and management in public sector organizations);
- 38.03.02 Management (Marketing);
- 38.04.01 Economics (Economics and business in the context of digitalization).

80 recruitment programs for 2023 (Bachelor's degree, Specialty and Master's degree) were updated taking into account the development of entrepreneurial competencies, the requirements of the labor market, the development of equipment and technologies in the following areas:

- **biologization of agriculture;**
- **intensification of the livestock industry of Stavropol Krai;**
- **sustainable socio-economic development of rural and specially protected ecological and resort areas of the North Caucasus Federal District.**

Priority scientific directions

Scientific research and development

35 scientific schools and directions
on **11** branches of science

6 land plots **9451,6 ha**

The main topic

development of a resource-saving biologized farming system that ensures an increase in plant yields and animal productivity, a reduction in the cost of production and an increase in the profitability of agricultural production, as well as an increase in soil fertility and an improvement in human habitat

Strategic projects



Breeding and genetics of dairy cattle



Breeding and nursery of fruit and berry crops.
Digitalization and biologization of agriculture



Integrated rural development



Agrokadry-2030 (HUB of educational, digital and human resources technologies in agriculture)

Strategic projects in the field of biotechnology and sustainable development



**Esaulko
Alexander Nikolaevich**

Director of the Institute of
Agrobiology and Natural
Resources



**BREEDING AND GENETICS
IN CROP PRODUCTION.
BIOLOGIZATION OF AGRICULTURE**



Provision of planting material and
new varieties of fruit and berry
crops



**Oleinik
Sergey Alexandrovich**

Professor of the Department
of Zootechnics, Breeding of
animals



**BREEDING AND GENETICS
IN ANIMAL HUSBANDRY**



Analysis of the genetic potential of
dairy cattle and creation of a
breeding core



**Kusakina
Olga Nikolaevna**

Dean of the Faculty of
Economics



**SUSTAINABLE RURAL
DEVELOPMENT**



Monitoring the effectiveness of state and
regional rural development programs



Agrobiotechnology Center



Mother plantings



0.2 ha of berry crops



0.5 ha of clonal rootstocks



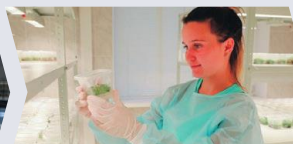
1.0 ha of mother-cuttings garden



Production of virus-free seedlings



Laboratory of Biotechnology



2 light rooms



Greenhouse complex 0.3 ha



Approbation of the produced seedlings



0.12 hectares of Trellis garden



0.14 hectares of Strawberries

I stage (2021-2024)

Development of technology for accelerated production of virus-free planting material

Product results

- ◆ 9 thousand of virus-free rootstocks of fruit crops
- ◆ 2 thousand of raspberry and blackberry seedlings
- ◆ 2 thousand of pieces of virus-free strawberry planting material
- ◆ 4 new biologics



2 Bachelor's degree programs

Agronomy – Genetics and breeding
Horticulture – Fruit growing, vegetable growing and viticulture

3 Master's degree programs

- Agrobiotechnology in horticulture and nursery production
- Biologized technologies in traditional and organic farming
- Integrated protection and nutrition system for vegetable crops in protected ground

1 special Master's degree program

7 APE programs

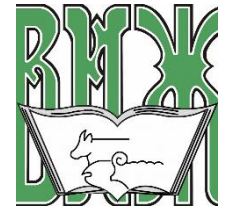


One of the key problems of animal husbandry in Russia is the insufficient efficiency of the national dairy cattle industry, high dependence on imports of genetic resources from ICAR member countries. In this regard, the university implements **strategic project for the development of breeding, genetic and technological tools for the formation of export-oriented dairy cattle breeding.**





Partners



- ✓ Laboratory of Molecular Genetic Examination
- ✓ Laboratory of milk quality control



Institute of Agricultural Genetics and Breeding

- Genetic certification of 6,000 breeding cows

- 100% of the heads of breeding cattle in the region in the milk quality monitoring system

- A regional program of genetics and breeding of cattle for 2024-2026 has been developed.

- Co-developers of the methodology for assessing the exterior and dairy data of cattle



Strategic project “Breeding and nursery breeding of fruit and berry crops, digitalization of agriculture”

Problems of sustainable development of agriculture that led to the launch of the project

in the field of breeding and nursery breeding

- **Lack** of clean lines of high reproductions of planting domestic material for high-intensity gardening
- **Dependence** of domestic agricultural producers on imports of seed and planting material



- **Shortage** of qualified specialists in the field of horticulture and horticulture of fruit and berry crops

in the field of digitalization and biologization of agriculture



- **Reduction** of ecological sustainability of agricultural landscapes and deterioration of the phyto-sanitary condition of crops

- **Degradation** of soil cover and reduction of soil fertility (negative balance of nutrients 100-120 kg/he)
- **68%** of the land areas of the region are subject to water and wind erosion
- Desertification processes are observed on an area of **500 thousand hectares**

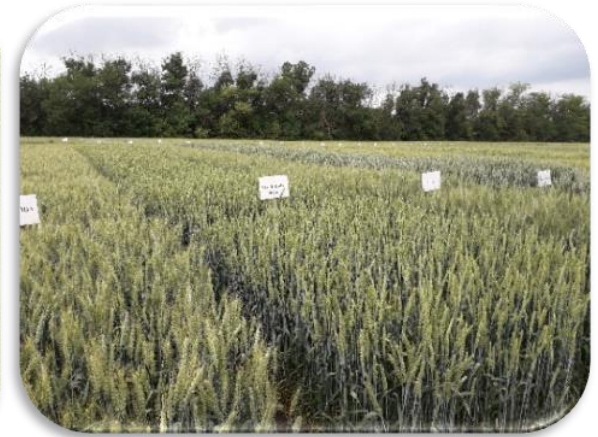


- **Low level** of application of digital technologies in agriculture



Selection and seed production of agricultural crops: results

- **Creation of a Center for Breeding and Seed production**
- Breeding machinery and equipment purchased
- The network educational program of the master's degree "Selection and seed production of agricultural crops" has been opened with **FSBSI "North Caucasian FNAC"**
- **A patent for a variety of winter wheat FIB 5 was obtained**
- Testing of new hybrids and varieties of agricultural crops together with **Soyuszsemsekla, Agroplasma , "Corn Research Institute"**
- Creation and implementation of adapted, complexly resistant varieties, hybrids, forms and lines of agricultural crops
- **Applications for patents for new varieties have been filed: amaranth "Vector", annual white clover "Stavropol", winter soft wheat "Kumanochka", triticale from the North Caucasian FNAC, Dagestan State Agrarian University**
- A variety study of 42 varieties of grain and leguminous crops of various breeding centers is being conducted together with **"State Transport Commission"**





Corn

- joint adaptation of educational programs
- organization of internships for students
- a platform for testing varieties



МИРАТОРГ

Sugar beet

- creation of a joint laboratory for breeding and genetics
- joint adaptation of educational programs
- organization of internships for students
- a platform for testing varieties



СОЮЗ
СЕМСВЕКЛА

Fruit trees

- joint work on the organization of fruit nurseries
- microcloning of varieties and planting material of fruit crops
- creation of new varieties of rootstocks
- a platform for testing varieties



ЕВРОПЕЙСКИЕ
САДЫ

ЗАКАЗЧИКИ



the system for assessing the qualifications of agronomists in the territory of 12 regions of the Russian Federation



СТЕПЬ
АГРОХОЛДИНГ

development of new agricultural technologies for growing grain crops



ПЕТРОВСКОЕ

serial production of a dosing device for sowing complexes



ВКУС
СТАВРОПОЛЬЯ

microcloning of varieties and planting material of berry crops



Biologization and digitalization of agriculture: results

- **Master's degree programs are open**
"Biologization of agriculture in organic and traditional agriculture", "Integrated plant protection systems from harmful organisms", "Integrated protection and nutrition system of vegetable crops in protected soil" - network with **АИХ "EcoCulture"**
- Wins in the All-Russian competition "Student startup" - 4 million rubles.
- A precision farming laboratory
- A landfill for the production of organic fertilizers based on waste and vermicomposting.
- The study of the effectiveness of biological products in the system of protection of agricultural crops together with **Inopraktika LLC, Tambov Research Institute**
- **A digital model of agricultural land use**
- **Patents for 4 new multifunctional biological products**
- Recommendations have been developed for the introduction of elements of nature-like technologies for maintaining and restoring soil fertility
- We developed a technique for diagnosing the phytosanitary condition of agricultural crops based on hyperspectral analysis
- **Accredited laboratories in 6 regions have carried out research projects on an area of more than 500 thousand hectares**


ЭКОКУЛЬТУРА
АГРОПРОМЫШЛЕННЫЙ ХОЛДИНГ





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INFLUENCE OF FERTILIZERS ON PHOTOSYNTHETIC AND PRODUCTION CAPABILITY OF WINTER WHEAT UNDER MODERATE HUMIDIFICATION/Esaulko A., Pismennaya E., Golosnoy E., Ozheredova A., Klets V./Scientific Papers. Series: Management, Economic Engineering and Rural Development. 2023. Т. 23. № 4. С. 301-306.

PRODUCTIVITY OF WINTER WHEAT CULTIVATED BY DIRECT SEEDING: MEASURING THE EFFECT OF HYDROTHERMAL COEFFICIENT IN THE ARID ZONE OF CENTRAL FORE-CAUCASUS/Esaulko A., Sitnikov V., Pismennaya E., Vlasova O., Golosnoi E., Ozheredova A., Ivolve A., Erokhin V./Agriculture. 2023. Т. 13. № 1. С. 55.

SUSTAINING PERFORMANCE OF WHEAT-RICE FARMS IN PAKISTAN: THE EFFECTS OF FINANCIAL LITERACY AND FINANCIAL INCLUSION/Raza A., Tong G., Erokhin V., Bobryshev A., Chaykovskaya L., Malinovskaya N./Sustainability. 2023. Т. 15. № 9. С. 7045.

3 GOOD HEALTH AND WELL-BEING



**Goal 3:
Ensure healthy lives and
promote well-being for all at
all ages**



Infrastructure and services have been created at the university to promote a healthy lifestyle and the well-being of employees and students. Gyms and psychological services are available to everyone.

Programs are being implemented to involve employees in physical education and sports. In order to maintain your physical health, a favorable vitality, and enjoy communication, there are 14 sections at the University:

- basketball
- volleyball
- callanetics
- fitness
- aerobics
- pilates
- yoga
- mountain tourism
- football



The student sports club is engaged in popularization and promotion of an active lifestyle. It consists of more than **300 people**. The club's activists are multiple prize-winners of the North Caucasus Federal District, Russia, Europe and the world in various types of martial arts, team and personal sports.

<https://stgau.ru/students/sport?ysclid=m20o06i9au523532871>



The athletes' coach, teacher of the Department of Physical Education and Sports **Nina Mukhortova** became the absolute winner of the open bench press category, and a day earlier she was awarded the cup of the absolute champion of Russia at weightlifting competitions in senior age groups in the Kaluga region.

<https://clck.ru/3EFQBQ>



Volleyball players from Stavropol won the interuniversity World Championship in Paris

<https://www.stav.kp.ru/online/news/5530542/>





The leadership of Stavropol State Agrarian University has traditionally paid for activists to travel to the Black Sea coast.

This year, **250 of the most active students** vacationed at sea. In total, three shifts of five days took place at the Bereg Roz Park Hotel in Gelendzhik.

The university paid for transportation costs, accommodation in cottages on the first coastline and three meals a day.

<https://dzen.ru/a/Zpp1LajFCID-x3Bg>

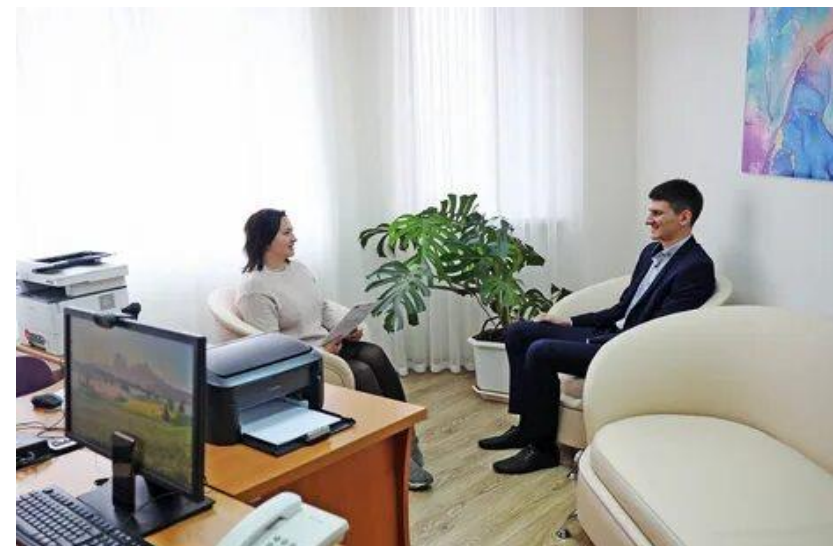


The purpose of the psychological service is to preserve the mental and psychosomatic health of students, the formation of a conscious and responsible attitude to their health.

Make an appointment for a consultation by phone: 31-59-46.

The psychologists' office was equipped with new equipment. In particular, a diagnostic system and a set for audiovisual stimulation will be used for the rehabilitation of those who have applied for moral help. The psychological center includes a mobile laboratory.

- <https://vk.com/@stavropolsky-rss-663078993-1705628518>
- <https://clck.ru/3EFSEA>
- <https://clck.ru/3EFSDE>



World Health Day

SSAU celebrated World Health Day On April 7, on World Health Day, many sports events took place at all sports grounds of SSAU.

- <https://moeobrazovanie.ru/publikacii/novosti/108063.html>



Scopus

РОССИЙСКИЙ ИНДЕКС
НАУЧНОГО ЦИТИРОВАНИЯ



Science Index

3 GOOD HEALTH
AND WELL-BEING



PSYCHOLOGICAL AND ENVIRONMENTAL WORKPLACE WELL-BEING'S STRUCTURAL MODEL OF THE UNIVERSITY SCIENTIFIC AND PEDAGOGICAL STAFF/Filimonyuk L., Uzdenova A., Alizhanova Kh., Demchenko N., Ivashova V./E3S Web of Conferences. 2023. C. 06015.

THE MODEL OF INFORMATIVE ORDERING IN THE ANALYSIS OF SOCIO-PSYCHOLOGICAL PROCESSES/Pichugin Yu.A., Ivashova V.A., Chudnova O.A., Nadtochiy Yu., Makhova I.N./: E3S Web of Conferences. International Scientific and Practical Conference "Environmental Risks and Safety in Mechanical Engineering" (ERSME-2023). Rostov-on-Don, 2023. C. 05046.

MODELING THE WELL-BEING OF THE POPULATION AND ITS FACTORS USING THE WELL-BEING INDEX/Rutsky V.N., Fukalyak A., García D.S., Denisova E., Okashev N.A., Devederkin I.V., Bystrova N.V., Eliseeva E.N., Tsarev R./Lecture Notes in NetWorks and Systems. Proceedings of 12th Computer Science On-line Conference 2023. Czech, 2023. C. 605-614.

EFFICIENCY OF HIGH-INTENSITY GAIT TRAINING IN THE REHABILITATION OF POST-STROKE PATIENTS/Kireyev I.V., Zhabotynska N.V., Andriukhin D.A., Sydorчук M.Yu., Tsemenko K.V., Liashok A.L./Acta Balneologica. 2023. T. 65. № 5. C. 271-275.

STUDY OF THE UROANTISEPTIC ACTIVITY OF THE COMPLEX OF GLYCOSIDES OF PHENOLIC COMPOUNDS FROM LINGONBERRY LEAVES IN COMPLEX WITH THE ARGININE AMINO ACID/Tsemenko K., Tolmacheva K., Kireyev I., Vladymyrova I., Zhabotynska N./ScienceRise: Pharmaceutical Science. 2023. № 4(44). C. 39-45.

THE ROLE OF A CLINICAL PHARMACIST IN IMPLEMENTING MODERN GUIDELINES FOR THE PHARMACOTHERAPY OF ARTERIAL HYPERTENSION/Kireyev I.V., Zhabotynska N.V., Tsemenko K.V., Bakumenko M.G., Olishchuk I.P./Social Pharmacy in Health Care. 2023. T. 9. № 4. C. 31-38.

HE STUDY OF THE CHEMICAL COMPOSITION AND THE ANTI-INFLAMMATORY ACTIVITY OF DRY EXTRACTS FROM LARGE CRANBERRY LEAVES/Vlasova I.K., Botsula I.V., Kireyev I.V., Koshovyi O.M./News of Pharmacy. 2023. T. 105. № 1. C. 8-13.

THE SUBSTANTIATION OF THE ROLE OF A CLINICAL PHARMACIST IN PREVENTING ANTIBIOTIC RESISTANCE/Kireyev I.V., Tsemenko K.V., Zhabotynska N.V., Tolmachova K.S./Social Pharmacy in Health Care. 2023. T. 9. № 4. C. 70-76.



Scopus

РОССИЙСКИЙ ИНДЕКС
НАУЧНОГО ЦИТИРОВАНИЯ



Science Index

3 GOOD HEALTH
AND WELL-BEING



MODELLING AN EXPERIMENTAL SYSTEMIC PSEUDOMONAS INFECTION PROCESS/Shakhova V.N., Svetlakova E.V., Belyaev V., Kastarnova E.S., Orobets V.A., Gvozdetsky N.A./В сборнике: E3S Web of Conferences. EBWFF 2023 - International Scientific Conference Ecological and Biological Well-Being of Flora and Fauna (Part 1). 2023. С. 05004.

SPIRITUAL AND MORAL VALUES IN THE PROFESSIONAL CULTURE OF A MODERN TEACHER/Tufanov E.V., Lesnykh Ju., Kravchenko I., Zvereva L.G., Ivashova V.A./В сборнике: E3S Web of Conferences. EBWFF 2023 - International Scientific Conference Ecological and Biological Well-Being of Flora and Fauna (Part 1). 2023. С. 06010.

STUDY OF THE EFFECT OF A COMPLEX OF PREPARATIONS CONTAINING ALOE ARBORESCENS MILL EXTRACT ON THE QUALITY AND QUANTITY OF SPERM/Dadaeva M.M., Zhuravleva V.V., Osipchuk G.V., Bradu N.G., Djenjera I.G., Ziruk I.V., Mikhailenko V.V., Povetkin S.N./Entomology and Applied Science Letters. 2023. Т. 10. № 1. С. 89-95.

ASSESSMENT OF THE MODERN YOUTH'S COMMITMENT TO ORGANIC FOOD PRODUCTS AS THE BASIS OF THE MANUFACTURERS' MARKETING STRATEGY/Aydinova A., Skabayeva G., Gunko Ju., Tenishchev A., Ivashova V./В сборнике: E3S Web of Conferences. XI International Scientific and Practical Conference Innovative Technologies in Environmental Science and Education (ITSE-2023). EDP Sciences, 2023. С. 09001.

POTENTIAL OF AGRICULTURAL UNIVERSITIES IN THE DEVELOPMENT OF ORGANIC FARMING IN RUSSIA/Trukhachev V.I., Verzunova L.V., Migunov R.A./В сборнике: BIO WEB OF CONFERENCES. International Scientific and Practical Conference "AGRARIAN SCIENCE - 2023" (AgriScience2023). EDP Sciences, 2023. С. 14007.

CONFERENCES. International Scientific and Practical Conference "AGRARIAN SCIENCE - 2023" (AgriScience2023). EDP Sciences, 2023. С. 14007.

4 QUALITY EDUCATION



**Goal 4:
Ensure inclusive and
equitable quality
education and promote
lifelong learning
opportunities for all**

Stavropol SAU today

Institutes and faculties

10



postgraduate study

22

specialties



The best university in the North
Caucasus (52th place in Russia)

приоритет2030[^]

лидерами становятся

Territorial and/or industry leadership

higher education

44+44

courses and specialties



SPE

19

specialties



Subject ratings "Three missions of the
University": agriculture (top 3 in Russia)



Targeted training of personnel for key
sectors of the economy



Winner of the EFQM
"Excellence Award - 2016" Prize



3-time winner of the award

Strategic goal

Achieving leadership in agricultural education that meets the current and future needs of the individual, society and the state, equally accessible to all potential target audiences through the formation of a single open educational space for training personnel capable of effectively implementing the tools of innovative, technological and digital transformation of the agro-industrial complex, contributing to the sustainable spatial development of the South of Russia

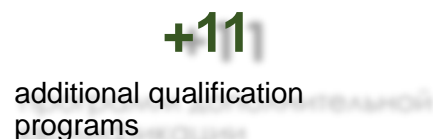
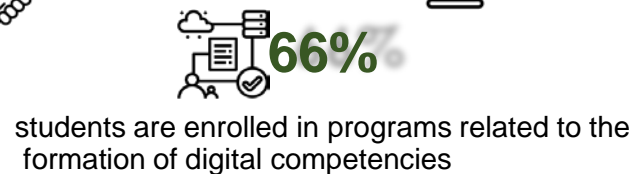
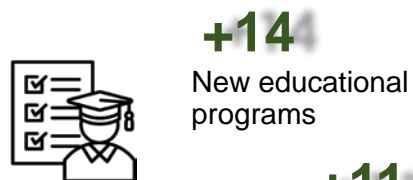
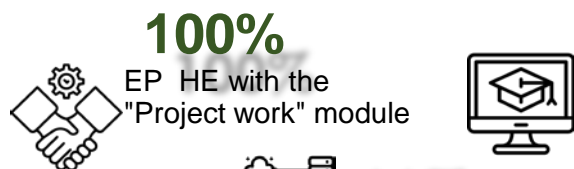
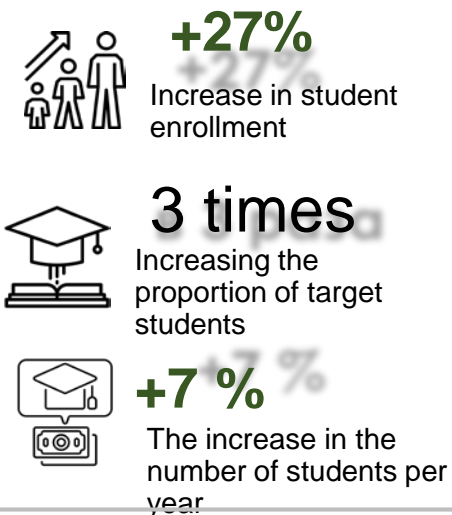


Key priorities and directions

1. Formation of the infrastructure of the program "Agroinopolis-2030" in order to conduct early career guidance work for the self-determination of schoolchildren of Stavropol Krai in choosing future professional activities
2. Modernization of the content, technologies and conditions for the implementation of educational programs "Agrokadry-2030" aimed at training qualified personnel for the implementation of socio-economic development strategies of the region and national projects of Russia
3. Formation of conditions for the introduction of advanced educational technologies that allow for creative, educational, educational and volunteer practices of the strategic program "Agroinopolis-2030»
4. Creating conditions for the implementation of project activities in the field of biologization, animal genomics, digitalization, territorial development, involving the implementation of full life cycle projects by students within the framework of formal and informal education
5. Improving the system of involving University partners in the development of professional socialization, employment and building a professional career of graduates during the implementation of the Agroinopolis-2030 program

Educational policy 2021 – 2024

Current situation



Organizational structure

3
Institutes

- Agrobiology and natural resources veterinary and biotechnology agricultural genetics and breeding

1
faculty

- Information technology

Management of innovative educational programs

Aspirations

приоритет2030^

лидерами становятся



100 %

Strengthening industry specifics

50 %

Increasing the target enrollment of students

1,5 times

Increased

+7%

Average exam score

The toolkit

Online educational programs

- broadcasting best practices deficits - benefits increasing the attractiveness of EP



Global agricultural markets



ФИНАНСОВЫЙ УНИВЕРСИТЕТ

Digital finance and accounting technologies

ЭКО-КУЛЬТУРА

Integrated protection and nutrition system for vegetable crops in protected ground



Tourism Economy * EP of two diplomas

2024*



Modern breeding and genetic research methods in animal husbandry

EP

Widespread

Elite

- Digital content development
- Additional qualifications
- Project activities
- Variability of exams

- Network forms of implementation
- Digital content development
- Transfer of results of strat-projects
- Variability of exams

Digital content development

- development of our own online courses and testing of the blended learning model

20

online courses

938

students

41

programs HE



Additional qualifications

- The project "Digital Department" Additional qualification within the framework of the GEP APE programs

5

программ ЦК

31

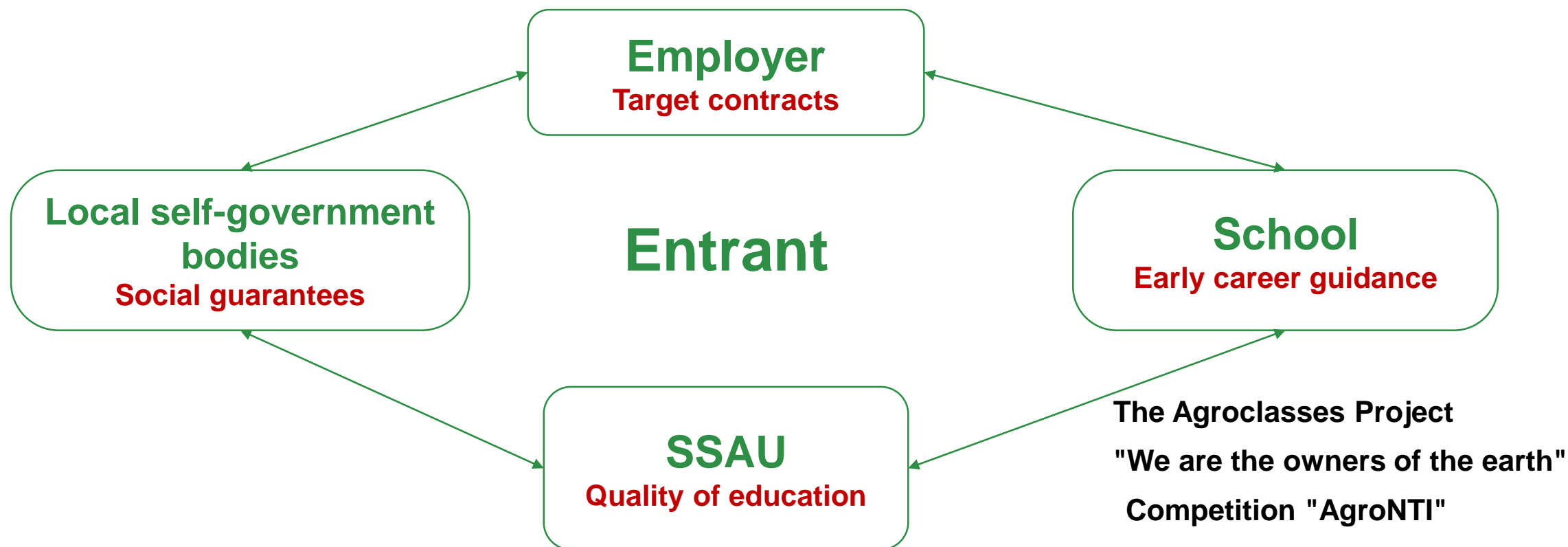
программ доп.квалификации

Transfer of results of strat-projects

The launch of new educational programs for higher education in the areas of strat-projects: knowledge transfer + training for AE
Educational programs as a tool for AE

The system of personnel support of the economy on the basis of the university

BASIC DEPARTMENTS AT THE SITE OF INDUSTRIAL PARTNERS



Dynamics of the initiative implementation

- ❑ **Implementation of the profile agricultural shift "We are the owners of the Land!"**
 - 26 municipal districts of Stavropol Krai;
 - 312 students of grades 8-11.
- ❑ **The project "The first profession of a pupil"**
 - 4 training programs;
 - 307 students of grades 8-11.
- ❑ **Seasonal Schools Project**
 - 26 municipal districts of Stavropol Krai;
 - 243 students of grades 8-11.



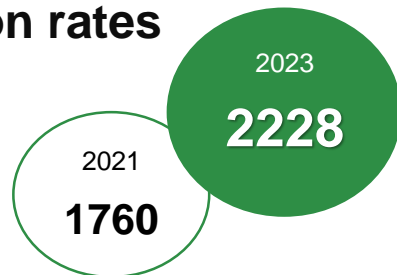
Immediate plans 2023-2024

- ❑ **Implementation of the first wave of the Agroclasses project in five territories of Stavropol Krai;**
- ❑ **Scaling of projects "We are the owners of the Earth!" and "Seasonal schools" with the support of the Government of Stavropol Krai in order to increase the coverage of schoolchildren;**
- ❑ **Strengthening work with talented applicants**
 - Interaction with the Russian Movement of Children and Youth "Movement of the First";
 - Implementation of joint projects and initiatives with the Sirius 26 Regional Center for Identifying, Supporting and Developing the Abilities and Talents of Children and Youth of Stavropol Krai;
 - Development of our own university Olympiad for schoolchildren.

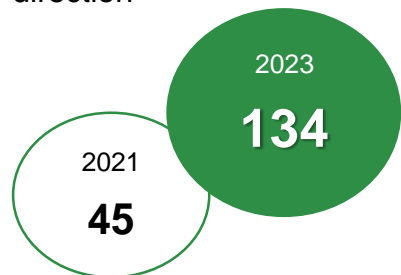


Increase in admission rates

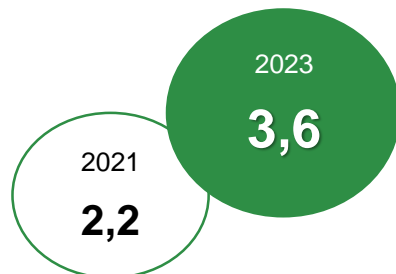
Total student enrollment increased by **26,7%** compared with the indicators of 2021



in **3** – increase in the number of students studying in the target direction



in **1,6** – increase in the share of foreign applicants, %



Opening of new directions and training profiles

2021



2022



2023



Independent assessment of qualifications

Professional and public accreditation of educational programs (PPA EP) – according to 6 GGSS –

- 05.00.00 Earth Science (1 program);
- 09.00.00 Computer Science and Computer Engineering (3 programs);
- 13.00.00 Electrical and thermal power engineering (3 programs);
- 23.00.00 Land transport engineering and technology (2 programs);
- 35.00.00 Rural, forestry and fisheries (1 program);
- 38.00.00 Economics and Management (10 programs).

According to the results of the POA, **20 certificates** of professional and public accreditation of educational programs for a period of 6 years were received from the Union "Chamber of Commerce and Industry of the Stavropol Territory". As of 31.12.2023, **66.6%** of the University's implemented educational programs have professional and public accreditation.



Национальный центр
профессионально-общественной
аккредитации

The effective assessment of the completion of the PPA in all accredited educational programs ranges from **89.58% to 97.30%** out of 100%.

The register of educational programs of SSAU with PPA is publicly available (<https://best-edu.ru/accreditations>)

STRATEGIC GOAL AND PROJECTS AGROINOPOLIS DEVELOPMENT PROGRAMS– 2030

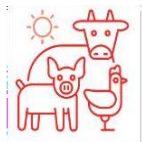
The strategic goal is to transform into an entrepreneurial type university, integrating agro–drivers (biologization of agriculture, breeding, animal genomics, digitalization, advanced training) into the processes of ensuring sustainable development of the agro-industrial complex



СЕЛЕКЦИЯ И ГЕНЕТИКА
В РАСТЕНИЕВОДСТВЕ.
БИОЛОГИЗАЦИЯ ЗЕМЛЕДЕЛИЯ



Обеспечение посадочным
материалом и новыми сортами
плодовых и ягодных культур



СЕЛЕКЦИЯ И ГЕНЕТИКА
В ЖИВОТНОВОДСТВЕ



Анализ генетического потенциала
молочного КРС и создание
племенного ядра



УСТОЙЧИВОЕ РАЗВИТИЕ
СЕЛЬСКИХ ТЕРРИТОРИЙ



Мониторинг эффективности
государственных и региональных
программ развития сельских территорий



Expert analysis of
agroindustrial
complex
personnel
Stavropol
Territory –
shortage of
personnel in the
agro-industrial
complex, the
need to form a
competence map



АГРОКАДРЫ 2030



Creation of a personnel
training system for the
agroindustrial complex of
the North Caucasus
Federal District

Цифровая
платформа

Система наращивания
сквозных
компетенций
кадров АПК 4.0

Экспертно-
аналитический
центр think tank
АПК СКФО

Directions for the development of AEP programs :

Gardening and nursery
management

Breeding and genetics

Development of agricultural territories

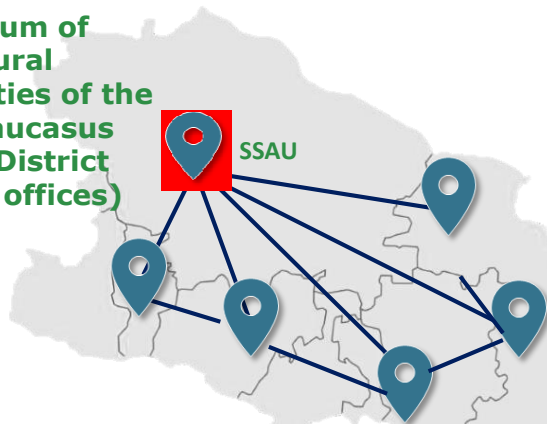
Biotechnology

Business analysis, forecasting and
modeling of technical processes

Employers'
requests – the
need to develop
priority areas

Purpose: to create a personnel training system for the agricultural sector of the north caucasus federal district

Consortium of Agricultural universities of the North Caucasus Federal District (project offices)



Forming partnerships with current and future leaders of the agricultural sector of the economy



5,000 annually
Coverage of the population of rural areas with continuing education

The level of provision of agricultural organizations in the region with highly qualified specialists (agents of change)

75%

250 industry-specific advanced training courses by 2030

Приоритетные направления

Digital platform



50+

implemented projects of graduates of the AGROLEADER personnel reserve

10 ТЫС.

active users

65%

the level of provision of agricultural organizations in the region with mid-level specialists

Creation and development of a global system for the search, attraction, selection and development of talented specialists for the agro-industrial complex market

The system of building end-to-end competencies of agroindustrial complex 4.0

Think tank Expert and Analytical Center of the NCFD Agroindustrial Complex



10

personnel growth roadmaps

A pool of experts working with the modern agenda of the agro-industrial complex

30

analytical research of personnel support

2021 – 2024 гг Курсы обучения



- более 70 программ
- более 10 000 слушателей
- более 50 партнеров

Составить свою программу

Название курса

Все программы

Школьникам

Студентам

Взрослым

Работодателям

Преподавателям

Возраст 50+



Повышение квалификации

Оффлайн

Организация работы ассистентской службы в составе лаборатории селекционного контроля качества молока, порядок аккредитации лаборатории

Курс зоотехнии для профессионалов, включая учет молочной продуктивности и организацию племенного хозяйства, а также повышение уровня ветеринарных и зоотехнических навыков.

35000 руб

О ПРОГРАММЕ



Повышение квалификации

Онлайн

Организация селекционно-племенной работы в животноводстве

Курс направлен на изучение вопросов селекции, генетики и биотехнологий в животноводстве, современных технологий содержания и кормления сельскохозяйственных животных для выведения, совершенствования и сохранения пород, типов, линий животных. Программой преду...

15000 руб

О ПРОГРАММЕ

ФИЛЬТР

Компетенция

Проект ЦОПП

Длительность

Центр обучения

Населенный пункт

Вид программы

Формат обучения

Уровень сложности

Доступно лицам с ОВЗ

THE PURPOSE OF THE PROJECT

ensuring the necessary level of professional competence of employees of the agronomic service



TASK 1.

Development of a professional competence profile for employees of the agronomic service of the State Agricultural Enterprise of Rusagro Group



TASK 2.

Development and evaluation of hard skills for employees of the agronomic services of of Rusagro Group

TARGET AUDIENCE



200 employees

Belgorod, Oryol, Kursk, Tambov regions, Primorsky Krai

STAGES



Development :

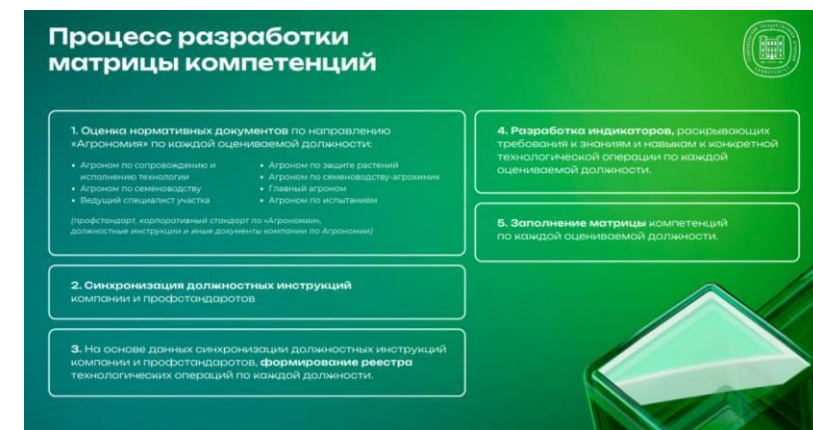
1. Knowledge and skills matrices for each position
2. Criteria for assessing professional knowledge and skills
3. Professional knowledge testing, at least 200 questions in the field of "Agronomy".
4. Cases and questions on technological operations for conducting interviews on professional knowledge, at least 2 cases and 3 questions for each technological operation
5. Checklist for assessing practical skills



Implementation :

1. Conducting interviews on competencies
2. Assessment of the practical skills of the project participants

РЕЗУЛЬТАТ



Opportunities for schoolchildren: gratuitous projects and programs

Field educational project Accomplishment

- 5 departures
- 3 formats of the event
- 750 participants



School Olympiads

- Final on for high school students
- Olympiad and SPS SK meeting All-Russian competition among students of educational institutions of rural settlements and small towns "AgroSTE"



Agroclasses

- SSAU is the regional operator of the project
- 6 pilot territories
- Students of grades 8-11



A series of career guidance videos "At our agrarian University"

- 7 videos
- 8 winners of contests
- >135,000 views



The cycle of educational projects

- School of Personal Growth
- School of non-formal education
- Media School
- School of leadership skills
- School of Social Design
- School of Agriculture
- School of Volunteer Activity
- School of tutors
- School of Elders
- School of the young scientist



Adaptation of freshmen

- Scaling the asset camp for freshmen to 1000 participants
- The work of first-year students with the tutor corps during the year
- Creation of a psychological service



The student government system

- Creation of the Council of Elders
- Creation of the Council of Residents
- Creation of an association of mentors of international students



Creation of youth spaces

- Opening of a student coworking
- Opening of the PTK coworking
- Opening of a student coffee shop





Scopus

РОССИЙСКИЙ ИНДЕКС
НАУЧНОГО ЦИТИРОВАНИЯ



Science Index

4 QUALITY
EDUCATION



THE INFRASTRUCTURAL ROLE OF EDUCATION IN THE SOCIAL AND INVESTMENT MODEL OF ECONOMIC GROWTH: THE SPECIFICS OF EMERGING MARKETS/Semenova G.N., Krupnov Yu.A., Kostyukova E.I., Satsuk T.P./Frontiers in Education. 2023. T. 8. C. 1154147.

REGIONAL STRATEGIC PARTNERSHIP'S DEVELOPMENT IN THE PREPARATION OF GRADUATES OF THE UNIVERSITY EDUCATIONAL PROGRAM "STATE AND MUNICIPAL ADMINISTRATION"/Shevchenko E., Nazarenko A., Mukhoryanova O., Svistunova I., Ivashova V./В сборнике: E3S Web of Conferences. XI International Scientific and Practical Conference Innovative Technologies in Environmental Science and Education (ITSE-2023). EDP Sciences, 2023. C. 09004.

MODELING OF STRATEGIC MANAGEMENT OF BUSINESS PROCESSES OF PRODUCTION AND ENTREPRENEURIAL STRUCTURES/Shashlo N.V., Kotesova A.A., Kotesov A.A., Isaenko A.P./В сборнике: E3S Web of Conferences. XI International Scientific and Practical Conference Innovative Technologies in Environmental Science and Education (ITSE-2023). EDP Sciences, 2023. C. 07038.

INFORMATIZATION OF EDUCATION IN INDIA/García D.S., Patra I., Yanovskii A., Grinchenko V.A., Bystrova N.V., Ray S., Lamiaa B., Youssef Kh., Safarova N./В сборнике: Lecture Notes in NetWorks and Systems. Proceedings of 12th Computer Science On-line Conference 2023. Czech, 2023. C. 508-517.



Scopus

РОССИЙСКИЙ ИНДЕКС
НАУЧНОГО ЦИТИРОВАНИЯ



Science Index

4 QUALITY
EDUCATION



DESIGNING A PROFESSIONAL REQUEST OF THE REGIONAL FARMING COMMUNITY FOR INFORMATION-ANALYTICAL, CONSULTING AND RESEARCH SERVICES OF AGRICULTURAL EDUCATION/Aydinova A., Cherepukhin T.Yu., Isaenko A.P., Chvalun R.V., Ivashova V.A./В сборнике: E3S Web of Conferences. EBWFF 2023 - International Scientific Conference Ecological and Biological Well-Being of Flora and Fauna (Part 1). 2023. С. 03009.

DEVELOPMENT OF AN UP-TO-DATE COMPETENCY PROFILE OF THE HEAD OF THE UNIVERSITY EDUCATIONAL PROGRAM/Filimonyuk L.A., Ivashova V.A., Burlyaeva V.A., Demchenko N., Sorokina E./В сборнике: E3S Web of Conferences. Ural Environmental Science Forum “Sustainable Development of Industrial Region” (UESF-2023). Chelyabinsk, 2023. С. 08012.

DIGITAL COMPETENCIES OF HIGHER EDUCATION'S SCIENTIFIC AND PEDAGOGICAL STAFF IN RUSSIA: THE PRACTICE OF EMPIRICAL RESEARCH/Filimonyuk L., Ivashova V., Burlyaeva V., Bogdanova M., Litvinova E./В сборнике: E3S Web of Conferences. 2023. С. 05033.

THE USE OF DIGITAL EDUCATIONAL RESOURCES IN THE EDUCATIONAL PROCESS/García D.S., Otchesky I.E., Alkhafaji M.A., Keshta I., Gabrielyan Sh., Gevorgyan A./В сборнике: Lecture Notes in NetWorks and Systems. Proceedings of 12th Computer Science On-line Conference 2023. Czech, 2023. С. 478-485.

UPDATING THE PROFESSIONAL PROFILE OF THE MODERN TEACHER: THE RESULTS OF A REGIONAL STUDY/Filimonyuk L., Ivashova V.A., Ivanova N., Burlyaeva V.A., Demchenko N./В сборнике: E3S Web of Conferences. International Scientific Conference “Fundamental and Applied Scientific Research in the Development of Agriculture in the Far East” (AFE-2022). 2023. С. 05047.

5 GENDER EQUALITY



**Goal 5:
Achieve gender equality
and empower all women
and girls**

The University implements a **Strategy of Equality, Diversity and Integration**, as well as a **Policy of a fair wage scale to ensure gender equality**. One of the key directions of the university's development: improving the human capital management system in accordance with the concept of employee well-being management (Well-being) – providing favorable conditions for the implementation of all University work processes to maximize the potential of employees and achieve their personal and corporate success.

<https://old.stgau.ru/goals/gender/>



ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ
УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
«СТАВРОПОЛЬСКИЙ ГОСУДАРСТВЕННЫЙ АГРАРНЫЙ УНИВЕРСИТЕТ»



РЕКТОР
ФГБОУ ВО Ставропольский ГАУ,
профессор
И.В. АТАНОВ

СТРАТЕГИЯ РАВЕНСТВА, РАЗНООБРАЗИЯ И ИНТЕГРАЦИИ

СтГАУ стремится в своей деятельности развивать инклюзивную корпоративную культуру, которая способствует равенству, ценит разнообразие и поддерживает рабочую, учебную и социальную среду, в которой уважаются права и достоинства всех его сотрудников и студентов. В данной стратегии изложена приверженность СтГАУ к таким принципам, как равенство, разнообразие и инклюзивность во всех сферах своей деятельности.

Стратегия равенства, разнообразия и интеграции СтГАУ разработана с целью создания университета равных возможностей, для того чтобы интегрировать всех сотрудников и студентов в единую образовательную среду. СтГАУ при реализации данной стратегии опирается на знания преподавателей, сотрудников и студентов, принадлежащих к различным гетерогенным группам, идентифицирует

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ
УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
«СТАВРОПОЛЬСКИЙ ГОСУДАРСТВЕННЫЙ АГРАРНЫЙ УНИВЕРСИТЕТ»



РЕКТОР
ФГБОУ ВО Ставропольский ГАУ,
профессор
И.В. АТАНОВ

ПОЛИТИКА СПРАВЕДЛИВОЙ ШКАЛЫ ОПЛАТЫ ТРУДА ПО ОБЕСПЕЧЕНИЮ ГЕНДЕРНОГО РАВЕНСТВА

СтГАУ считает достижение цели устойчивого развития ООН по обеспечению гендерного равенства одним из своих ключевых приоритетов в управлении персоналом.

Это закреплено в политике занятости в отношении прекращения дискриминации на рабочем месте по расовому, социальному, гендерному, религиозному, национальному и иным факторам.

Университет внимательно следит за тем, чтобы решения о повышении заработной платы принимались исключительно от индивидуальных результатов работы и добросовестного исполнения рабочих обязанностей.

Оплата труда в СтГАУ осуществляется не по гендерной принадлежности сотрудника, а по результативности показателей деятельности сотрудника в соответствии с утвержденными KPI. KPI по каждой занимаемой должности включают согласованные стратегические показатели развития СтГАУ, стратегические показатели отраслевой принадлежности и показатели личного роста сотрудника в соответствии с его личным профилем благополучия.

Corporate training program for teaching staff



Professional development program developed by the staff of the Higher School of Economics



2 educational tracks :

- The school of a young teacher;
Digital Teacher's School



86 listeners

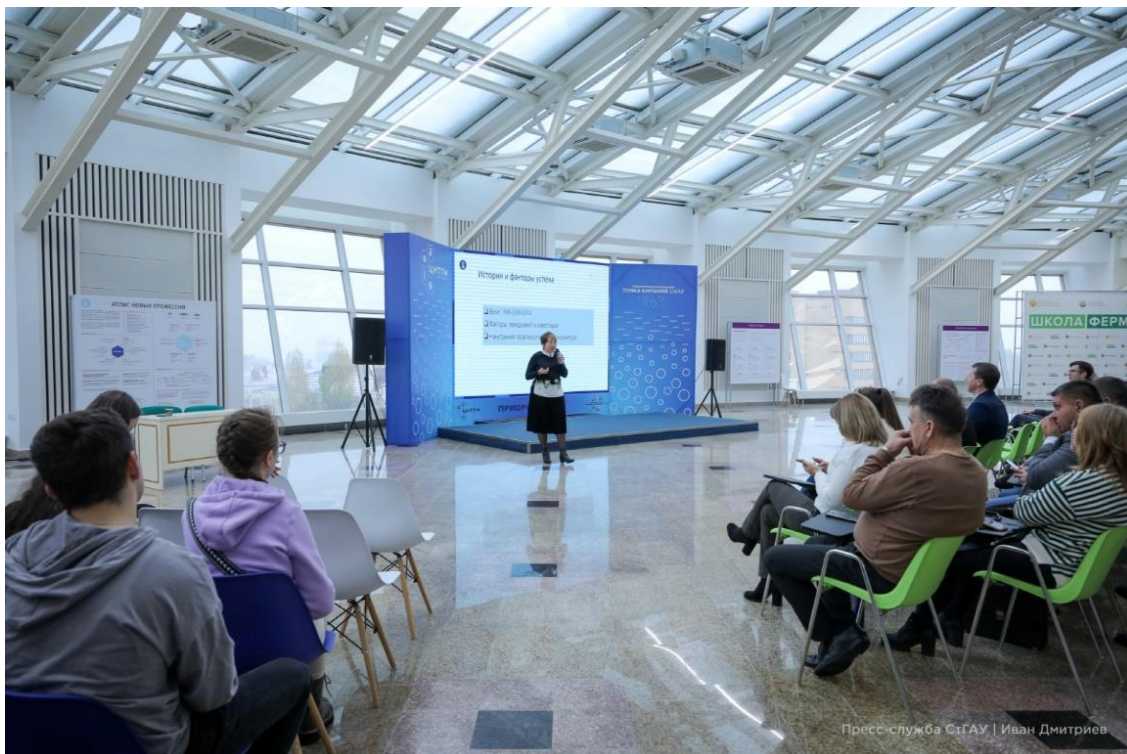


The complexity of each program

102 ac.h



Internship "Professional development of university teachers: a constructor of opportunities"



The internship is implemented by the HSE within the framework of the Priority 2030 program



2 levels:

- basic;
- project



60 people



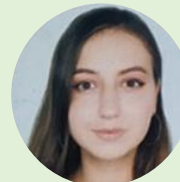
Duration of the internship :
2 weeks

Expected results :

- Allocation of professional tracks for staff (educational and methodological, research, practice-oriented)



In order to form the personnel reserve of the Institute of Agrarian Genetics and Breeding, 2 people were recruited within the framework of a network Master's degree program with MIPT in 2023-2024. with obligations of subsequent employment in the position of staff



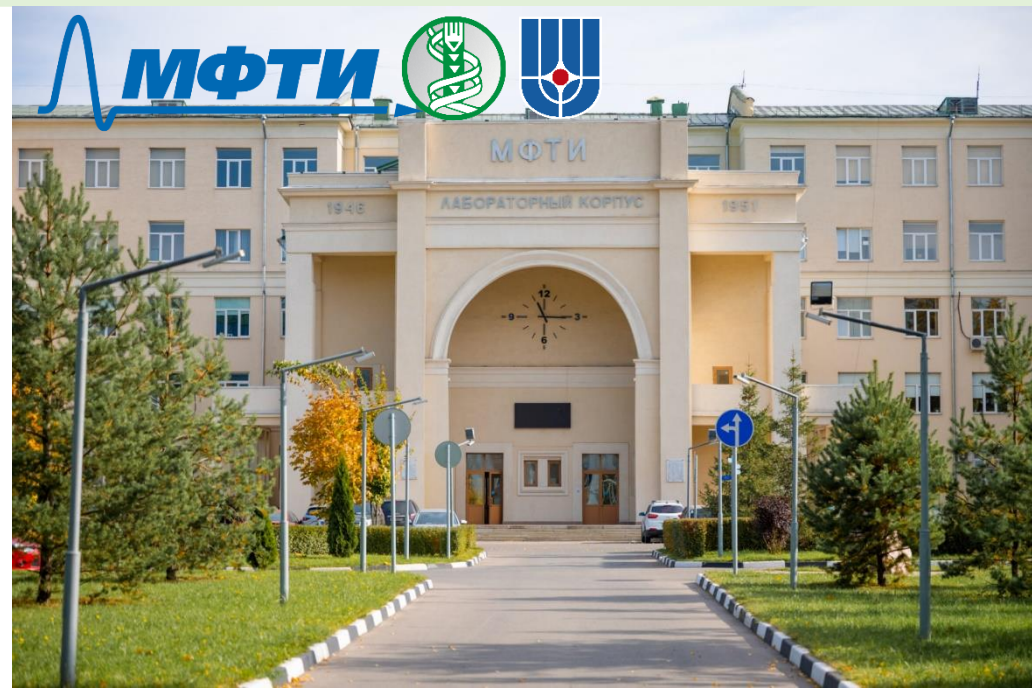
Alikberova Vera Ivanovna Research topic: "Methods of genetic transformation of stone fruits on the example of plums and cherries"



Dmitrieva Anna Ruslanovna Research topic: "CRISPR/Cas9 - mediated editing of the waxy gene (*Zea mays* L.)"

+ Conditions of study and employment

- free Master's degree at MIPT and the provision of accommodation and scholarships
- employment contract from 3 advanced scientific and innovative tasks participation in the design of laboratories
- work on the latest modern scientific equipment



Extended survey of staff on professional development trajectories

A survey of employees of the "**Professional development trajectories of the staff**" was organized and conducted (**86%** of the staff)



Blocks:

- » The attractiveness of university work
- » Employee engagement in the implementation of the Development Program
- » Preferred types of work activity
- » The level of professional competence of employees
- » Proposals for the development of the university

Improving the socio-cultural environment of the university, contributing to the early professionalization of young people and the formation of positive motivation to work to promote and strengthen the brand "**Graduate of SSAU - professional, leader, mentor**"

Dynamics of the initiative implementation

- Transformation of the student camp of the asset "Youth Leader of SSAU" into a permanent project "Successful start" for the formation of students' flexible competencies, the development of new areas of self-realization within the framework of agricultural professions
- Integration of **450** first-year students into active student life, involvement of **100** activists in the role of organizers. A pool of youth leaders among first-year students has been formed, the number of members of creative teams and student associations has increased

Immediate plans 2023-2024

- Strengthening the involvement of students of the Institute of Secondary Professional Education
- Improving the methodology of organizing and conducting the student award "Student of the Year of SSAU"





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Science Index

Psychological and environmental workplace well-being's structural model of the university scientific and pedagogical staff

Lyudmila Filimonyuk, Alina Uzdenova, Khapisat Alizhanova, Natalia Demchenko and Valentina Ivashova / E3S Web of Conf., 458 (2023) 06015

DOI: <https://doi.org/10.1051/e3sconf/202345806015>

The model of informative ordering in the analysis of socio-psychological processes

Yury Pichugin, Valentina Ivashova, Olga Chudnova, Yulia Nadtochiy and Irina Makhova / E3S Web of Conf., 376 (2023) 05046 /

DOI: <https://doi.org/10.1051/e3sconf/202337605046>

Consumer request of the parent community for transport service for schoolchildren

Valentina Ivashova, Alexander Isaenko, Marina Ponomarenko, Ludmila Zvereva and Sergey Kosnikov / E3S Web Conf., 371 (2023) 05049 /

DOI: <https://doi.org/10.1051/e3sconf/202337105049>

Professional well-being of university's scientific and pedagogical staff

Olga Lisova, Alexander Isaenko, Larisa Parsieva, Marina Ponomarenko and Valentina Ivashova

BIO Web Conf., 93 (2024) 03016 / DOI: <https://doi.org/10.1051/bioconf/20249303016>



6 CLEAN WATER AND SANITATION



**Goal 6: Ensure access to
water and sanitation for all**

The University's activities in the field of ensuring the availability and rational use of water resources and sanitation



The University organizes and conducts environmental control of its activities, including in the field of protection and use of water bodies.

The results of industrial environmental control are freely available on the University's website at the link:

<https://old.stgau.ru/goals/water/>

1. Общие сведения об организации и результатах производственного экологического контроля

Таблица 1.1. Общие сведения

№ п/п	Наименование данных	Данные
1	Полное наименование (сокращенное наименование) юридического лица или фамилия, имя, отчество (при наличии) индивидуального предпринимателя	Федеральное государственное бюджетное образовательное учреждение высшего образования «Ставропольский государственный аграрный университет» (ФГБОУ ВО Ставропольский ГАУ)
2	Наименование субъекта Российской Федерации, адрес юридического лица, место жительства индивидуального предпринимателя, с указанием почтового индекса	Юридический адрес: 355017, Ставропольский край, г. Ставрополь, пер. Зоотехнический, 12
3. ИНН	4. ОГРН (либо сведения о внесении записи в государственный реестр аккредитованных филиалов, представительств иностранных юридических лиц)	5. Наименование объекта, оказывающего негативное воздействие на окружающую среду (далее – объект)
2634003069	1022601993468	Площадка №1. Главный корпус университета совместно с территорией факультета агробиологии и земельных ресурсов и вспомогательных подразделений
6. Адрес места нахождения объекта	7. Код объекта	8. Категория объекта
г. Ставрополь, пер. Зоотехнический, квартал 112; ул. Мира, д. 302; 304/1; 306; 308; кадастровые номера земельных участков: 26:12:030114:13; 26:12:030120:10; 26:12:030120:33; 26:12:030120:32; 26:12:030120:31	07-0226-005214-П	III

3. Результаты производственного контроля в области охраны и использования водных объектов

Таблица 3.1. Сведения о результатах учета объема забора (изъятия) водных ресурсов из водных объектов и объема сброса сточных, в том числе дренажных, вод, их качества

Реквизиты письма (номер (при наличии) и дата), которым направлены сведения о результатах учета забора (изъятия) водных ресурсов из водных объектов и сброса сточных, в том числе дренажных, вод, их качества	Территориальный орган Росводресурсов, в который направлены результаты учета забора (изъятия) водных ресурсов из водных объектов и сброса сточных, в том числе дренажных, вод, их качества	Количество загрязняющих веществ, содержащихся в забранной (изъятной) воде из водного объекта (по каждому контролируемому загрязняющему веществу), тонн/год (заполняется в случае использования одного и того же водного объекта для забора воды и для сброса сточных вод)
1	2	
Не осуществляется пользование водными объектами		

Таблица 3.2. Сведения о результатах наблюдения за водными объектами (их морфометрическими особенностями) и их водоохранными зонами, а также о результатах учета качества поверхностных вод в местах сброса сточных, в том числе дренажных, вод выше и ниже мест сброса (в фоновом и контрольном створах)

Реквизиты письма (номер (при наличии) и дата), которым направлены сведения о результатах учета качества поверхностных вод в местах сброса сточных, в том числе дренажных, вод выше и ниже мест сброса	Федеральный орган исполнительной власти субъекта Российской Федерации или орган местного самоуправления, в который направлены результаты учета качества поверхностных вод в местах сброса сточных, в том числе дренажных, вод выше и ниже мест сброса	Реквизиты письма (номер (при наличии) и дата), которым направлены сведения о результатах наблюдения за водными объектами (их морфометрическими особенностями) и их водоохранными зонами	Территориальный орган Росводресурсов, в который направлены сведения о результатах наблюдения за водными объектами (их морфометрическими особенностями) и их водоохранными зонами
1	2	3	4
Не осуществляется пользование водными объектами			

Projects in the field of ensuring rational consumption and production models

Within the framework of achieving the sustainable development goal "**Goal 6: Ensure access to water and sanitation for all**", the university implements :

- **Environmental policy of the SSAU**
- **Hazardous Waste Disposal Policy**
- **Plastic Waste Reduction Policy**

<https://old.stgau.ru/goals/water/>

<https://clck.ru/3EFczp>



МИНИСТЕРСТВО СЕЛЬСКОГО ХОЗЯЙСТВА РОССИЙСКОЙ ФЕДЕРАЦИИ
ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ
УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
«СТАВРОПОЛЬСКИЙ ГОСУДАРСТВЕННЫЙ АГРАРНЫЙ УНИВЕРСИТЕТ»



**ЭКОЛОГИЧЕСКАЯ ПОЛИТИКА
ФГБОУ ВО СтГАУ**

Ставрополь
2019

Youth participation in ensuring the availability and rational use of water resources and sanitation



The North Caucasus Interregional Environmental Forum was held on September 27, 2023 in Stavropol. On 24, representatives of government, science, business and the public from all over the North Caucasus Federal District gathered at the site of Stavropol State Agrarian University.

<https://vk.com/staveco>

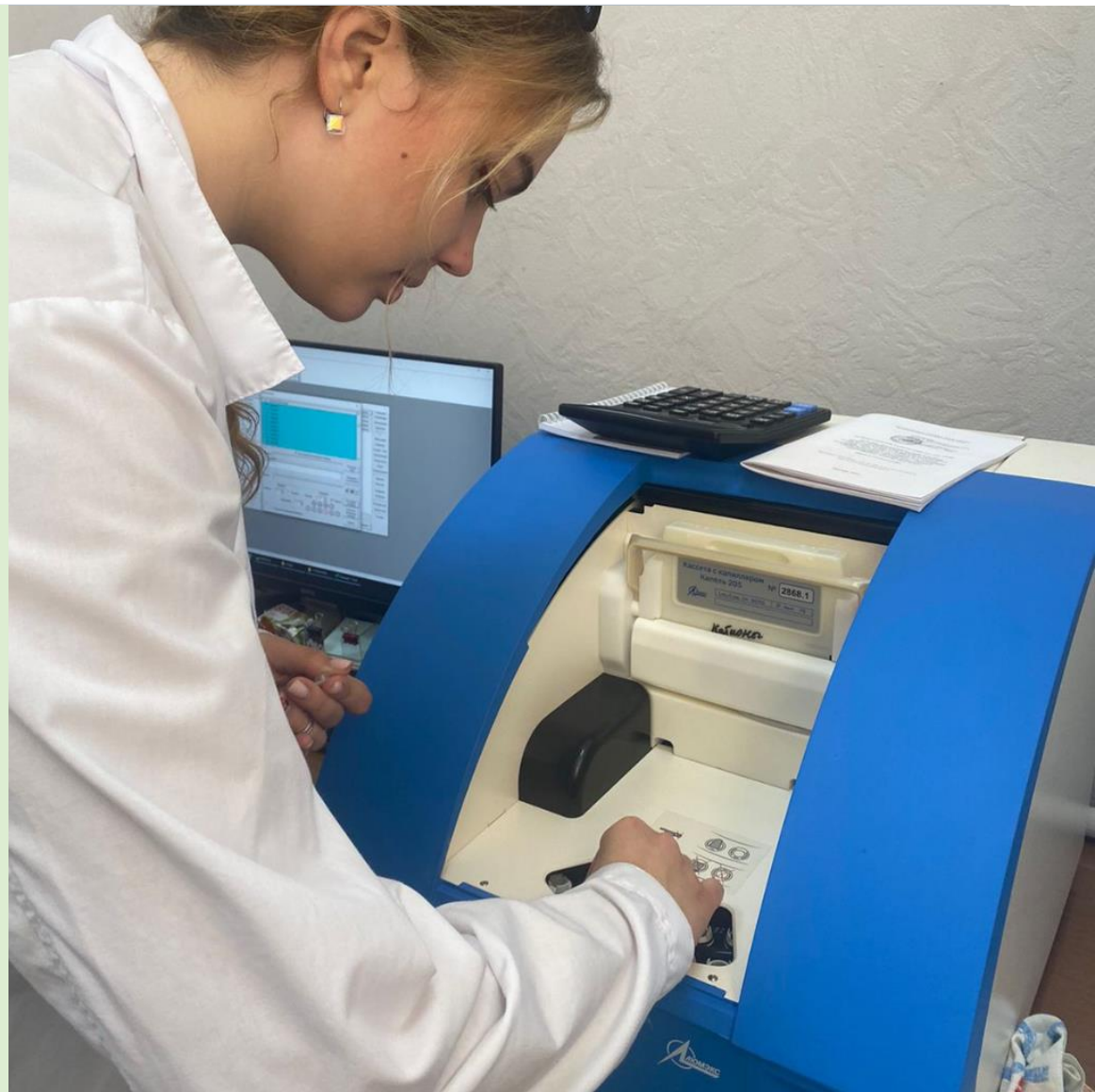
<https://stavropol.tpprf.ru/ru/news/512849/>



Students of Stavropol State University checked the quality of drinking water in Stavropol

Students of the **Ecology and Nature Management** direction took samples and analyzed drinking water in three districts of Stavropol: Oktyabrsky, Leninsky and Industrial.

<https://clck.ru/3EFczp?clckid=a4f2b62a>



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Science Index 

6 CLEAN WATER
AND SANITATION



ANALYSIS OF WATER EROSION DYNAMICS BASED ON THE FRACTAL DIMENSION INDEX/Antonov S.A., Peregudov S.V./Russian Agricultural Sciences. 2023. Т. 49. № S2. С. S233-S238.

CLIMATE AGENDA IN THE SOUTHERN REGION OF RUSSIA: THE VIEW OF THE AGRARIAN UNIVERSITY STUDENTS/Chudnova O.A., Kosnikov S.N., Lesnykh Ju., Isaenko A.P., Ivashova V.A./В сборнике: E3S Web of Conferences. Ural Environmental Science Forum “Sustainable Development of Industrial Region” (UESF-2023). Chelyabinsk, 2023. С. 03018.

TRANSPORT ACCESSIBILITY ASSESSMENT OF RURAL TOURISM FACILITIES/Zolotarev S.P., Kusakina O., Ryazantsev I.I., Yushchenko I.V., Ivashova V.A./В сборнике: E3S Web of Conferences. International Scientific and Practical Conference “Environmental Risks and Safety in Mechanical Engineering” (ERSME-2023). Rostov-on-Don, 2023. С. 04005.

TRANSDISCIPLINARY METHODS IN SOCIO-ECONOMIC AND ENVIRONMENTAL RESEARCH/Ivashova V.A., Skabayeva G., Platonova A.Z., Kuperbayeva A., Sambetkulova N./В сборнике: E3S Web of Conferences. 2023. С. 06006.

7 AFFORDABLE AND CLEAN ENERGY



**Goal 7:
Ensure access to
affordable, reliable,
sustainable and modern
energy**

Educational programs

Generator of opportunities: Stavropol Agrarian University will become the center of green energy in the south of Russia

What a fan of opportunities this event opens up for the region's economy?



<https://pobeda26.ru/articles/articles/2023-02-28/generator-vozmozhnostey-agrarnyy-universitet-stavropolya-stanet-tsentrom-zelyonoy-energetiki-yuga-rossii-249910>



Educational programs



Mastepanenko Maxim Alekseevich

Dean of the Faculty of Electric Power Engineering



35.04.06 AGROENGINEERING

MASTER'S DEGREE PROGRAM

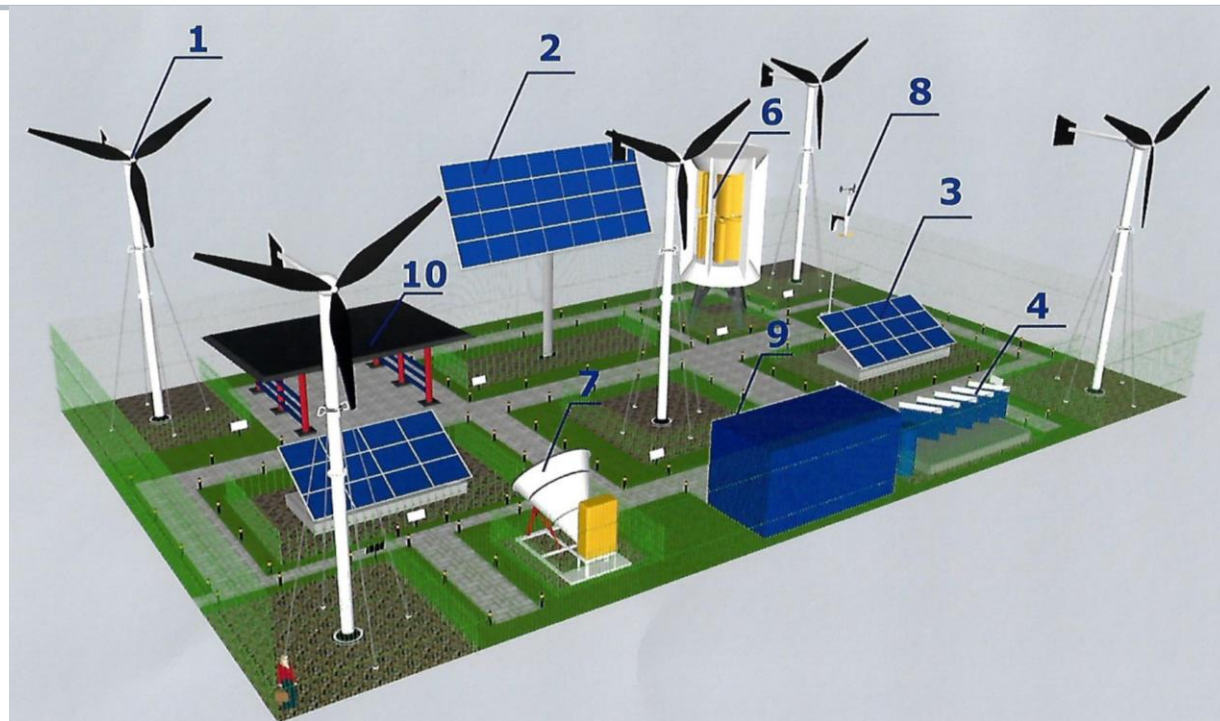
Traditional and renewable energy of the agro-industrial complex

Laboratory of alternative energy sources



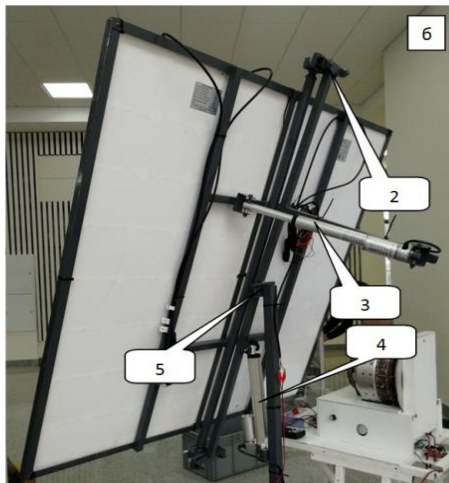
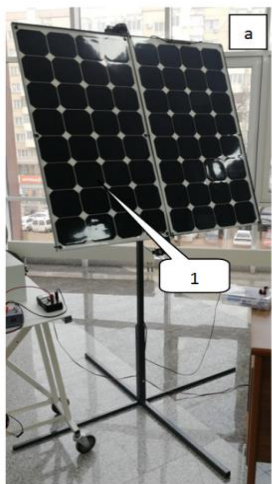
The laboratory includes:
Training stands
Computer equipment
Control and measuring equipment
Scientific research equipment





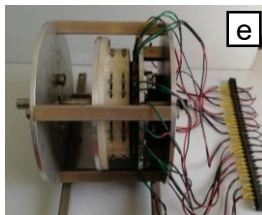
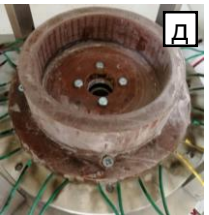
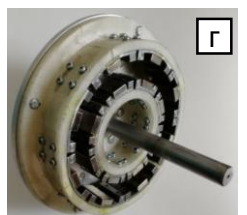
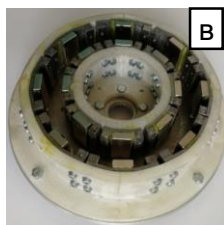
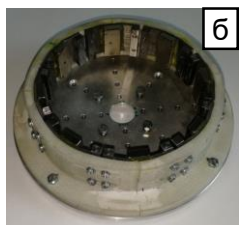
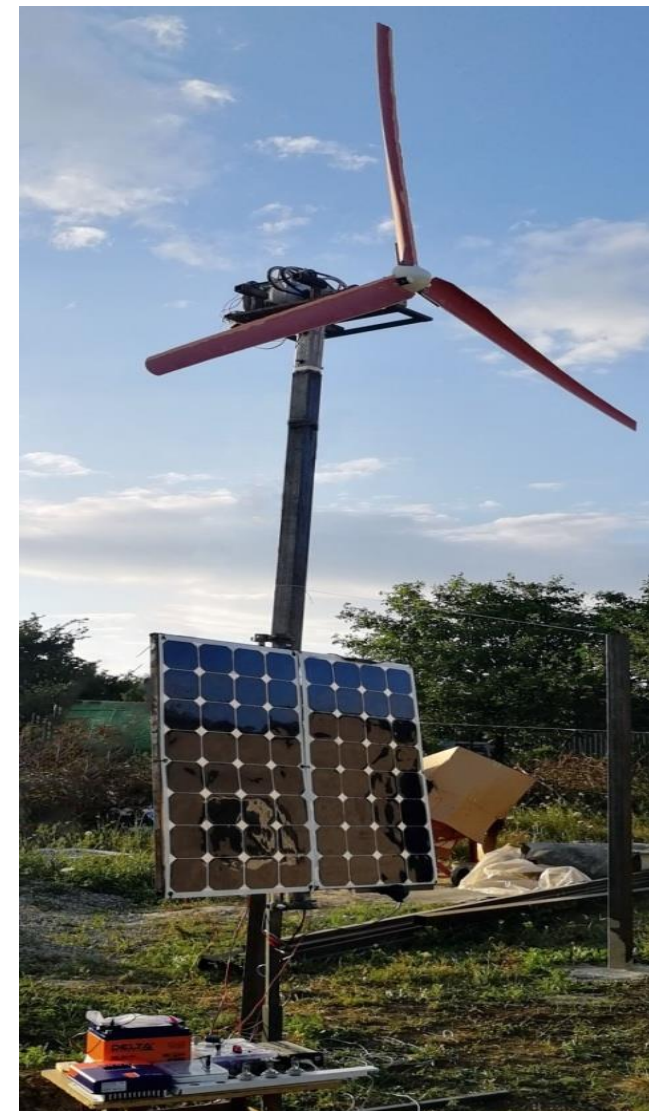
Technical equipment of the landfill:

1. Wind power plant – 5 pcs., with a total capacity of 15 kW.
2. Solar intelligent track system - 1 pc., with a total capacity of 15 kW.
3. Stationary solar power plant – 2 modules with a total capacity of 6 kW.
4. Solar collectors (thermal energy) – 5 modules with a total capacity of 5 kW.
5. Heat pump (thermal energy) – 1 pc., with a total capacity of 3.5 kW.
6. Wind power plant with a vertical rotor – 1 pc., with a total capacity of 3.5 kW.
7. Solar energy concentrator – 1 pc., with a total capacity of 5 kW.
8. Weather station – 1 pc.
9. The technological block-container of the landfill.
10. Briefing area.



Characteristics of the autonomous power supply system :

- The power of solar panels is 200 watts;
- The power of the synchronous generator of the wind power plant is 680 watts;
- Battery capacity – 200 Ah;
- The power of the inverter is 5 kW; Battery life – 8 hours;
- The diameter of the wind turbine is 3.5 m.



Educational programs



13.03.02 - ELECTRIC POWER AND ELECTRICAL ENGINEERING



35.03.06 AGRO-ENGINEERING (ELECTRICAL EQUIPMENT AND ELECTRICAL TECHNOLOGIES)



35.03.06 AGROENGINEERING (AUTOMATION AND ROBOTIZATION OF TECHNOLOGICAL PROCESSES)



2500 sq.m area of the educational and laboratory base

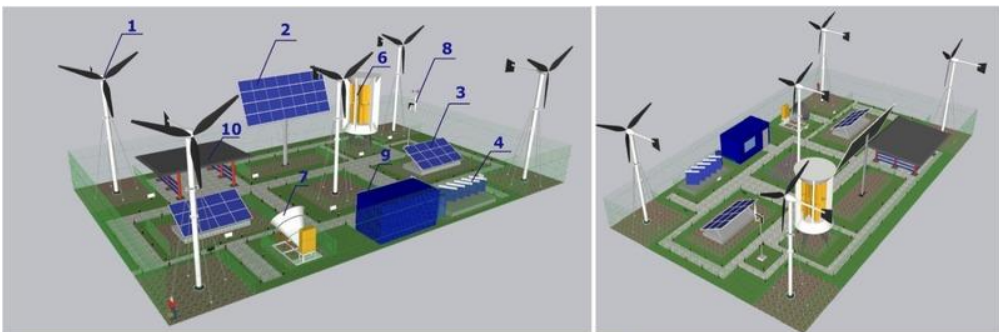
33 educational and research laboratories

The faculty has laboratories “Simulation modeling of electrical systems and devices in the SimInTech environment” and “Intelligent systems of integrated accounting of energy resources”, the only educational laboratory in Russia – the competence center “Intelligent sensor systems for dispatching control and control of heat consumption parameters”, the largest training ground in the South “Alternative Energy” is under construction, a training ground for electrical installation works, a virtual reality (VR) training and research laboratory “Installation and technical operation of heat metering units”, etc.

Scientific and educational projects in the field of sustainable energy development



Solar panels on the roof of SSAU building



Техническое оснащение полигона:

1. Ветроэнергетические установки - 5 шт., общей мощностью 15 кВт.
2. Солнечная интеллектуальная трек-система - 1 шт., общей мощностью 15 кВт.
3. Стационарная солнечная электростанция - 2 модуля, общей мощностью 6 кВт.
4. Солнечные коллекторы (тепловая энергия) - 5 модулей, общей мощностью 5 кВт.
5. Тепловой насос (тепловая энергия) - 1 шт., общей мощностью 5 кВт.
6. Ветроэнергетическая установка с вертикальным ротором - 1 шт., общей мощностью 3,5 кВт.
7. Концентратор солнечной энергии - 1 шт., общей мощностью 5 кВт.
8. Метеостанция - 1 шт.
9. Технологический блок-контейнер полигона.
10. Брифинг зона.



Computer visualization of the polygon for research

The educational program **“Traditional and renewable energy in the agro-industrial complex”** studies in detail two strategic types of green energy for Stavropol – wind and solar.

At the same time, emphasis is placed on the joint operation of power grids, wind generators and solar modules, solving problems of accumulation and transportation of electricity over long distances with minimal losses. If earlier knowledge in the field of green energy was given to students only point-by-point, now teachers give a wide range of theory and practice in 2 years.

The scientific developments of SSAU in the field of green energy are primarily focused on remote farms and structures: for example, apiaries, pastures and fisheries facilities, but in the future they may also switch to large enterprises.

<https://pobeda26.ru/articles/articles/2023-02-28/generator-vozmozhnostey-agrarnyy-universitet-stavropolya-stanet-tsentrom-zelyonoy-energetiki-yuga-rossii-249910>



WEB OF SCIENCE



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MULTI-LAYERED SMART CITY SYSTEM BASED ON MULTI-PURPOSE DEEP MODEL/Nikolaev E., Zakharov V., Zakharova N./В сборнике: AIP Conference Proceedings. III International Scientific Forum on Computer and Energy Sciences (WFCES 2022). Almaty, Kazakhstan, 2023. С. 020055.

AUTOMATION OF CALCULATIONS OF TECHNICAL AND ECONOMIC INDICATORS OF OPTIMAL OPERATION OF EQUIPMENT/Mostepanenko M.A., Shmatko S.G., Shmatko G.G., Shlaev D.V./Rural mechanizer. 2023. No. 4. pp. 6-7.

A WIRELESS SYSTEM FOR MONITORING GRAIN STORAGE PARAMETERS USING ULTRASONIC VIBRATIONS FOR ENERGY AND INFORMATION TRANSMISSION/Vostrukhin A.V., Mastepanenko M.A., Vakhtina E.A., Vorotnikov I.N./Patent for the invention RU 2808828 C1, 05.12.2023. Application dated 06/20/2023.

ENERGY-SAVING ASYNCHRONOUS INTERFACE FOR WIRELESS SENSORS/Vostrukhin A.V., Mostepanenko M.A., Vakhtina E.A./Bulletin of Tomsk State University. Management, computer engineering and computer science. 2023. No. 63. pp. 92-102.



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7 AFFORDABLE AND
CLEAN ENERGY



ENERGY-EFFICIENT AND ENERGY-SAVING AUTONOMOUS POWER SUPPLY SYSTEMS AT WIND AND SOLAR POWER PLANTS FOR SMALL FARMS/Grigorash O.V., Denisenko E.A., Kvitko A.V., Grishchenko D.N., Baryshev P.M./Krasnodar, 2023.

CONTROL PROGRAM FOR THE MODULE FOR COLLECTING AND TRANSMITTING DATA FROM A CAPACITIVE SENSOR FOR DETERMINING THE ELECTROPHYSICAL PROPERTIES OF TRANSFORMER OILS/Vorotnikov I.N., Mastepanenko M.A., Gabrielyan Sh.Zh., Mishukov S.V., Stavitskaya N.A./Certificate of registration of the computer program RU 2023664720, 07/06/2023. Application No. 2023663119 dated 06/26/2023.

DIAGNOSTICS OF POWER TRANSFORMERS BASED ON SYNCHRONOUS MEASUREMENTS/Simonov V.N., Gabrielyan Sh.Zh./In the collection: Digital transformation in the energy sector. Materials of the Fifth International Scientific Conference. Tambov, 2023. pp. 133-135.

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AN AUTONOMOUS POWER SUPPLY POWER PLANT PROTECTED FROM EXTERNAL INFLUENCES/Nikitenko G.V., Konoplev E.V., Konoplev P.V., Bobryshev A.V./Rural mechanizer. 2023. No. 4. P. 33.

8 DECENT WORK AND ECONOMIC GROWTH



**Goal 8:
Promote inclusive
and sustainable
economic growth,
employment and
decent work for all**

SSAU is a platform of free projects for students to improve competitiveness in the labor market



Who can take free training?

- Citizens aged 50 years and older, citizens of pre-retirement age;
- Women on parental leave under 3 years of age;
- Women who are not in an employment relationship and have preschool children aged 0 to 7 years inclusive;
- Unemployed citizens registered with the employment service;
- Employees at risk of dismissal, including the introduction of part-time work, downtime, temporary suspension of work, provision of leave without pay, measures to release employees
- And other citizens

https://vk.com/wall-215489923_1651

Пройдите бесплатное обучение
по программам Ставропольского ГАУ
и ЦОПП в рамках ФП
«Содействие занятости»

УЧАСТВОВАТЬ

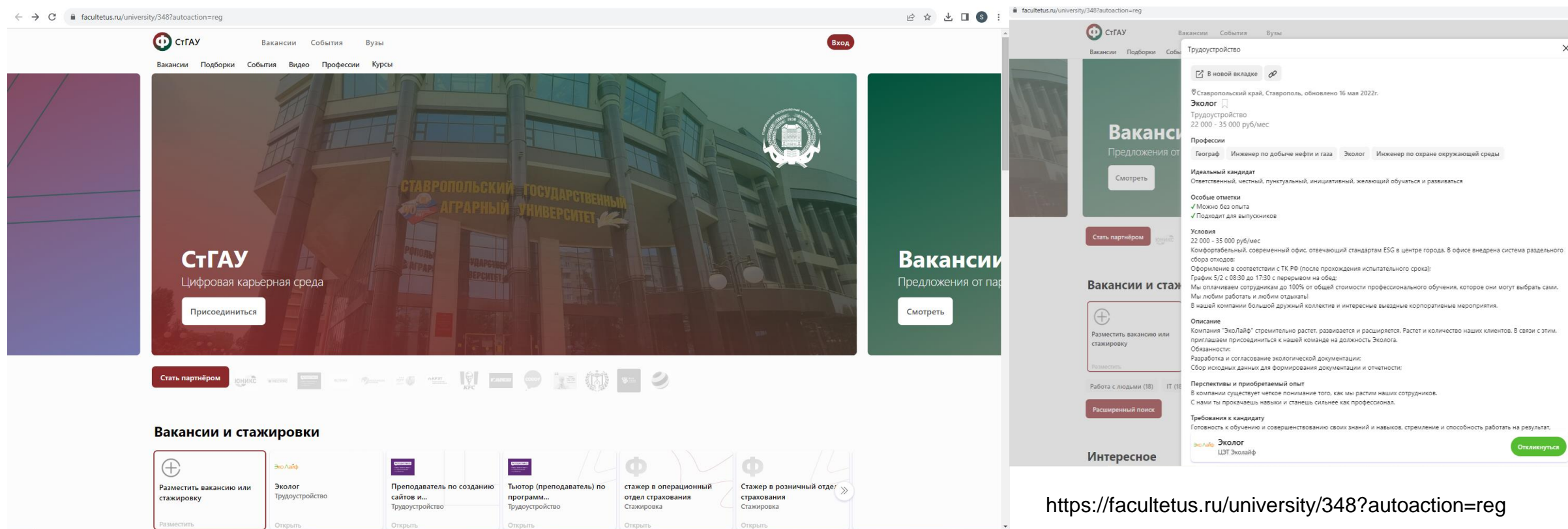


Everyone will find a job!

The system of employment assistance in SSAU

Digital career environment of SSAU

Trainings on the formation of a resume, career strategy and a pool of vacancies from enterprises and organizations are available daily for students and graduates of the university.



The screenshot displays the website <https://facultetus.ru/university/348?autoaction=reg>. The main page features a large banner with the university's name and a 'Присоединиться' (Join) button. Below the banner, there are navigation links for 'Вакансии' (Vacancies), 'Подборки' (Collections), 'События' (Events), 'Видео' (Videos), 'Профессии' (Professions), and 'Курсы' (Courses). A 'Вход' (Login) button is visible in the top right corner. The 'Вакансии и стажировки' (Vacancies and Internships) section is prominently displayed, showing a list of job opportunities. One specific vacancy is highlighted in a modal window, titled 'Эколог' (Ecologist), with a salary range of 22,000 - 35,000 rubles per month. The modal window provides detailed information about the position, including the location (Stavropol), the company's values, and the responsibilities of the role. The website also features a 'Стать партнёром' (Become a partner) button and a 'Работа с людьми' (Work with people) section.

<https://facultetus.ru/university/348?autoaction=reg>

Everyone will find a job!

The system of employment assistance in SSAU

University as a platform for career development

SSAU and Sberbank have long-term warm friendly relations. Students and graduates work in their specialty in different branches of the bank, holding leading positions. An open business lesson with a bank was held on the basis of the Business School "ABC of Money" of the youth technopark "SmartAgro". The students learned about business solutions, the consulting market and the business accelerator "First Business".

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Creating optimal conditions for involving young people in research and project activities and promoting the brand "Young scientist of SSAU - researcher, inventor and entrepreneur"



The solemn closing of the School of a Young Scientist has just taken place at the site of the Entrepreneurial Boiling Point of t SSAU!

In an atmosphere of joy and pride, letters of thanks were awarded to the organizers, who helped make the School bright and memorable. Thanks to everyone who participated in the School of the Young scientist. We hope that you have received unforgettable emotions and a useful experience!

https://vk.com/club187658431?ysclid=m2rvk40ly4151994223&z=photo-187658431_457259647%2Fwall-187658431_1464



Creating optimal conditions for involving young people in research and project activities and promoting the brand "Young scientist of SSAU - researcher, inventor and entrepreneur"



An open lecture on the strategy of sustainable development was held at SSAU

The educational event made it possible to strengthen knowledge about the principles of environmental, social and corporate governance. Stavropol State Agrarian University hosted an open lecture on ESG principles (from the English Environment, Social, Governance — ecology, social policy and corporate governance — ed.). The invited speaker was Irina Gaida, Deputy Director of the Center for Energy Transfer and ESG of the Skolkovo Institute of Science and Technology, an independent member of the Board of Directors of Skoltech and Novatek.

<https://dzen.ru/a/ZgKbaEV0IR2YoVeh?ysclid=m2rvv22qmw67783346>

- 5 design and educational intensive courses based on the University model 2035
- Acceleration program in cooperation with Uralchem Innovation LLC
- the program of support and acceleration of startup projects "New philosophy of entrepreneurship" – 2025

98 events

19 regions of Russia

The best Entrepreneurial
"Boiling Point" by Food Net

52 Start-up projects

19 winners of the Student Start-up Program

14 winners of the federal program UMNIK

Total amount of funds raised

26,5 million rubles

Work plan for 2023 – 2024

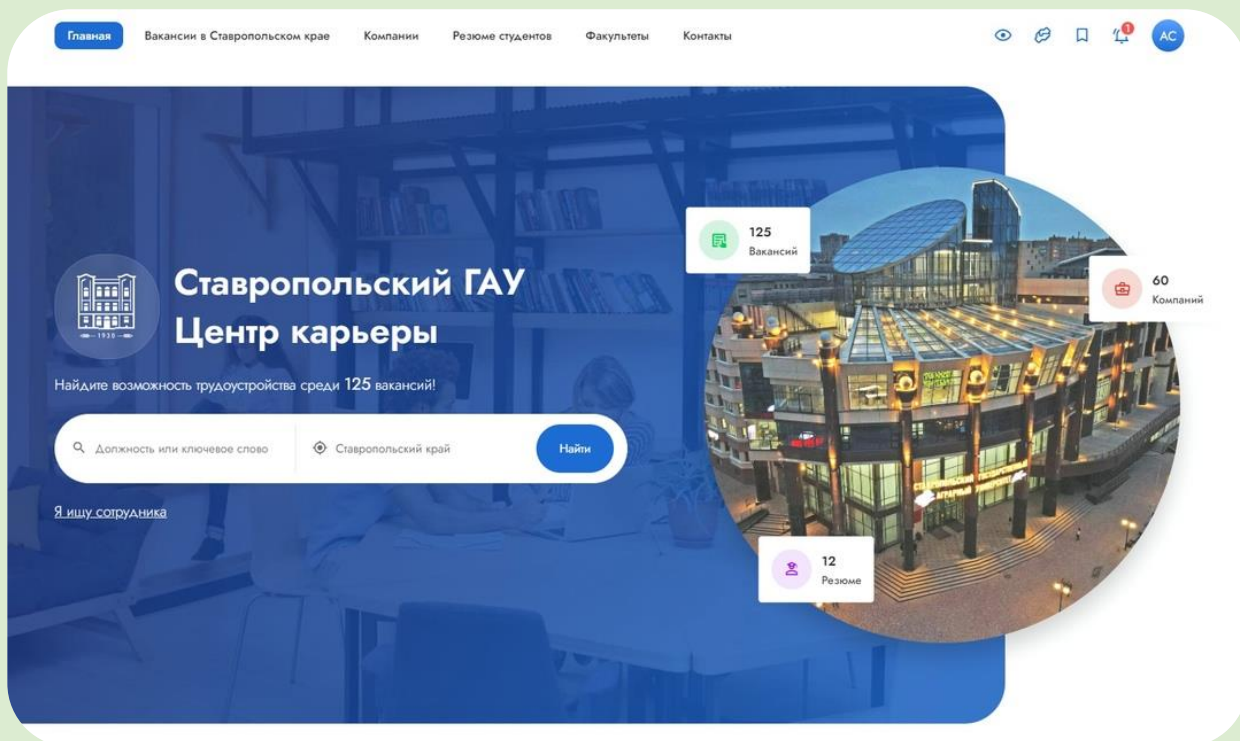
Increase in the number of winners of the "Student Startup" and "UMNIK" programs

growth by 2 times

Date	Name
20 – 30 October 2023	Entrepreneur's Lecture Hall <i>Basic educational course on the basics of entrepreneurship</i>
03 – 30 November 2023	Case workshop <i>Practice-oriented block together with business representatives</i>
01 – 10 December 2023	Regional demo day based on the results of the discipline "Project activity"
February – March 2024	Acceleration program "AgroStart"
May 2024	Mayak Scientific Management Platform <i>A set of educational events for startup project managers</i>



SSAU Career Center



At our university, we offer students and graduates a unique opportunity to find a job that matches their skills and interests.

Join our university's platform and take advantage of the following opportunities: — Find the perfect job or internship that matches your skills and interests.
— Post your resume using a designer that allows you to talk about your professional achievements.
— Build your reputation by contacting employers and increasing your professional visibility.

Join us:

<http://job.stgau.ru/create/user>

https://vk.com/trud_stgau?ysclid=m237elmesv422969927

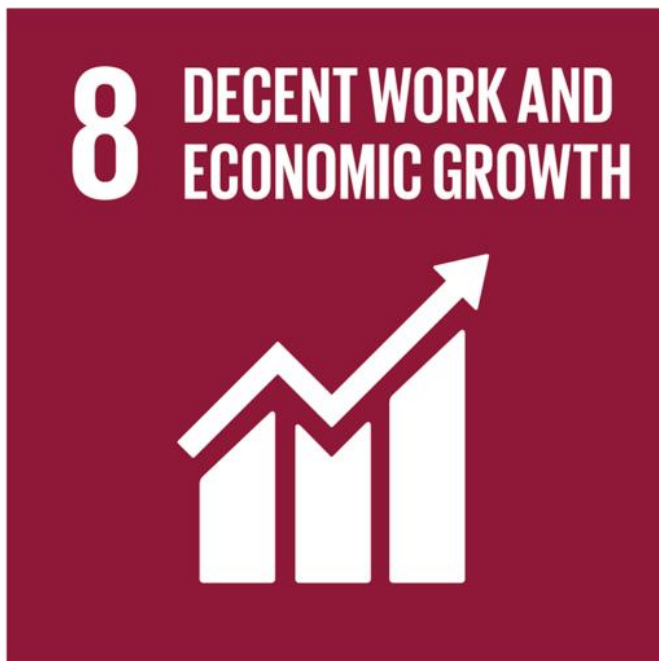


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COMPARISON OF INTEGRABLE BLOCKCHAIN TECHNOLOGIES IN THE PROCESSES OF DIGITALIZATION OF SECTORS OF THE NATIONAL ECONOMY/Malafeyev O.A., Qodirov A.O., Zaitseva I.V., Kosovskaya T.M., Belyaeva S.V., Leshcheva M.G., Kuleshova L.V./В сборнике: E3S Web of Conferences. III International Conference on Geotechnology, Mining and Rational Use of Natural Resources (GEOTECH-2023). Navoi, Uzbekistan, 2023. С. 04005.

DEVELOPMENT OF ENVIRONMENTAL ECONOMY AND MANAGEMENT IN THE AGE OF AI BASED ON GREEN FINANCE/Trukhachev V.I., Dzhikiya M./Frontiers in Environmental Science. 2023. Т. 10. С. 1087034.

Scientific articles on achieving the Sustainable Development Goal



Scopus

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8 DECENT WORK AND
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USTAINING GROWTH OR BOOSTING PROFIT: ACCOUNTING TOOLS UNDER PROCESS-BASED MANAGEMENT IN A TRANSITION ECONOMY/Bobryshev A., Chaykovskaya L., Erokhin V., Ivolvega A./Journal of Risk and Financial Management. 2023. Т. 16. № 2. С. 92.

MACROECONOMIC SUBSTANTIATION OF THE NATURE OF QUALITY AS AN OBJECT OF ACCOUNTING IN THE MARKET ECONOMY/Ponomareva S.V., Chutcheva Yu.V., Krishtaleva T.I., Kostyukova E.I./International Journal for Quality Research. 2023. Т. 17. № 4. С. 1217-1228.

KEYNESIAN APPROACH TO ECONOMY REGULATION: ANSWERS TO THE CHALLENGES FACING THE AGROINDUSTRIAL COMPLEX/Trukhachev V.I., Migunov R.A., Syutkina A.A., Zaruk N.F., Kolomeeva E.S., Babanskaya A.S.: BIO WEB OF CONFERENCES. International Scientific and Practical Conference "AGRARIAN SCIENCE - 2023" (AgriScience2023). EDP Sciences, 2023. С. 14013.

INNOVATIVE SOLUTIONS AND CURRENT TRENDS IN AGRARIAN ECONOMY IN THE DIGITAL ERA: CHAYANOV ON THE LABOR-CONSUMING BALANCE OF THE PEASANT ECONOMY AND ITS DETERMINING FACTORS/Trukhachev V.I., Gaisin R.S./В сборнике: Unlocking Digital Transformation of Agricultural Enterprises. Technology Advances, Digital Ecosystems, and Innovative Firm Governance. Сер. "Innovation, Technology, and Knowledge Management" Cham, 2023. С. 133-142.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



**Goal 9:
Build resilient
infrastructure,
promote sustainable
industrialization and
foster innovation**

Transition from the model of a branch university to the model of an entrepreneurial one

Elements of an entrepreneurial university	What is the university doing in this direction	
Enhanced management core	<ul style="list-style-type: none"> The presence of a strong leadership that is able to respond to the demands of the market economy, while maintaining a balance of new managerial and traditional academic values 	<ul style="list-style-type: none"> University's Turn to Business New academic and industrial partners (agroholdings, MGIMO, HSE, MIPT, Lomonosov Moscow State University, UNN Lobachevsky University)
Expanded periphery of development	<ul style="list-style-type: none"> Reorganization of the organizational structure The functionality of the first Vice-rector and the reassembly of the Board of Trustees 	<ul style="list-style-type: none"> Introduction of representatives of R&D departments of agricultural holdings to the STS
Diversified funding base	<p>Obtaining new types of financing:</p> <ul style="list-style-type: none"> Priority-2030+ region and the Ministry of Agriculture of the Russian Federation, RSF, targeted business donations (20 million in 2022, for 2023-2024 academic years – already 50), Professionalism, grants for SSS, acceleration program and PTC 	<ul style="list-style-type: none"> Expanding the number of customers of scientific and technical services and R&D
Stimulated academic structures	<ul style="list-style-type: none"> Establishment of the Institute of Agricultural Breeding and Genetics Consolidation of faculties into institutes 	<ul style="list-style-type: none"> New standards for the organization and support of research and development (grants to groups, researchers, youth)
Integrated entrepreneurial culture	<ul style="list-style-type: none"> Traditions according to the SPA rating: innovation and student project contests, funds raised, patent activity, etc. 	<ul style="list-style-type: none"> New norms and traditions: design and educational intensive courses, startup as a diploma, disciplines on project activities



Transformation of education in accordance with the demands of the economy

Formation of the personnel potential of the agro-industrial complex of the Stavropol territory

University contribution in technological development :



Breeding and genetics in animal husbandry



Breeding and nursery of fruit and berry crops





Management of the development program

Directorate – balanced resource allocation

Project Office – coordination of the launch and implementation of program activities

Passports of strategic projects and short-term projects – tasks and results

Road maps – organization and control of execution

Stimulating project participants - 80% employees are involved in the implementation of the program

Presentation of the program and its results at the new annual forum – synchronization of subpoenas with stakeholders

Protection of reports in the Duma of the Stavropol Territory and profile committees – providing external expertise of the contribution to the development of the region and the industry

Governor – head of the university team on defense before the Council "Priority – 2030" – tasks and interests of the region

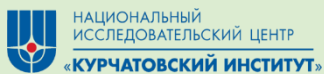


Policy in the field of innovation and commercialization of developments

Policy objective

Creation of conditions for the formation of fundamental knowledge and competitive applied developments in the subject areas of the Agroinopolis-2030 program, development of tools for stimulating and motivating SPS to increase the effectiveness of intellectual activity, their commercialization and promotion, in order to strengthen the University in the status of a leader in the transfer of research, production, educational and digital technologies aimed at sustainable development region

Партнеры



Institute of Bioorganic
Chemistry named after
Academicians M. M.
Shemyakin and Yu. A.
Ovchinnikov of the
Russian Academy of
Sciences



Lomonosov Moscow State
University



Key priorities/directions

1. Improving the scientific and innovative ecosystem of the University
2. Increasing the publication activity of scientists and young researchers, including in priority areas of scientific and technological development
3. Stimulating research and innovation activity in the areas of the University's subject specialization
4. Formation of a system of selection and support of researchers
5. Involvement of students in project activities based on the integration of interdisciplinary research on strategic projects and in the areas of subject specialization of the university

Competition for young scientists LABORATORY RESEARCHER

- 9 projects supported
- 16 young researchers have been employed
- Additional payment to the scientific supervisor
- The amount of financing is 1.4 million rubles.
- The amount of financing (2024) is 2 million rubles.

Competition for an increased scholarship for graduate students

- 10 graduate students receive an additional scholarship
- The scholarship amount is 15 thousand rubles.
- The total amount of financing is 1.8 million rubles.

Grant for young scientists in the field of science and innovation

- The grant amount is 60 thousand rubles
- In 2022, 9 projects were supported
- The opportunity to purchase equipment
- The total amount of financing is 540 thousand rubles.

Competition of research projects and researchers

- 21 projects were supported
- The amount of financing is 6.4 million rubles.
- More than 50 young researchers are involved

10 ml. r. — support for young scientists
from internal grants

12 ml. r. — support of young scientists by
strategic partners of the University

Dynamics / Current status

- More than 30 training and methodological measures of professional development were carried out according to the programs :

"Academic writing: the construction of a scientific text in accordance with the requirements of publications indexed in international databases".

"International quality standards for scientific publications and journals on agriculture and related fields"....;

- 170 SPS of the university and more than 400 SPS of universities – members of the consortium were trained.
- 4 international conferences were held with indexing in Scopus and WoS databases
- Since 2021, the electronic scientific journal "Research of problems of Economics and Finance" has been published
- In 2023, the student network journal "Problems of Agrarian Science"

Results

- increase in the number of publications in Scopus databases by 26%, in WoS by 15% annually.
- improving the quality of publications: in 2023, 14 articles were published in Scopus Q1-Q2, 20 articles in WoS

Immediate plans 2023-2024

- Holding an international conference with indexing in Scopus
- Translation of the journal "Agrarian Bulletin of the North Caucasus" to the digital platform Elpab
- The inclusion of the journal "Research of Problems of Economics and Finance" into the list of the Higher Attestation Commission
- Development of the student network magazine "Problems of Agrarian Science"



Integrated rural development

The purpose of the strategic project

- FORMATION OF A FUNDAMENTALLY NEW SPATIALLY DIFFERENTIATED APPROACH TO RURAL DEVELOPMENT MANAGEMENT BASED ON DETAILED CONSIDERATION OF DEMOGRAPHIC, SOCIAL, CULTURAL, INFRASTRUCTURAL, TERRITORIAL DIFFERENCES, AND TOURISM POTENTIAL IN THE CONTEXT OF THE NEW ECONOMIC REALITY OF THE STAVROPOL TERRITORY

TASK1

FORMATION OF DATABASES CHARACTERIZING THE LEVEL OF SOCIO-ECONOMIC STATUS AND TOURIST AND RECREATIONAL POTENTIAL OF RURAL AREAS OF THE STAVROPOL TERRITORY, BASED ON STATISTICAL DATA, POPULATION SURVEYS, REGULATORY PARAMETERS OF QUALITY OF LIFE AND PASSPORTS OF SETTLEMENTS

TASK2

SUBSTANTIATION OF ESTIMATED INDICATORS OF THE LEVEL OF SOCIO-ECONOMIC AND INFRASTRUCTURAL DEVELOPMENT OF RURAL AREAS AND THE QUALITY OF LIFE OF ITS POPULATION

TASK3

DEVELOPMENT OF ORGANIZATIONAL AND ECONOMIC TOOLS FOR ACHIEVING NORMATIVE INDICATORS OF THE QUALITY OF LIFE OF THE POPULATION OF RURAL AREAS

TASK4

DEVELOPMENT OF PROGRAMS FOR THE ORGANIZATION OF NON-AGRICULTURAL TYPES OF EMPLOYMENT, INCLUDING INNOVATIVE TYPES OF TOURISM IN MUNICIPALITIES (RURAL AREAS) OF THE STAVROPOL TERRITORY

TASK5

GEOSPATIAL MODELING OF RURAL DEVELOPMENT IN THE STAVROPOL TERRITORY, TAKING INTO ACCOUNT VARIOUS NATURAL AND SOCIO-ECONOMIC FACTORS IN MAKING MANAGEMENT DECISIONS

TASK6

RECOMMENDATIONS FOR THE DEVELOPMENT AND IMPLEMENTATION OF SUSTAINABLE DEVELOPMENT STRATEGIES MUNICIPALITIES IN ACCORDANCE WITH THE PECULIARITIES OF THE RESOURCE POTENTIAL AND RURAL DEVELOPMENT

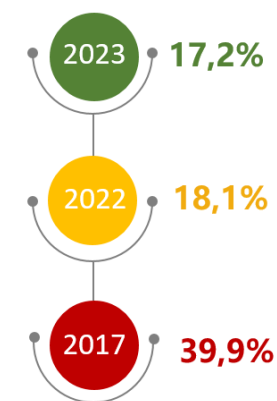
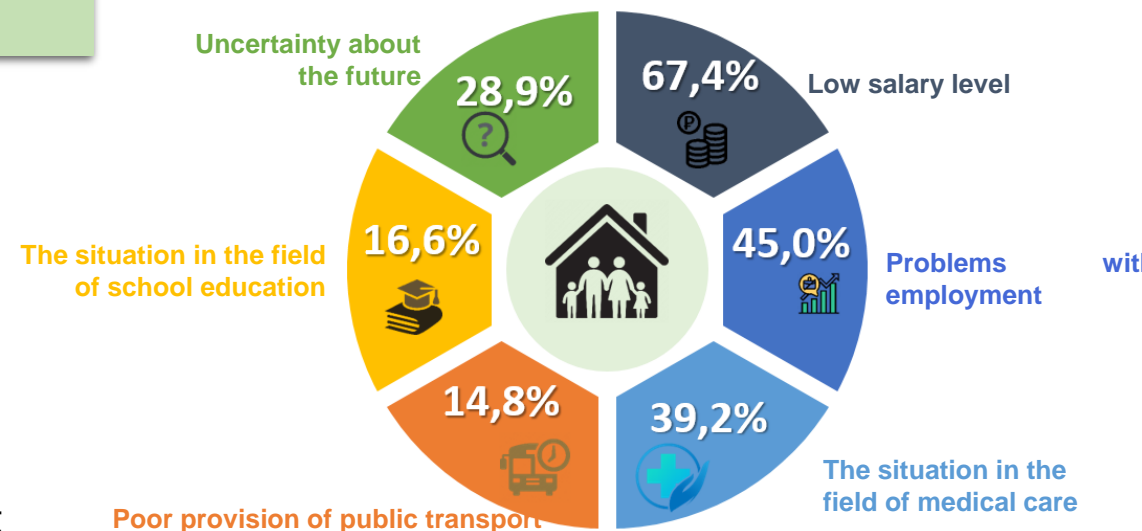
TASK7

TRAINING OF MUNICIPAL EMPLOYEES IN ORDER TO SUBSTANTIATE DEVELOPMENT PROJECTS, ATTRACT AND USE FINANCIAL RESOURCES FOR THE DEVELOPMENT OF RURAL AREAS THROUGH ADVANCED TRAINING AND MASTER'S DEGREE PROGRAMS

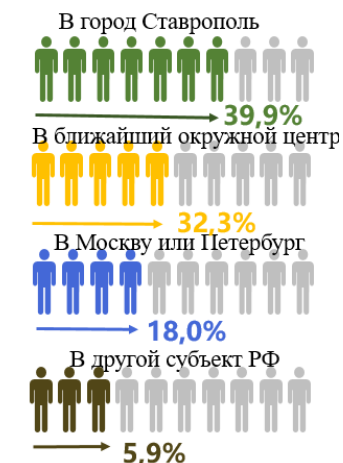
KEY AREAS OF WORK :

1. Monitoring of the socio-economic development of the municipality and development of recommendations for its development management
2. Formation of a database and indicators of the level of socio-economic condition of the territory of municipalities and the region
3. Forecasting the socio-economic development of municipalities
4. Development of a Strategy for the socio-economic development of the municipality
5. Assistance in maintaining the passport of the municipality.
6. Verification of passport data. Passport visualization in the GIS system
7. Advisory support to regional and municipal authorities on integrated rural development

socio-economic problems of concern to rural residents of the Stavropol Territory



Those planning to move from the village from the village in the near future



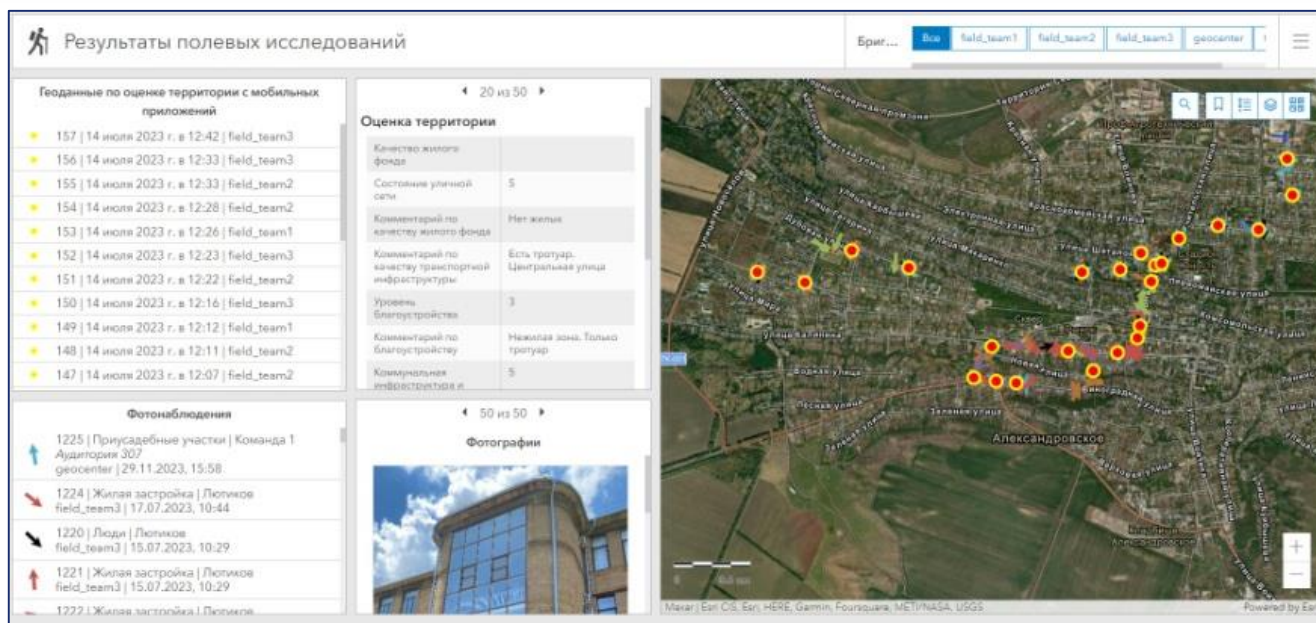
The results of field research in 2023 (stage 2), as part of the work of the mirror laboratory

1. A methodology for visual assessment of rural space differentiation (DSP) has been developed and tested
2. The HSE geo-portal was used to systematize and process the collected data
3. An assessment of the elements of the chipboard and an integral assessment of the quality of life (well-being) along the routes are given
4. DSP factors have been identified
5. The results of field research are integrated into the GIS "Rural territories of the region"

DIFFERENTIATION FACTORS RURAL SPACES:

- ✓ Proximity to the regional center – sharp contrasts in the suburban area
- ✓ The presence of an administrative status
- ✓ Transport and geographical location
- ✓ Agro–industrial complex - gentrification in Alexandrovsky and hydrography – barrier function of reservoirs

INTERFACE OF THE GEOPORTAL OPERATING PANEL: POINTS OF THE ROUTE TO THE VILLAGE OF ALEXANDROVSKOYE



Результаты полевых исследований

Геоданные по оценке территории с мобильных приложений

157 14 июля 2023 г. в 12:42 field_team3
156 14 июля 2023 г. в 12:33 field_team3
155 14 июля 2023 г. в 12:33 field_team2
154 14 июля 2023 г. в 12:28 field_team2
153 14 июля 2023 г. в 12:26 field_team1
152 14 июля 2023 г. в 12:23 field_team3
151 14 июля 2023 г. в 12:22 field_team2
150 14 июля 2023 г. в 12:16 field_team3
149 14 июля 2023 г. в 12:12 field_team1
148 14 июля 2023 г. в 12:11 field_team2
147 14 июля 2023 г. в 12:07 field_team2

Оценка территории

Качество жилого фонда	
Состояние уличной сети	5
Комментарий по качеству жилого фонда	Нет жилых
Комментарий по качеству транспортной инфраструктуры	Есть тротуар. Центральная улица
Уровень благоустройства	3
Комментарий по благоустройству	Нежилая зона. Только тротуар
Коммунальная инфраструктура и т.д.	5

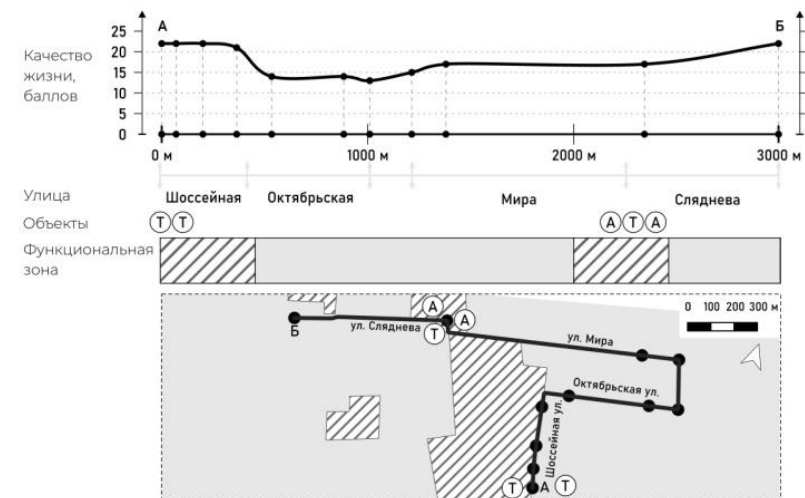
Фотонаблюдения

1225 Приусадебные участки Команда 1 Аудитория 307 geocenter 29.11.2023, 15:58
1224 Жилая застройка Лопиков field_team3 17.07.2023, 10:44
1220 Люди Лопиков field_team3 15.07.2023, 10:29
1221 Жилая застройка Лопиков field_team3 15.07.2023, 10:29
1222 Жилая застройка Лопиков

Фотографии

Александровское

ALEXANDROVSKOYE VILLAGE SOCIO-ECONOMIC PROFILE AND FUNCTIONAL AREAS

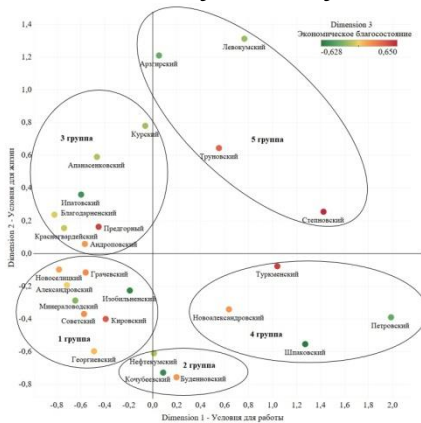


Development of a scale of attractiveness of rural territories Of the stavropol territory based on the study of Their socio-economic status and development

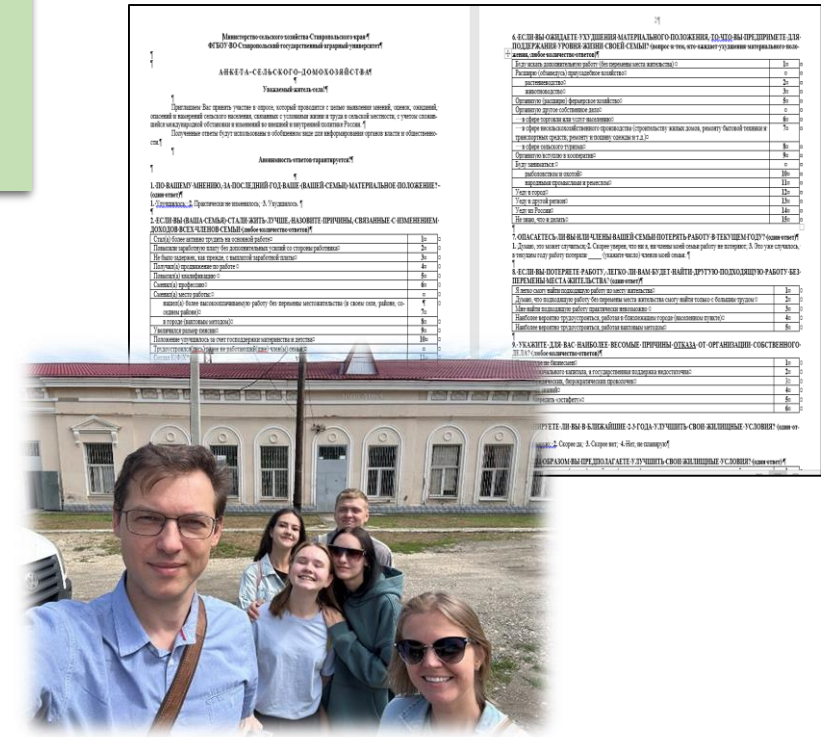
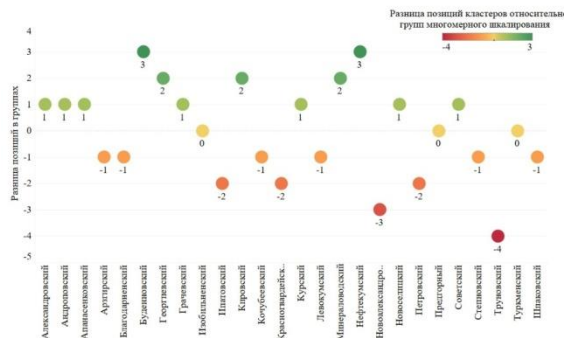
The purpose of the scientific project is the development and practical implementation of a methodology for constructing a multidimensional assessment spectrum of rural development levels based on a comparison of objective and subjective structured information about the studied objects.

Project objectives

- improving the mechanism for regulating the processes of collecting, processing, storing and exchanging information on the ecological, socio-economic development of rural areas;
- a study of the socio-economic condition of rural areas of the Stavropol Territory, based on a sociological survey of villagers;
- formation and implementation of a methodology for multidimensional grouping of rural territories, which allows integrating objective and subjective assessments of their key subsystems into a single assessment complex.



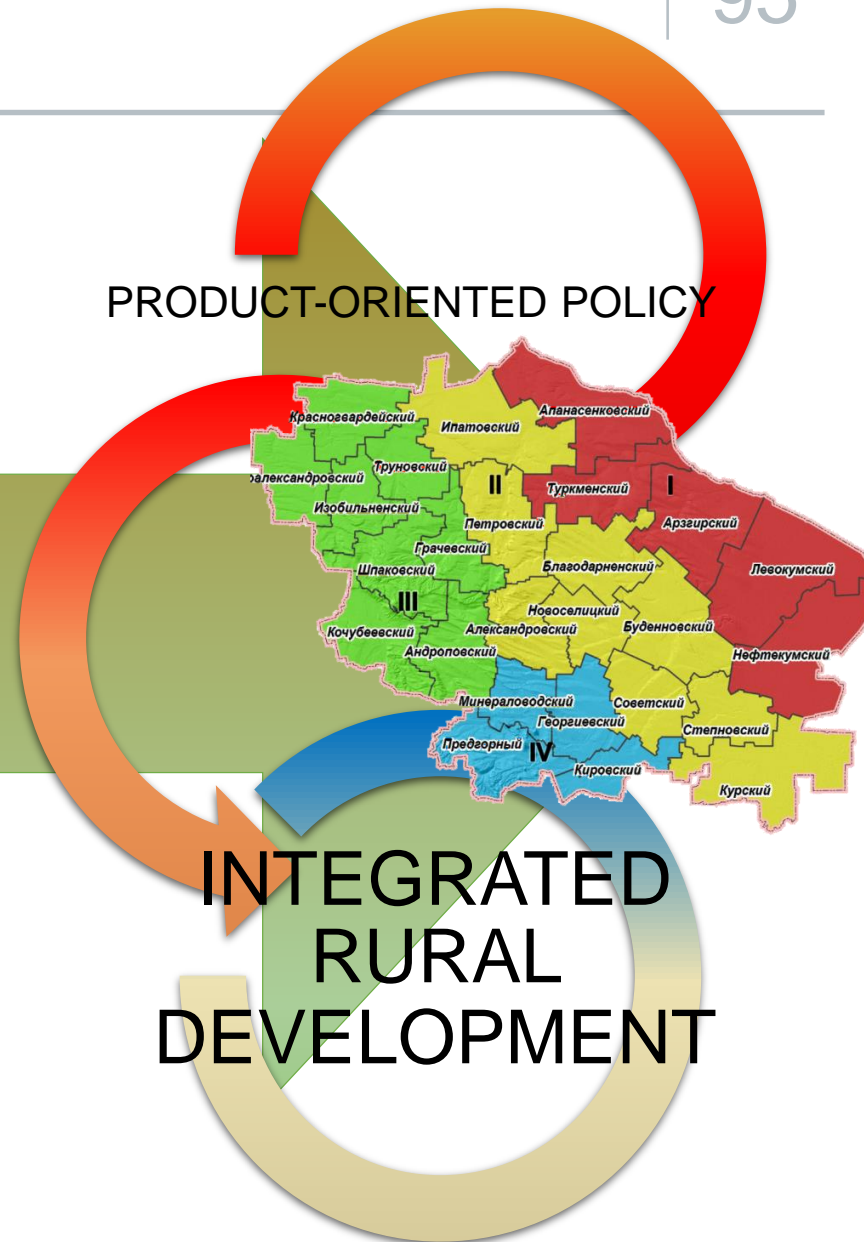
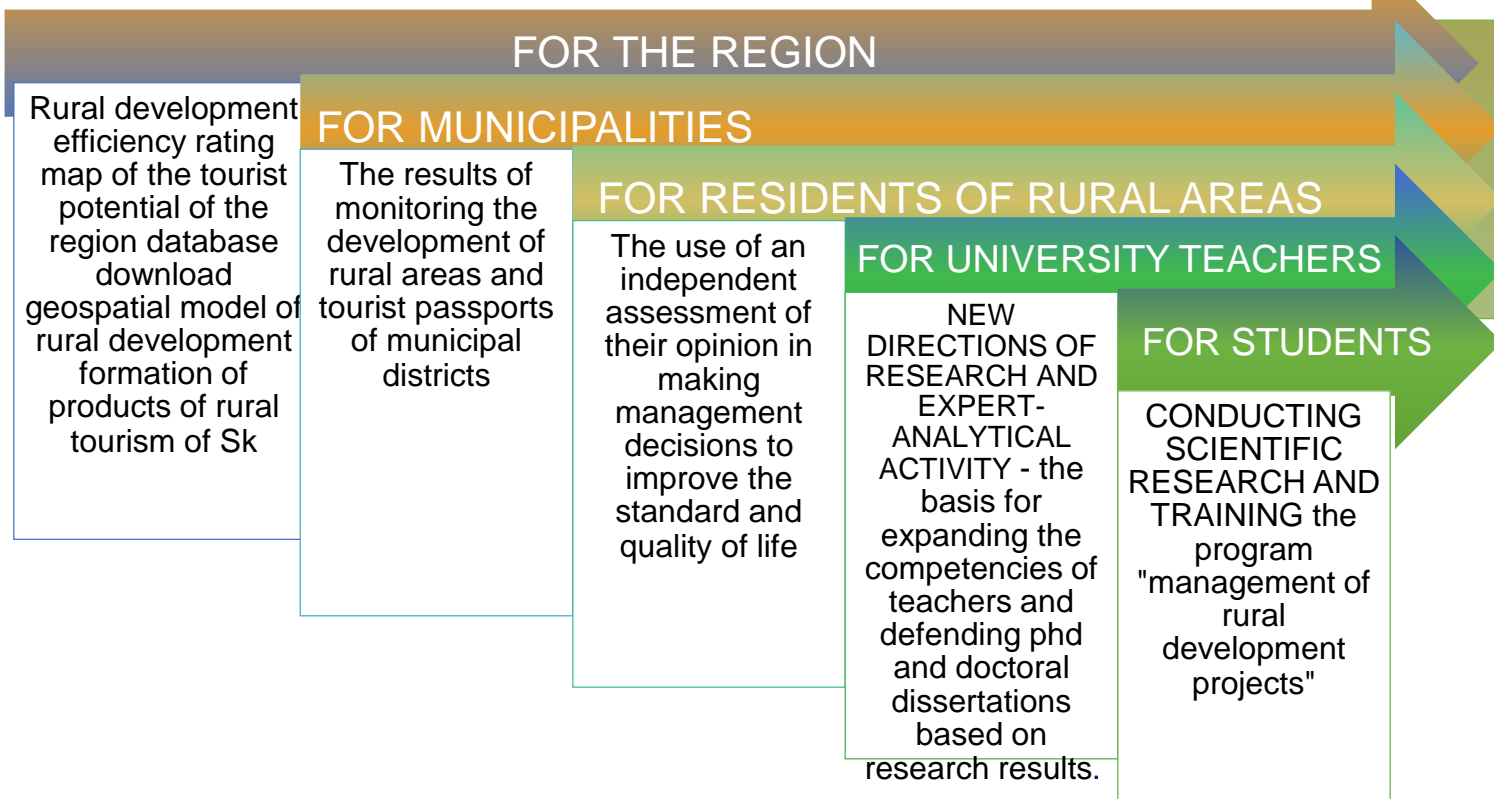
The results of the multidimensional grouping of rural areas



In 2022-2023, 25,000 rural residents from 26 municipal and urban districts of the Stavropol Territory took part in the surveys

THE RESULT OF THE STRATEGIC PROJECT

PRODUCT-ORIENTED POLICY





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9 INDUSTRY,
INNOVATION
AND INFRASTRUCTURE



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A Simulation Device Model for Managing Access to Confidential Information Stored in a Cloud / Troshkov A., Malofey A., Malofey O., Bondar V. // Lecture Notes in Networks and Systems. 2022. Vol. 424. P. 291-300.

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9 INDUSTRY,
INNOVATION
AND INFRASTRUCTURE



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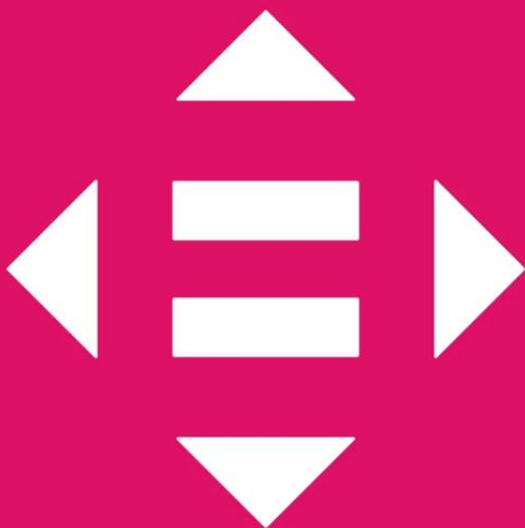
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10 REDUCED INEQUALITIES

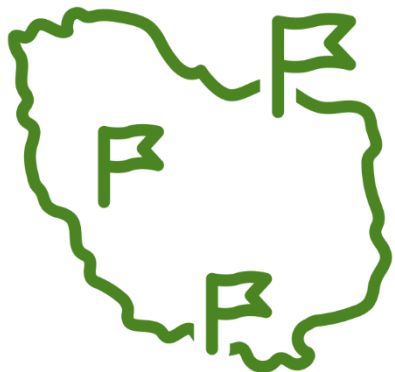


**Goal 10:
Reduce inequality
within and
among countries**

Educational programs for training specialists in the field of sustainable development of territories

In 2023, the university implemented the following educational programs dedicated to reducing the level of inequality within and between countries:

- 38.03.01 Economics - World Economy
- 38.03.04 State and municipal administration - Municipal administration
- 38.03.04 State and municipal administration - Regional Administration
- 38.04.04 State and municipal administration - State Regional Administration
- 38.04.02 Management - Human Resource management
- 38.04.02 Management - Project Management



Scientific and educational projects in the field of reducing inequality within and between countries



SSAU together with HSE University has created a mirror laboratory to develop a new spatially differentiated approach to the management of the Stavropol agro-industrial complex.

The Laboratory for Monitoring Sustainable Socio-Economic Development of Rural Areas of Stavropol State Agrarian University together with the Institute of Agrarian Research of the Higher School of Economics (Moscow) is implementing a project in the direction of "Spatial analysis as a key tool for managing rural development in the region: principles, methods, practical recommendations".



Scientific and educational projects in the field of reducing inequality within and between countries



The new laboratory is developing a new spatially differentiated approach to the management of the agro-industrial complex of Stavropol Krai.

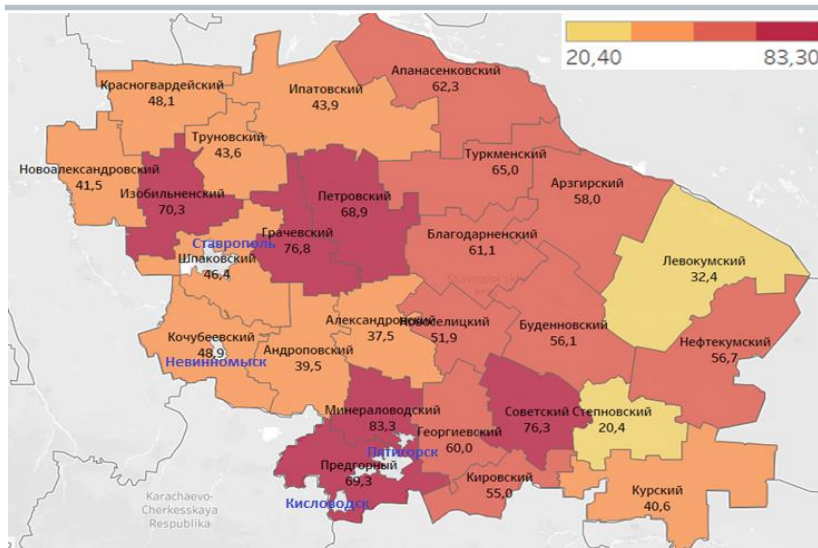
GIS technologies are used to create a project that is potentially in demand throughout the country.

Criteria are being developed to accurately determine the level of development of a particular territory.

The next stage of the work will be the approbation of the methodology in certain areas of Stavropol.

According to the results of the research, scientists will give not only proposals for the zoning of the region, but also recommendations for the authorities on measures to support the agro-industrial complex.





The proportion of rural residents who do not consider the development of alternative employment as a priority, %



Key areas of work:

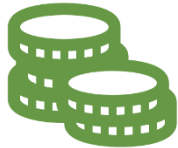
1. Collection, compilation and analysis of data on the socio-economic condition of the municipality, through a comprehensive survey of the territory. Preparation of analytical materials.
2. Formation of a database and indicators of the level of socio-economic condition of the territory of municipalities and the region
3. Monitoring of socio-economic development of the municipality and development of recommendations for its development management
4. Forecasting of socio-economic development of municipalities
5. Development of a Strategy for the socio-economic development of the municipality
6. Development of the passport of the municipality and recommendations for its management
7. Consulting support of regional and municipal authorities on issues of integrated rural development



Identified problems of rural development



The outflow of the able-bodied population. Depopulation of rural areas



Low income level of the rural population



Aging of the rural population and youth by the age of 18



Low employment and high unemployment



Diversification of activities





Creation of a problem-oriented center for rural development in the South of Russia

SOLUTIONS

Rural Development Center of the South of Russia

- ✓ Identification, analysis and development of solutions based on the social expectations of rural residents
- ✓ Monitoring the effectiveness and quality of the implementation of federal, regional, and municipal programs
- ✓ Professional development of management teams



RESULTS

Profiles of rural areas
(for the population, entrepreneurs,
authorities)

Development strategies of
26 city and municipal districts

Geo-information system
“Rural territories of the
region”

New educational programs (Master’s
degree and APE)

30%

The growth of the
tourist flow

12

Quality of life
standards



For the third year now, within the framework of the Priority 2030 program, SSAU scientists have been conducting a large-scale analysis of the socio-economic state of rural territories of the region.

Every year, groups of analysts, which include staff and students, travel to the villages of the region to conduct sociological research. They study the opinions and moods of local residents, learn about problems with living and working conditions in rural areas.

The collected data is carefully analyzed and used in scientific activities. The array of these data will allow us to form a large analytical base, based on which local governments will be able to create new growth points, eliminate sore spots, and implement the most effective mechanisms to maximize the potential of rural areas.





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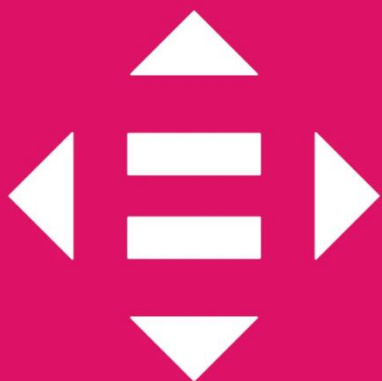
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10 REDUCED
INEQUALITIES



NEGATIVE TRANSFORMATION OF AGRICULTURAL LANDS AND THEIR PROTECTION IN JSC "AGRICULTURAL ENTERPRISE KOLOS" OF THE KOCHUBEYEVSKY MUNICIPAL DISTRICT OF THE STAVROPOL TERRITORY/Loshakov A., Odintsov S., Melnik M., Kipa L., Ivannikov D./В сборнике: E3S Web of Conferences. EBWFF 2023 - International Scientific Conference Ecological and Biological Well-Being of Flora and Fauna (Part 1). 2023. С. 03015.

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11 SUSTAINABLE CITIES AND COMMUNITIES



**Goal 11:
Make cities inclusive, safe,
resilient
and sustainable**

General information on SSAU



In terms of the occupied area, SSAU is one of the largest agricultural universities in the country, which in its structure has 105 real estate objects with a total area of 163,958.41 sq. m, including: 124.3 thousand sq. m - educational and laboratory facilities (75.8%); 37.6 thousand sq. m - hostels; 9459.1 hectares of land, of which 9422 hectares are agricultural lands.

The University campus facilities are located in several areas - in the center of Stavropol and in the industrial zone of the city, which sets the priorities of the campus policy.

Student dormitories are located within walking distance from educational buildings in each of the territories. The University pays much attention to ensuring the security of all its facilities, therefore, starting in 2013, a modern access control system (ACS) based on the Sigur software, developed at the University, has been introduced.

All buildings and structures are included in a unified access control and management system.

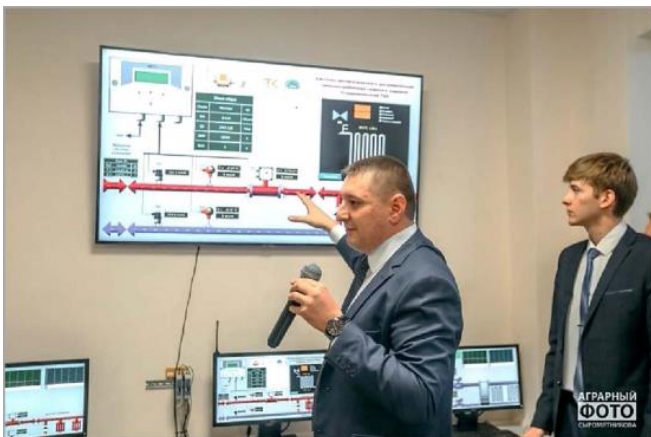
The University became the first university in the South of Russia to introduce a biometric facial recognition system using artificial intelligence and computer vision "Vizir", which identifies visitors passing through the turnstile.

The ACS system includes 35 turnstiles and 440 video surveillance cameras.

Educational and research laboratory of SSAU "Energy efficient Technologies heat consumption and dispatching"



Faculty of Electrical Power



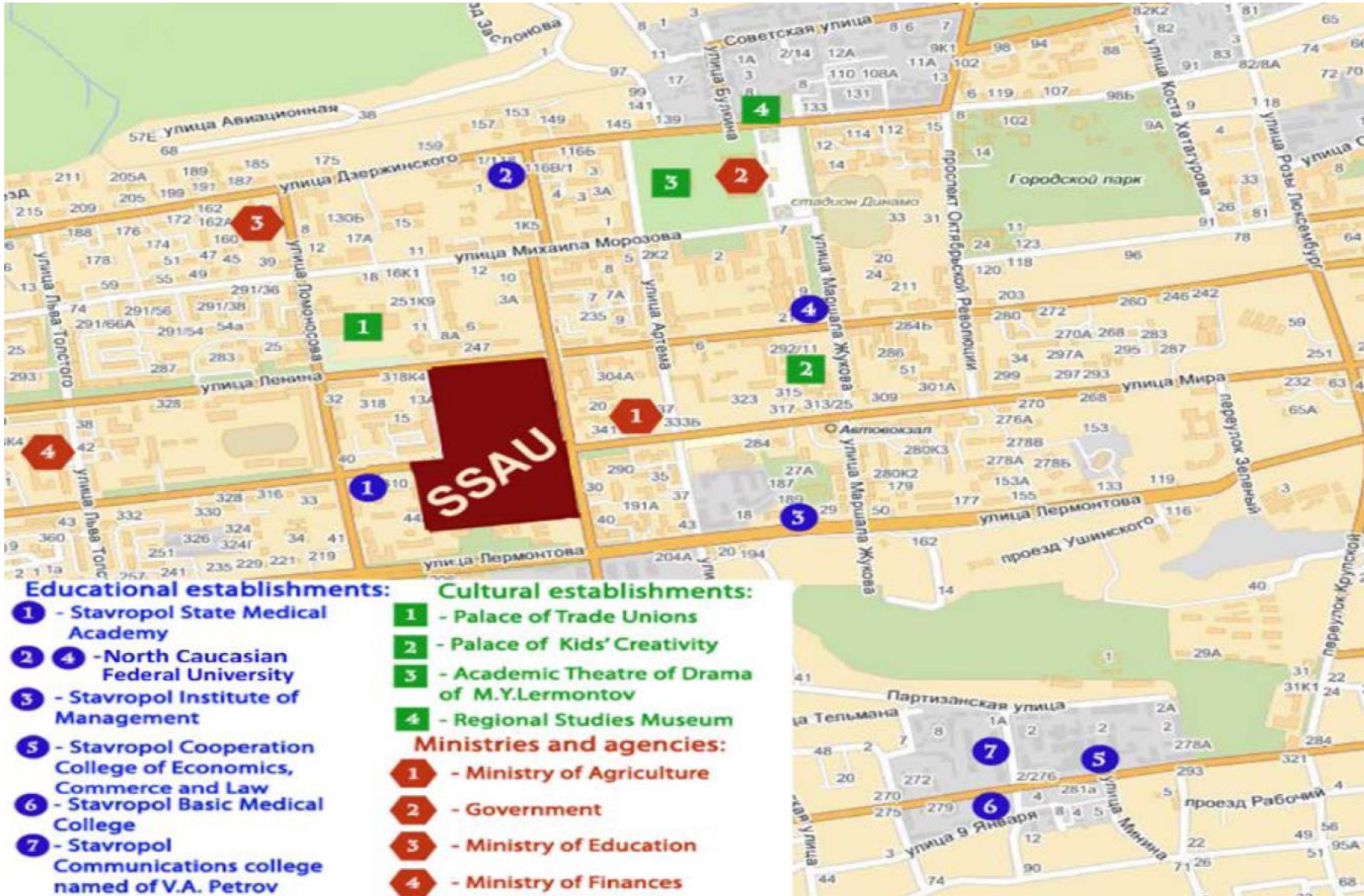
In 2018, SSAU together with strategic partners - the companies TEPLocom, VZLET (St. Petersburg) and JSC Teploset (Stavropol) developed and implemented an automated complex for remote dispatch control and management into the thermal power system of SSAU heat consumption parameters of the university, which allows real-time remote monitoring and control of heat consumption parameters (heating and hot water supply systems), taking into account automatic weather compensation of the coolant temperature. Savings of the University from the introduction of this system in 2019-2020 amounted to 135,714.28 euros.



A comprehensive system of alternative energy sources also operates on the campus, which allows illuminating both the inner and the adjacent urban area at night.



General information on SSAU Social environment of the main building of the university



Providing public access to buildings and / or monuments or landscapes of natural heritage of cultural significance



1887, the building of the Caucasian Diocesan Women's School

In 1875, on the initiative of Bishop German of the Caucasus and Yekaterinodar, by decree of the Holy Government Synod and with the permission of Emperor Alexander II, a diocesan school for women was opened in Stavropol. In 1887, according to the project of the famous Stavropol architect Fyodor Karlovich Knorre, the own building of the Caucasian Diocesan Women's School was erected on the northeastern side of Sofievskaya Square. This extraordinary three-storey building made of polished shell-rock, facing Nevinnomysskaya street (today - Mira street), has become a special phenomenon in the provincial center. On its third floor, in a large hall full of sunlight, a house church in honor of the Tikhvin Icon of the Mother of God, renamed in 1896 in honor of the Intercession of the Most Holy Theotokos, settled. The building soon became cramped for three hundred pupils and teachers of the school. In 1908, engineer and architect Grigory Kuskov proposed a project to expand the building. No less venerable architect Andrian Petrovich Bulygin proposed his project. It was this project of expanding the building at the expense of an extension on Mitrofanovsky (today - Zootechnical) lane that was approved by a special diocesan commission. In 1910, the construction of a three-story extension began, to a large extent repeating the facade drawing of the first building.



2023 the Main building of the main campus of SSAU

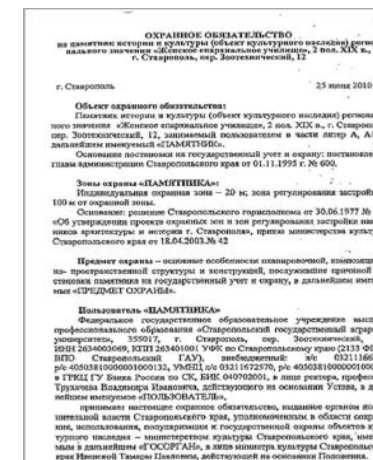
The construction lasted for over five years. The newly built building with two main entrances was an example of urban planning, becoming the most majestic in Stavropol.

In 1932, the sheep breeding institute moved from Moscow to the building of the former diocesan school, later transformed into SSAU.

The building of the main building of SSAU is officially recognized as a historical and cultural monument of regional significance.



A protective commitment that confirms the historical and cultural value of the main building of SSAU



Providing public access to buildings and / or monuments or landscapes of natural heritage of cultural significance

Territory of the Main building of SSAU -

an open area for city, regional, federal and international projects, events, programs in the field of culture and sports, volunteering, dialogue between the authorities and the local community





The flower beds of the Agrarian University are the decoration of the regional capital!

The well-maintained, flourishing territory of Stavropol State Agrarian University is recognized as the best in the city from year to year.

The bright floral palette combined with the excellent green decoration of trees and shrubs really pleases not only our students, but also the citizens of Stavropol.

And all this multicolored beauty was created by the hands of agricultural students and their mentors! Read more in the video

https://vk.com/wall-215489923_6019?ysclid=m238v6zily403500875



Providing public access to buildings and / or monuments or landscapes of natural heritage of cultural significance

A new youth square has been opened in Stavropol. A unique space for students has appeared on the territory of Stavropol State Agrarian University — the youth square. The total area of the recreation area is about 4 thousand square meters.

The opening ceremony of the park was attended by Deputy of the State Duma of the Russian Federation Olga Timofeeva, head of Stavropol Ivan Ulyanchenko, rector of the university Vladimir Sitnikov, as well as industrial partners of the university.

The Youth Square stretches almost the entire length of the campus: from Lenin Street to Mira Street. There is an amphitheater on its territory, designed for 650 people and equipped with modern multimedia equipment. A "pedestrian" LED fountain was also installed here, recreation areas with benches, canopies and urns were landscaped. In addition, trees have been planted in the park, lawns have been laid and night lighting elements have been installed.



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Providing public access to buildings and / or monuments or landscapes of natural heritage of cultural significance



Among the significant objects of the country's historical and cultural heritage there are buildings-objects of cultural heritage of regional significance. For example, on Mira street 345 in Stavropol there is a "House where general and historian I.D. Popko ". The historical monument was built in 1860. Today, this building houses the educational and laboratory building of SSAU, on the basis of which advanced training and professional training programs, as well as free education and retraining programs for people over 55 years old, are implemented.

Ivan Diomidovich Popko was the best connoisseur and writer of Cossack history, his works were published and highly appreciated even at the St. Petersburg Academy of Sciences.

For a long time, the building was in a state requiring major overhaul; it housed a night restaurant and private grocery stores. SSAU managed to obtain the right to manage the "House where the general and historian I.D. Popko "and by 2019 the building was overhauled and an official security obligation was received for it as an object of cultural heritage of regional significance (Stavropol Territory).

'The house where the general and historian lived I.D. Popko ', 2019



Protective obligation as an object of cultural heritage of regional significance





"Monument to Student Records-Book" on the territory adjacent to the main building of SSAU

The young man, deeply immersed in the study of a textbook against the background of a huge record book, "sits" at the intersection of Lenin Street and Zootekhnicheskyy Lane, not far from the entrance to Stavropol State Agrarian University (SSAU).

The sculpture is 1 meter and 70 centimeters high and 3 meters wide. The author of the composition is Stavropol sculptor Vasily Chuikov, a member of the Union of Designers of Russia, laureate of the Governor's Prize in design.

Chuikov himself sincerely hopes that the monument will become a place of pilgrimage for students.

Indeed, not even an hour has passed since the opening, and the students have already come up with a new tradition - if you want to get a "pass" or "excellent" in the exam, be sure to touch the bronze record.





In the very center of the city of Stavropol, at the intersection of Pushkin and Lenin streets along the perimeter of the educational buildings of SSAU, in March 2019, the grand opening of Student Avenue took place. The holiday was attended by the first persons of the city and the region. The grand opening of Student Prospect united the youth of the city of Stavropol - more than 2,000 people took part in a significant historical event.

The Governor of the Stavropol Territory, Vladimir Vladimirovich Vladimirov, addressed the young generation with a welcoming speech: "For about 20 years, the long-term construction at this place was surrounded by a fence. And only in 2019, through the joint efforts of the city authorities and SSAU, the territory around the educational buildings of SSAU was equipped as a wide pedestrian zone with benches, lighting and "green" areas - 38 decorative linden trees, which were bred specifically for the urban environment.

Mayor of the city of Stavropol, graduate of SSAU (1984) -Andrei Khasanovich Dzhatdov (03.09.1962 - 30.04.2020) recalled his student years, within the walls of the university, noted the development of SSAU: "The new Student Avenue will become a favorite place of communication for all students of the city of Stavropol the pearl of the urban environment".

Providing free public access to open green spaces of SSAU Examples of landscape designs of territories adjacent to SSAU

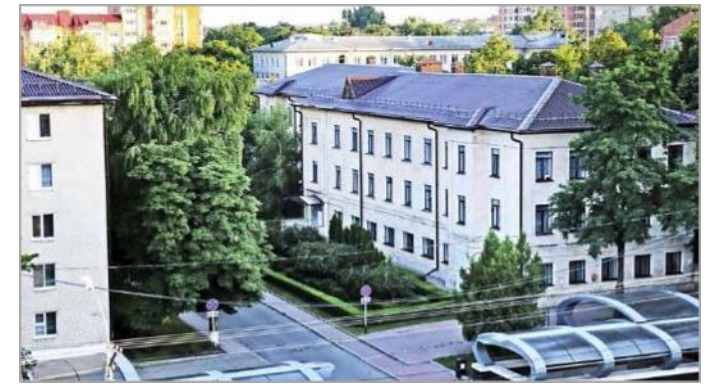
SSAU campuses are an integral space of educational, administrative buildings, student dormitories, sports complexes, outdoor sports grounds. The campus areas are open to the public. The main campus of SSAU is located in the very center of the city of Stavropol, which for many years has been the leader of the All-Russian competition for the most comfortable urban (rural) settlement. SSAU, sharing the policy of improvement of the city of Stavropol, since 2015, has been the winner of the city competition "The best territory adjacent to an enterprise, institution".



Territory of SSAU campus No. 2 - faculties biotechnological and veterinary medicine



Territory of the main campus of SSAU No. 1



Adjacent to SSAU dormitories city alley leading to the underpass - landscaping is maintained by SSAU specialists



The territory of the SSAU campus No. 2 - the alley leading to the operating veterinary clinic of SSAU, serving the pets of the city residents



Adjacent to the main building of SSAU No. 1 city alley leading to the underpass - lawns created by SSAU specialists



Flower beds at the central entrance new 11-storey dormitory of SSAU, decorated by specialists

Providing free public access to open green spaces of SSAU Improvement of the streets of the city of Stavropol and the territories adjacent to the city



Territory of Kindergarten "Zhuravushka" next to campus number 1



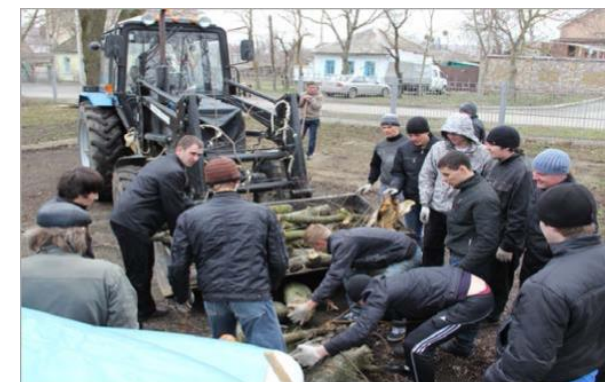
Old objects of the city of Stavropol



The adjacent territory to the campus of SSAU number 2 park zones



Territory of multi-apartment 9-storey houses located near dormitories of SSAU campus number 1



Territory of private households, located near the campus of SSAU number 2

Priority of pedestrian access in SSAU campuses

The facilities of each of the 2 SSAU campuses - educational buildings, laboratories, utility rooms, dormitories, sports facilities are located within walking distance inside the SSAU territory.

But since each campus occupies one or two blocks in the city, and some facilities are located on opposite sides of city highways, SSAU pays special attention to the presence of pedestrian zones that ensure safe movement in the urban areas adjacent to the university not only for its employees and students, but and for city dwellers. Therefore, all objects of SSAU campuses can be reached via pedestrian crossings and an underground passage.



Underground passage from educational buildings of the main campus to 3 dormitories of SSAU

Pedestrian crossings leading to the educational buildings of the main campus and to the 11-storey dormitory of SSAU

Pedestrian crossings leading to the educational buildings of the main campus and to the 11-storey dormitory of SSAU

Priority of pedestrian access in SSAU campuses

SSAU campus facilities are located in the very center of the city of Stavropol and in the center of one from the sleeping areas of the city of Stavropol, therefore SSAU took on voluntary responsibility for the improvement, lighting and landscaping of the urban areas adjacent to the buildings and dormitories of the campus.

SSAU, with the support of the Stavropol city administration, overhauled the underground passage through which students and residents of the city can safely go both to SSAU campus facilities and to other city objects - the perinatal center of the Stavropol Territory, an old church, kindergartens for children aged 3 to 7 years.

SSAU ensures the cleanliness of the underpass, and in winter - a safe anti-slip coating of the steps of the transition.



Underpass, 2000 - 2017



Underpass, 2022

Bicycle parking on the campuses of SSAU

Walking is a priority way to move around the campuses of SSAU. Free entry and exit of cars is prohibited on the territory of SSAU. The territory of the campuses is equipped with bicycle parking.



Provision of affordable housing for students (dormitories)



SSAU has 5 hostels for students. Places in the Campus are provided: nonresident and foreign students and postgraduates students of advanced training and professional retraining programs guests of SSAU for the period of their participation in the implementation of joint projects. Places in the dormitories of the Campus allocated to nonresident family students are determined by a joint decision of the SSAU administration and the student trade union based on the available housing stock.



To represent the interests of students in each hostel, there is a collegial public body of self-government - the student council of the hostel.



Student rooms correspond to the standards of equipment of student dormitories, are equipped with everything necessary for living -furniture and other equipment.

Equipped places for self-study, equipped with Internet access; a library, gyms and sports halls, conditions for the work of creative studios have been created.



The sports rooms of the hostels are equipped with exercise bikes, power trainers, wall bars, and punching bags.

On the territory of student dormitories there is a workout area, a universal sports ground with three play areas for volleyball, streetball and badminton.



Providing affordable housing for employees An apartment building built for university staff



In 2005, a plot of land was allocated from federal land for SSAU for the construction of a multi-storey residential complex on Lenin Street, 482/1 with an area of 6301 m² with the transfer of the house to the permanent use of SSAU.

The construction of a multi-storey residential building was entrusted to the housing construction cooperative "Agrariy", which consists of SSAU employees - the future owners of apartments.

When designing the house, the requirements for compliance with environmental protection requirements were taken into account as much as possible, as well as for creating maximum convenience and comfort for apartment owners - the presence of a closed courtyard, a recreation area for adults and children, access roads, a parking area for personal vehicles, etc.

In November 2008, the house for employees was put into operation, and in the period 2009-2019. 223 employees with their families moved into the house. Until 2008, SSAU did not have its own house providing housing for its employees.



On October 19, 2019, on the basis of the new educational building of SSAU, the official opening of the collective work space "Boiling points of SSAU" took place.



The boiling point is a project of the Agency for Strategic Initiatives (ASI), which was launched in 2014 in Moscow.

In 2019, within the framework of the federal project, 82 "Boiling Points" were opened, of which 54 were created on the basis of universities. In 2019, the "Boiling Point of SSAU" was the only space for collective work opened on the basis of an agricultural university (there are 54 agricultural universities in Russia) as part of a project of the Agency for Strategic Initiatives.

Each of the Boiling Points has its own agenda and reflects the specifics of the region. "Boiling point of SSAU" is focused on the agricultural sector of the economy. The key areas are the promising markets of FoodNet (all segments), TechNet (competence in rapid 3D prototyping), EnergyNet (alternative energy for agriculture) and EduNet (educational technologies in the agricultural education system). "



Mission "Boiling points" - rebranding of agriculture in the Stavropol Territory through improvement training systems for the future



The number of events within the Boiling Point - more than **250** The number of event participants - more than **6,000 people**

Participants

- Students and schoolchildren
- Young Scientists
- University teachers and staff
- Representatives of business, public organizations and authorities
- Volunteers



Event formats

- HAKATON
- BUSINESS
- ACCELERATOR
- TRAINING
- PRESS
- CONFERENCES
- FORESIGHT
- MEETINGS OF THE WORKING GROUPS
- STRATEGIC SESSIONS
- BRIEFING



Center for youth innovative creativity **Fab Lab "VECTOR"** on the basis of SSAU - the first in Russia * (* - at the time of creation in 2017), accredited according to WorldSkills Russia standards, the national center for the competence "Prototyping" - conducts intensives, master classes, training for schoolchildren, students on a free basis



Championship



Zavyalik Fedor



Korolevsky
Maxim



Visilev Dmitry

Providing public access to libraries, including books and publications Library as a center for scientific communication and accessible education



Total area – 2300 m²



Storage facility – 700 m²



Reading room – 568,6 m²

User space – 1600 m²

Auxiliary storage – 186,6 m²

library infrastructure:

- Center for Bibliographic and Scientometric Information
- Educational support center
- Scientific library media center
- Reading room for researchers
- Reading room for visitors and library guests



Providing public access to libraries, including books and publications Construction of new buildings in accordance with environmental standards



New academic building

Total area - **26 745,8 m²**
Teaching and laboratory area - **20 317 m²**
Auditorium capacity - **800 pl.**
Library area - **3 900 m² (720 pl.)**
Auditorium fund (**63 rooms**)
Number of training places - **2542 pcs**
Number of workplaces - **353 pcs**



Conference hall



Lecture hall-transformer "AtriUm"



Library co-working center



Lecture auditorium

Providing public access to museums, exhibition spaces

The History Museum of SSAU



The History Museum of Stavropol State Agrarian University has more than 45 years of history.

The museum is the keeper of history, the memory of the university. Here you can get acquainted with the cultural and historical heritage of the university entrants, students, and its guests. Employees come here to share interesting material or, on the contrary, to get the information they need. After all, the history of SSAU is not only the history of buildings, classrooms, educational buildings, it is, first of all, the history of the formation of the teaching staff, the development of scientific schools.

That is why the Museum of the History of the University is a unique place for storing the rich history of SSAU and its traditions, a place for students to familiarize themselves with this priceless heritage.

Currently, there are 30 exhibition showcases in the museum hall, where more than 5 thousand exhibits are presented.



The Museum of History is implementing the Open Museum project, within the framework of which the residents of the city of Stavropol and its guests can plunge into the history of the development of SSAU and the agro-industrial complex of the Stavropol Territory.

More than 2,500 people visit the Museum of History annually

The interethnic council of SSAU unites representatives of 8 diasporas



Key areas of work of the Interethnic Council strengthening friendly ties and interaction with national cultural centers of the region to maintain interethnic peace and interreligious harmony in the Stavropol Territory and the North Caucasian Federal District; implementation of cultural, educational programs and public initiatives that ensure the preservation and development of traditional culture, education and a distinctive way of life of representatives of ethnic groups studying at SSAU



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11 SUSTAINABLE CITIES
AND COMMUNITIES



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ANALYSIS OF LAND MANAGEMENT EXPERTISE IN ORDER TO DETERMINE THE LOCATION OF THE BOUNDARIES OF A RESIDENTIAL BUILDING AND LAND PLOT/Odintcov S., Loshakov A., Kipa L., Kasmynina M., Melnik M./В сборнике: E3S Web of Conferences. II International Conference on Environmental Technologies and Engineering for Sustainable Development (ETESD-II 2023). Tashkent, 2023. С. 04007.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



**Goal 12:
Ensure
sustainable
consumption and
production patterns**

In 2023, the university implemented the following educational programs dedicated to ensuring rational consumption and production models:

05.04.06 Ecology and nature management, Environmental management in the organization
05.04.06 Ecology and nature management, Innovative technologies in the field of resource conservation and environmental control

38.04.01 Economics, Economics and business in the context of digitalization

38.04.01 Economics, Economic and legal support of business

38.03.05 Business informatics, Electronic business

38.04.01 Economics, Audit and Financial Consulting

38.04.01 Economics, Accounting and tax consulting

38.04.01 Economics, Economic and financial security

38.04.01 Economics, Management accounting and controlling

38.04.02 Management, Financial management

23.04.03 Operation of transport and technological machines and complexes, Reliability and efficiency of technical means



Educational programs for training specialists in the field of ensuring rational consumption and production models

The University implements the following professional development programs dedicated to ensuring rational consumption and production models:

- Lean manufacturing technologies in the agro-industrial complex
- Environmentally safe handling of animal by-products in the agro-ecosystem
- Techniques and means of biological protection against harmful organisms in the production of crop with improved characteristics
- Optimization of the machine and tractor fleet for specific conditions of farms in the conditions of digital transformation of the agro-industrial complex
- Current changes in procurement activities
- State and municipal procurement management
- Contract system in the field of procurement



Within the framework of achieving the sustainable development goal “Goal 12: Ensure sustainable consumption and production patterns”, the university implements :

- **Hazardous Waste Disposal Policy**
- **Plastic Waste Reduction Policy**
- **Policies that ensure sustainable food cultivation**
- **Supplier’s Code of Ethics.**



ПОЛИТИКА ПО СОКРАЩЕНИЮ ПЛАСТИКОВЫХ ОТХОДОВ

Ресурсосбережение, обеспечение экологической безопасности, рационального использования природных ресурсов и охраны окружающей среды в настоящее время являются приоритетными направлениями в рамках реализации курса на устойчивое развитие. Одной из нерешенных задач на федеральном и региональном уровнях является создание инновационной, технико-экономической системы, позволяющей минимизировать количество пластиковых отходов, максимально обеспечив при этом ресурсосбережение, повторное вовлечение в хозяйственный оборот утилизируемых компонентов отходов в качестве сырья, материалов, изделий, превращение отходов во вторичное сырье для изготовления новой продукции и получения энергии.

Устойчивое развитие в данной сфере предусматривает требования к системе обращения с пластиковыми отходами. Для их выполнения принят порядок приоритетов в управлении потоками пластиковых отходов, регламентирующий использование таких возможностей, как



Общие положения

1. В Кодексе делового поведения Закупщика и Поставщика (далее - Кодекс) Ставропольского государственного аграрного университета используются следующие понятия:

Закупщик – работник Ставропольского государственного аграрного университета (далее – СГАУ), участвующий в организации и проведении закупки товаров, работ, услуг для нужд СГАУ.

Поставщик – юридическое или физическое лицо, в том числе индивидуальный предприниматель, способное поставить необходимые для СГАУ товары, выполнить работы, оказать услуги, и участвующий в закупках СГАУ.

2. Никакое положение настоящего Кодекса не должно толковаться как предписывающее или допускающее совершение деяний, противоречащих требованиям законодательства о закупках.

3. СГАУ поддерживает такие принципы сотрудничества с Поставщиками, как добросовестная конкуренция, открытость и честность.

СГАУ дорожит своей репутацией честного, открытого и законопослушного участника закупочного процесса и стремится к укреплению доверия со стороны делового сообщества. Репутация СГАУ,

Scientific and educational projects in the field of ensuring rational consumption and production models



Separate garbage collection is carried out at the university: paper; plastic; others.

There is a student volunteer group "Ecologist".

During the year, the student environmental group "Ecologist" organized the third, fourth and fifth competitions "Caps. Waste paper. Batteries" for higher and secondary educational institutions of the city, where prizes were waiting for participants.

As a result we collected 40 educational institutions participated, more than 130 kilograms of batteries, almost 107 kilograms of plastic bottle caps and over 4 thousand kilograms of waste paper.



Environmental Monitoring Laboratory

The main scientific activity of the laboratory is ecological monitoring of natural and anthropogenic-disturbed ecosystems.

As part of the implementation of the direction, research is being conducted in the field of :

- assessment of the composition and quality of natural mineral waters of the North Caucasus and Southern Russia;
- conducting a comprehensive environmental survey of specially protected territories of regional significance;
- determination of the level of degradation of ecosystems of low-water areas;
- monitoring and assessment of the vegetation condition of techno-genically disturbed territories;
- development of methods for processing curd and cheese whey);
- preparation of biologically active preparations of a given composition and properties based on salt concentrates of whey and mineral waters.

On the basis of the strategic partner of CJSC Shpakovskaya Poultry Farm, a resource-saving technology for processing poultry waste has been introduced: environmentally friendly biologically active fertilizers (ECOBAF), environmentally friendly granular organic fertilizers (ECOGOF), protein-vitamin concentrate (PVC) and an alternative energy source - biogas. 5 patents for technical devices, 2 patents for a method of obtaining organic fertilizers. ECOBAF fertilizers are recommended for growing cereals, legumes, oilseeds, vegetables, berries. The laboratory offers individual studies together with the customer in his fields on the effectiveness of the use of fertilizers (ECOBAF) for different agricultural crops.



Participation of young people in ensuring rational consumption and production models



The North Caucasus Interregional Environmental Forum was held on September 27, 2023 in Stavropol. On 24, representatives of government, science, business and the public from all over the North Caucasus Federal District gathered at the site of Stavropol State Agrarian University.

<https://vk.com/staveco>

<https://stavropol.tpprf.ru/ru/news/512849/>



Scientific articles on achieving the Sustainable Development Goal



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THE GAME APPROACH TO UTILIZING THE PUBLIC-PRIVATE PARTNERSHIP MECHANISM FOR SUSTAINABLE DEVELOPMENT/Kitsai Yu.A., Miroshnichenko N.V., Morozova I.A., Leybert T.B./В сборнике: Game Strategies for Business Integration in the Digital Economy. . Bingley, 2023. С. 91-100.



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FURTHER RESEARCH DIRECTIONS FOR FOSTERING DIGITAL TRANSFORMATION OF AGRICULTURE IN RUSSIA AND BEYOND/Trukhachev V.I./В сборнике: Unlocking Digital Transformation of Agricultural Enterprises. Technology Advances, Digital Ecosystems, and Innovative Firm Governance. Сер. "Innovation, Technology, and Knowledge Management" Cham, 2023. С. 299-303.

INNOVATIVE SOLUTIONS AND CURRENT TRENDS IN AGRARIAN ECONOMY IN THE DIGITAL ERA: CHAYANOV ON THE LABOR-CONSUMING BALANCE OF THE PEASANT ECONOMY AND ITS DETERMINING FACTORS/Trukhachev V.I., Gaisin R.S./В сборнике: Unlocking Digital Transformation of Agricultural Enterprises. Technology Advances, Digital Ecosystems, and Innovative Firm Governance. Сер. "Innovation, Technology, and Knowledge Management" Cham, 2023. С. 133-142.

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13 CLIMATE ACTION



**Goal 13:
Take urgent action to
combat climate change
and its impacts**

EGSD	The direction of training	Profile	Disciplines	credits
05.00.00 Earth Sciences	05.03.06 Ecology and nature management	Environmental protection and environmental safety	<ol style="list-style-type: none"> 1. ESG -transformation 2. Fundamentals of environmental management 3. Social ecology 4. Sustainable development 	12/432
38.00.00 Economics and Management	38.03.01 Economics	Global agricultural markets (network with MGIMO)	ESG -transformation	2/72
	38.04.02 Management	Project management	<ol style="list-style-type: none"> 1. Ecology 2. Environmental, Social and Corporate Governance (ESG) 	4/144
	38.04.02 Management	Rural development project management	<ol style="list-style-type: none"> 1. ESG technologies 2. Change management and sustainable rural development 	6/216

Achieving sustainable development goals in the national agri-food system



Cherednichenko Olga Alexandrovna,
Associate Professor of the
Department of Economic Theory,
Marketing and Agroeconomics



Natalia Dovgotko,
Associate Professor of the Department of
Economic Theory, Marketing and
Agroeconomics

The results of the implementation of the RFBR scientific project No. 20-010-00375

"Methodology for the formation and development of an organizational and economic mechanism for achieving sustainable development goals in the national agro-food system"

Published on the topic of the study 28 articles, of which:16 are in journals indexed in the databases Web of Science, Scopus (2 articles Q1), RSCI, HAC

The results of the study were presented at 14 international and regional conferences at Moscow State University, St. Petersburg State University, IPRE RAS, Institute of Economics and Industrial Engineering, Siberian Branch of the Russian Academy of Sciences, SFU, etc.



The purpose of the project is to conduct theoretical and experimental research for the scientific and practical substantiation of the concept of low-carbon development of the agricultural sector of the economy and the development of a set of sectoral measures for structural and technological transformation and adaptation of agribusiness in the Stavropol Territory to climate change

Project objectives :

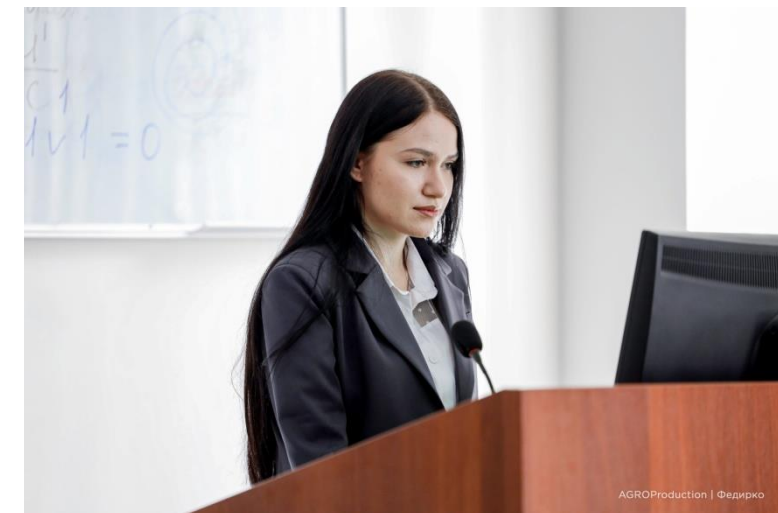
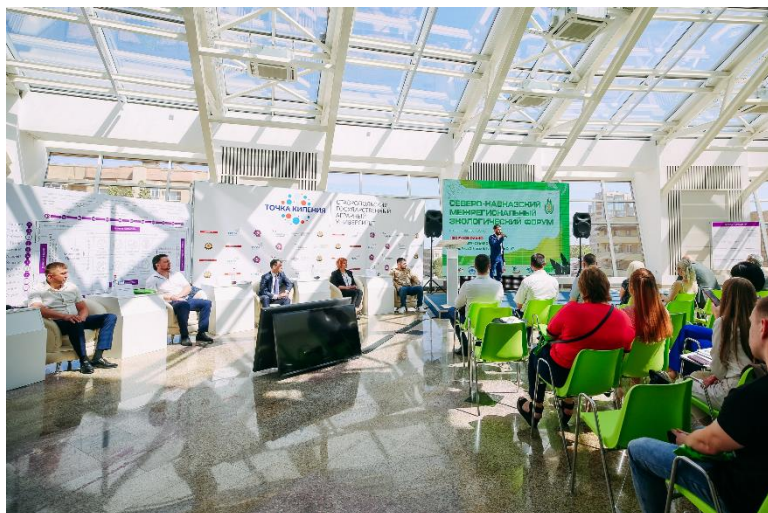
- to investigate the two-way relationship between climate change and the functioning of the agricultural sector of the economy, taking into account territorial differentiation, and to assess the level of vulnerability of objects to the negative impact of climate change in Russian regions;
- to study the global experience of implementing the climate agenda in the agricultural sector of the economy and assess potential economic risks for Russian exporters of agricultural products in the context of stricter requirements in the field of climate regulation abroad;
- to assess anthropogenic greenhouse gas emissions and their absorption in the agricultural sector based on calculation methods and direct measurements during experimental studies at test sites of agribusiness enterprises;
- to develop a concept of low-carbon development of the agricultural sector of the economy, to assess and forecast the carbon intensity of the agricultural economy in accordance with the intensive scenario of the Strategy of socio-economic development of the Russian Federation with low greenhouse gas emissions until 2050

Participation of young people in urgent action to combat climate change and its impacts



Stavropol State Agrarian University hosted the forum "Ecology is everyone's business" On the basis of Stavropol State Agrarian University, the forum "Ecology is everyone's business" was held. Its purpose was to popularize the environmental award among students of secondary vocational and higher education. The forum was attended by students of secondary vocational and higher education, as well as representatives of various organizations: employees of Rosprirodnadzor, Stavropol Palace of Children's Creativity, Nevinnomyssk Technological College, children's technopark "Quantorium", head of the public organization "Ecological Patrol" and teachers of the Department of Ecology and Landscape Construction.

<https://stgau.ru/media/news/v-stavropolskom-gau-prosel-forum-ekologija-delo-kazdogo>





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Science Index



BRIEF COMMUNICATION: ALTERNATION OF THAW ZONES AND DEEP PERMAFROST IN THE COLD CLIMATE CONDITIONS OF THE EAST SIBERIAN MOUNTAINS, SUNTAR-KHAYATA RANGE/Sysolyatin R., Serikov S., Kirillin A., Litovko A., Sivtsev M./The Cryosphere. 2023. T. 17. № 11. С. 4601-4608.

CLIMATE AGENDA IN THE SOUTHERN REGION OF RUSSIA: THE VIEW OF THE AGRARIAN UNIVERSITY STUDENTS/Chudnova O.A., Kosnikov S.N., Lesnykh Ju., Isaenko A.P., Ivashova V.A.: E3S Web of Conferences. Ural Environmental Science Forum “Sustainable Development of Industrial Region” (UESF-2023). Chelyabinsk, 2023. С. 03018.

MODELLING AN AGRICULTURAL PRODUCTION STRUCTURE OPTIMAL UNDER CLIMATE RISKS/Nosov V.V., Glotova I.I., Tomilina E.P., Klishina Yu.E., Uglitskikh O.N., Safiullaeva R.I./В сборнике: Fundamental and Applied Scientific Research in the Development of Agriculture in the Far East (AFE-2022). Agricultural Cyber-Physical Systems. Switzerland, 2023. С. 1-11.



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Science Index



THE CURRENT STATE AND DEVELOPMENT OF THE INVESTMENT CLIMATE IN THE AGRO-INDUSTRIAL COMPLEX OF RUSSIA/Efendiev I.A./In the collection: TRANSFORMATIONS OF MODERN SOCIETY AND PRIORITY DEVELOPMENT DIRECTIONS. materials of the international round table. Rostov-on-Don, 2023. pp. 43-45.

THE RELATIONSHIP BETWEEN THE POPULATION OF IXODID TICKS AND CLIMATE CHANGE IN STAVROPOL REGION/Zakinyan R.G., Badakhova G.K., Lopteva M.S., Koshkina N.A., Tolokonnikov V.P., Povetkin S.N./Entomology and Applied Science Letters. 2023. T. 10. № 1. С. 96-101.

GEOSPATIAL MODEL OF NEGATIVE PROCESSES OF AGRICULTURAL LAND AS A MEANS OF DIGITALIZATION OF THE EDUCATIONAL AND EXPERIMENTAL FARM/Esaulko A.N., Odintsov S.V., Loshakov A.V., Ivannikov D.I., Kotova A.S./В сборнике: IOP conference series: earth and environmental science. II International Conference on Environmental Technologies and Engineering for Sustainable Development. Tashkent, Uzbekistan, 2023. С. 012002.

TRANSDISCIPLINARY METHODS IN SOCIO-ECONOMIC AND ENVIRONMENTAL RESEARCH/Ivashova V.A., Skabayeva G., Platonova A.Z., Kuperbayeva A., Sambetkulova N./В сборнике: E3S Web of Conferences. 2023. С. 06006.

14 LIFE BELOW WATER



Goal 14:

**Conserve and
sustainably use the
oceans,
seas and marine
resources**

Within the framework of achieving the sustainable development Goal "Goal 14: Conserve and sustainably use the oceans, seas and marine resources", SSAU implements :

- **Environmental policy of SSAU**
- **Hazardous Waste Disposal Policy**
- **Plastic Waste Reduction Policy**

<https://old.stgau.ru/goals/eco/%D0%AD%D0%BA%D0%BE%D0%BB%D0%BE%D0%B3%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%B0%D1%8F%D0%9F%D0%BE%D0%BB%D0%B8%D1%82%D0%B8%D0%BA%D0%B0%D0%A1%D1%82%D0%93%D0%90%D0%A3.pdf>

<https://old.stgau.ru/goals/eco/%D0%9F%D0%BE%D0%BB%D0%B8%D1%82%D0%B8%D0%BA%D0%B0%D1%83%D1%82%D0%B8%D0%BB%D0%B8%D0%B7%D0%B0%D1%86%D0%B8%D0%B8%D0%BE%D0%BF%D0%B0%D1%81%D0%BD%D1%8B%D1%85%D0%BE%D1%82%D1%85%D0%BE%D0%B4%D0%BE%D0%B2.pdf>

<https://old.stgau.ru/goals/eco/%D0%AD%D0%BA%D0%BE%D0%BB%D0%BE%D0%B3%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%B0%D1%8F%D0%9F%D0%BE%D0%BB%D0%B8%D1%82%D0%B8%D0%BA%D0%B0%D0%A1%D1%82%D0%93%D0%90%D0%A3.pdf>

МИНИСТЕРСТВО СЕЛЬСКОГО ХОЗЯЙСТВА РОССИЙСКОЙ ФЕДЕРАЦИИ
ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ БЮДЖЕТНОЕ ОБРАЗОВАТЕЛЬНОЕ
УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ
«СТАВРОПОЛЬСКИЙ ГОСУДАРСТВЕННЫЙ АГРАРНЫЙ УНИВЕРСИТЕТ»



**ЭКОЛОГИЧЕСКАЯ ПОЛИТИКА
ФГБОУ ВО СтГАУ**

Environmental control



The University organizes and conducts environmental control of its activities, including in the field of protection and use of water bodies.

The results of industrial environmental control are freely available on the University's website at the link:

<https://old.stgau.ru/goals/water/>

1. Общие сведения об организации и результатах производственного экологического контроля

Таблица 1.1. Общие сведения

№ п/п	Наименование данных	Данные
1	Полное наименование (сокращенное наименование) юридического лица или фамилия, имя, отчество (при наличии) индивидуального предпринимателя	Федеральное государственное бюджетное образовательное учреждение высшего образования «Ставропольский государственный аграрный университет» (ФГБОУ ВО Ставропольский ГАУ)
2	Наименование субъекта Российской Федерации, адрес юридического лица, место жительства индивидуального предпринимателя, с указанием почтового индекса	Юридический адрес: 355017, Ставропольский край, г. Ставрополь, пер. Зоотехнический, 12
3. ИНН	4. ОГРН (либо сведения о внесении записи в государственный реестр аккредитованных филиалов, представительств иностранных юридических лиц)	5. Наименование объекта, оказывающего негативное воздействие на окружающую среду (далее – объект)
2634003069	1022601993468	Площадка №1. Главный корпус университета совместно с территорией факультета агробиологии и земельных ресурсов и вспомогательных подразделений
6. Адрес места нахождения объекта	7. Код объекта	8. Категория объекта
г. Ставрополь, пер. Зоотехнический, квартал 112; ул. Мира, д. 302; 304/1; 306; 308; кадастровые номера земельных участков: 26:12:030114:13; 26:12:030120:10; 26:12:030120:33; 26:12:030120:32; 26:12:030120:31	07-0226-005214-П	III

3. Результаты производственного контроля в области охраны и использования водных объектов

Таблица 3.1. Сведения о результатах учета объема забора (изъятия) водных ресурсов из водных объектов и объема сброса сточных, в том числе дренажных, вод, их качества

Реквизиты письма (номер (при наличии) и дата), которым направлены сведения о результатах учета забора (изъятия) водных ресурсов из водных объектов и сброса сточных, в том числе дренажных, вод, их качества	Территориальный орган Росводресурсов, в который направлены результаты учета забора (изъятия) водных ресурсов из водных объектов и сброса сточных, в том числе дренажных, вод, их качества	Количество загрязняющих веществ, содержащихся в забранной (изъятной) воде из водного объекта (по каждому контролируемому загрязняющему веществу), тонн/год (заполняется в случае использования одного и того же водного объекта для забора воды и для сброса сточных вод)
1	2	
Не осуществляется пользование водными объектами		

Таблица 3.2. Сведения о результатах наблюдения за водными объектами (их морфометрическими особенностями) и их водоохранными зонами, а также о результатах учета качества поверхностных вод в местах сброса сточных, в том числе дренажных, вод выше и ниже мест сброса (в фоновом и контрольном створах)

Реквизиты письма (номер (при наличии) и дата), которым направлены сведения о результатах учета качества поверхностных вод в местах сброса сточных, в том числе дренажных, вод выше и ниже мест сброса	Федеральный орган исполнительной власти, орган исполнительной власти субъекта Российской Федерации или орган местного самоуправления, в который направлены результаты учета качества поверхностных вод в местах сброса сточных, в том числе дренажных, вод выше и ниже мест сброса	Реквизиты письма (номер (при наличии) и дата), которым направлены сведения о результатах наблюдения за водными объектами (их морфометрическими особенностями) и их водоохранными зонами	Территориальный орган Росводресурсов, в который направлены сведения о результатах наблюдения за водными объектами (их морфометрическими особенностями) и их водоохранными зонами
1	2	3	4
Не осуществляется пользование водными объектами			

SSAU students took part in the cleaning of the coastal zone of the Tashla River

Students of the Ecology and Nature Management direction took part in a clean—up day within the framework of the Ecology is Everyone's Business project with the support of the Government of the Stavropol Territory and the Presidential Grants Fund. Representatives of environmental organizations of the city of Stavropol and local residents held a clean-up day to clear the territory of Tashla of garbage and construction waste. 50 volunteers, including students of Stavropol State University, collected 60 bags of garbage and proved by their example that ecology is everyone's business.

<https://stgau.ru/media/news/studenty-stgau-priniali-ucastie-v-uborke-pribreznoi-zony-reki-tasla>



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ACHIEVEMENTS OF ZOOTECHNICAL SCIENCE IN SOLVING URGENT PROBLEMS OF ANIMAL HUSBANDRY AND AQUACULTURE/Collection of articles based on the materials of the International Scientific Symposium dedicated to the 150th anniversary of the birth of the outstanding scientist in the field of animal science, Academician E.F. Liskun / 2. RUS, 2023.

PRODUCTIVITY OF WINTER WHEAT CULTIVATED BY DIRECT SEEDING: MEASURING THE EFFECT OF HYDROTHERMAL COEFFICIENT IN THE ARID ZONE OF CENTRAL FORE-CAUCASUS/Esaulko A., Sitnikov V., Pismennaya E., Vlasova O., Golosnoi E., Ozheredova A., Ivolga A., Erokhin V./Agriculture. 2023. T. 13. № 1. С. 55.

ANALYSIS OF WATER EROSION DYNAMICS BASED ON THE FRACTAL DIMENSION INDEX/Antonov S.A., Peregudov S.V./Russian Agricultural Sciences. 2023. T. 49. № S2. С. S233-S238..

15 LIFE ON LAND

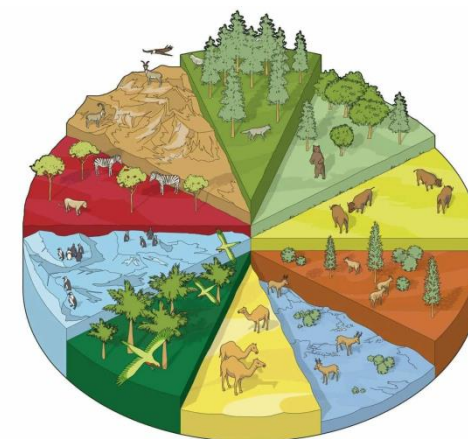


**Goal 15:
Sustainably manage
forests, combat
desertification, halt and
reverse land degradation,
halt biodiversity loss**

Strategic guidelines at national and university level Formed in Russia, an extensive and comprehensive legislative framework in the field of natural resource management and environmental protection is evolving towards the development of environmental principles and increasing environmental responsibility, detailing and deepening state regulation of the rational use and protection of natural resources, improving the distribution of powers between levels of government (federal, regional) and local self-government, improving control and supervisory activities, developing institutions of public control and enhancing the role and participation of civil society in ensuring the constitutional rights of citizens to a healthy environment. In recent years, responsible business companies and non-governmental organizations have become a serious agent for preserving the environment. The national project "Ecology" is aimed at ensuring the environmental safety of Russia, which includes the projects "Clean Water", "Rehabilitation of the Volga", "Preservation of Lake Baikal", "Preservation of unique water bodies", "Preservation of forests", "Preservation of biological diversity and "Development of ecological tourism".

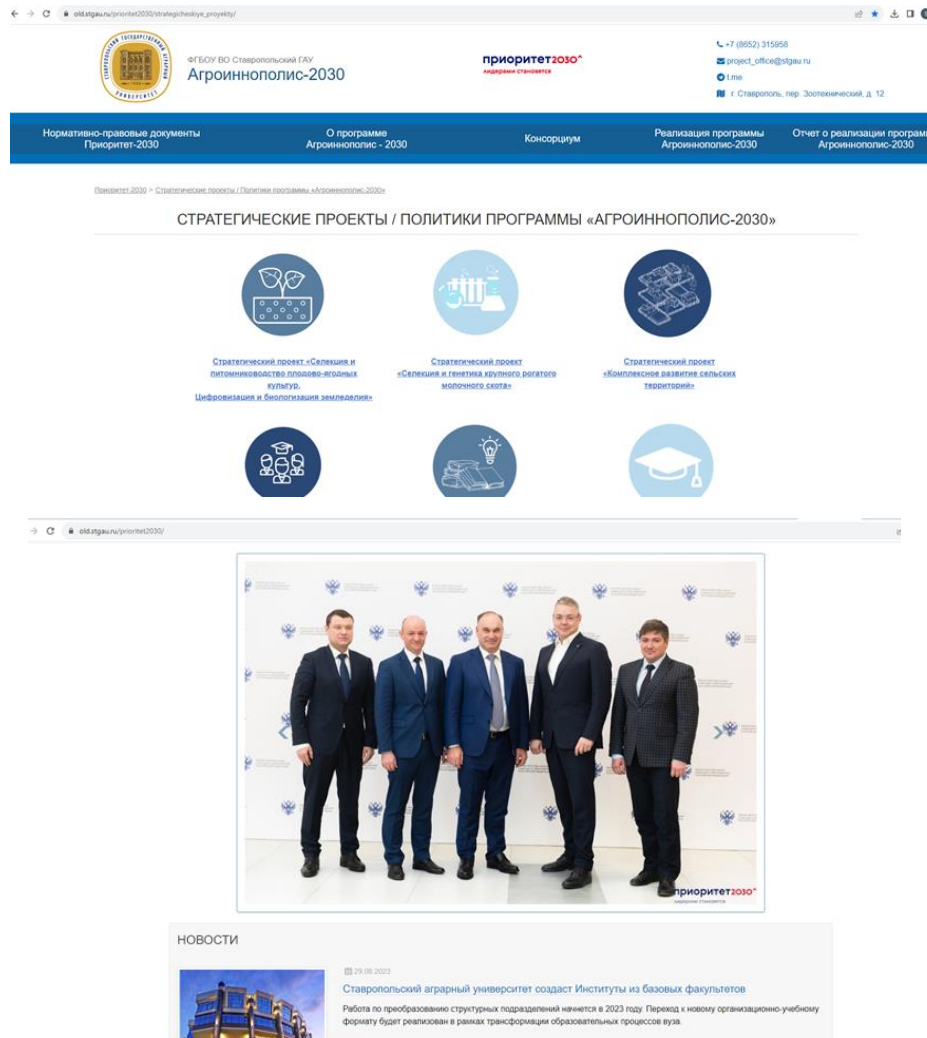
As measures for the protection and rational use of land resources in Russia, work is being carried out to restore and reclaim degraded and disturbed lands. Measures for the protection and rational use of land are carried out, inter alia, within the framework of national strategies. The main objectives of the Strategy for Environmental Safety of the Russian Federation for the period up to 2025 include the elimination of accumulated harm to the environment and the prevention of land and soil degradation.

The Strategy for Sustainable Development of Rural Areas of the Russian Federation for the period up to 2030 sets a task to preserve and improve the land fund. To achieve this task, the Strategy provides for such measures as: ensuring land protection from water erosion, flooding and waterlogging; introduction of cost-effective irrigation systems; ensuring land protection from wind erosion; creation of a system of protective afforestation that would increase the effectiveness of measures to combat land degradation and desertification, to restore soil fertility, ensure the country's environmental and food security, and reduce the level of discomfort in places of work and residence of the population. The Strategy for the Development of the Forestry Complex of the Russian Federation for the period up to 2020 established that in order to prevent the processes of desertification and land erosion, it is necessary to ensure the implementation of work on the creation and cultivation of protective forest plantations (anti-erosion, field protection, plantations on arid pastures and sands, along the banks of small rivers and around the villages).



At the university level, the Program for the Development of the Federal State Budgetary Educational Institution of Higher Education "Stavropol State Agrarian University" for the period 2021-2030. is a backbone document that defines the tasks and measures of the University to achieve **SDG 15 "Life on Earth"**, which implies the implementation of the following priority directions of the University's development:

- improvement of the saving biologized system of agriculture on an adaptive-landscape basis, which ensures the development of resource-saving technologies and technical means for optimizing production processes in the agro-industrial complex;
- improvement of the integrated system of animals protection from diseases of infectious and non-infectious etiology of biotechnological design of prophylactic agents of a new generation;
- improvement of economic production of ecologically clean and competitive agricultural products on world markets, ensuring financial stability and accelerated development of the agro-industrial complex;
- improvement of the main directions of rural areas development, ensuring the growth of employment of the rural population, harmonious development of the individual and an increase in human capital in the countryside;
- development of the recreational potential of the North Caucasian Federal District, including tourism, hospitality, ecology, ensuring biodiversity and rational nature management;
- an increase in the yield of cultivated crops, a decrease in the cost of production, an increase in soil fertility and an improvement in the ecological situation.



Скриншот веб-сайта программы «Агроиннополис-2030» ФГБОУ ВО Ставропольский ГАУ. В верхней части сайта размещены логотипы университета, название программы и контактная информация. Меню включает разделы: «Нормативно-правовые документы Приоритет-2030», «О программе Агроиннополис - 2030», «Консорциум», «Реализация программы Агроиннополис-2030» и «Отчет о реализации программы Агроиннополис-2030». Основное содержание страницы посвящено стратегическим проектам программы, представленным в виде иконок: «Стратегический проект «Селекция и совершенствование плодово-ягодных культур. Цифровизация и биологизация земледелия», «Стратегический проект «Селекция и генетика крупного рогатого молочного скота», «Стратегический проект «Комплексное развитие сельских территорий», «Стратегический проект «Образование и развитие человеческого капитала», «Стратегический проект «Инновационные технологии в агроиндустрии» и «Стратегический проект «Развитие туризма и гостеприимства в сельской местности». В нижней части экрана размещены новости, включая фотографию представителей университета и заголовок: «Ставропольский аграрный университет создаст Институты из базовых факультетов». Работа по преобразованию структурных подразделений начнется в 2023 году. Переход к новому организационно-учебному формату будет реализован в рамках трансформации образовательных процессов вуза.

StGAU students have improved a new ecological trail in the Alexandrovsky district



<https://stgau.ru/media/news/studenty-stgau-blagoustroili-novuiu-ekologiceskuiu-tropu-v-aleksandrovskom-okruge>

Participation in the International "Field Day"



<https://stgau.ru/media/news/ucenye-stgau-posetili-mezhdunarodnyi-den-polia>

SSAU projects and activities on conservation: plants, animals and wildlife, genetic resources for food production and agriculture, protected in the medium- or long-term prospects of environmental institutions

Development of an organic growth stimulator for seedlings

<https://stgau.ru/media/news/studentka-stgau-razrabotala-organiceskii-stimulator-rosta-dlia-sazencev>

Participation in the harvest in Stavropol

<https://stgau.ru/media/news/studenty-stgau-prinimaiut-ucastie-v-uborke-urozaia-na-stavropole>

Presentation of unique laboratories at the international exhibition "PRO APPLE 2024"

<https://stgau.ru/media/news/stavropolskii-gau-predstavil-unikalnye-laboratorii-na-mezhdunarodnoi-vystavke-pro-iabloko-2024>

Grant of the Stavropol State Agrarian University in the field of science and innovation of young scientists. Project: Development of technology for the production of year-round vermicompost with improved physico-chemical properties.

<https://stgau.ru/media/news/vladimir-vladimirov-nagradil-ucenyx-stavropolskogo-gau>

Investigation of the effect of phosphogypsum on soil

<https://stgau.ru/media/news/ucenye-stgau-nacali-issledovanie-vliianiia-fosfogipsa-na-pocvu>





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Science Index



ANALYSIS OF LAND MANAGEMENT EXPERTISE IN ORDER TO DETERMINE THE LOCATION OF THE BOUNDARIES OF A RESIDENTIAL BUILDING AND LAND PLOT/Odintcov S., Loshakov A., Kipa L., Kasmynina M., Melnik M./В сборнике: E3S Web of Conferences. II International Conference on Environmental Technologies and Engineering for Sustainable Development (ETESD-II 2023). Tashkent, 2023. С. 04007.

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Science Index



NEGATIVE TRANSFORMATION OF AGRICULTURAL LANDS AND THEIR PROTECTION IN JSC "AGRICULTURAL ENTERPRISE KOLOS" OF THE KOCHUBEYEVSKY MUNICIPAL DISTRICT OF THE STAVROPOL TERRITORY/Loshakov A., Odintsov S., Melnik M., Kipa L., Ivannikov D./B сборнике: E3S Web of Conferences. EBWFF 2023 - International Scientific Conference Ecological and Biological Well-Being of Flora and Fauna (Part 1). 2023. С. 03015.

MODELLING AN AGRICULTURAL PRODUCTION STRUCTURE OPTIMAL UNDER CLIMATE RISKS/Nosov V.V., Glotova I.I., Tomilina E.P., Klishina Yu.E., Uglitskikh O.N., Safiullaeva R.I./B сборнике: Fundamental and Applied Scientific Research in the Development of Agriculture in the Far East (AFE-2022). Agricultural Cyber-Physical Systems. Switzerland, 2023. С. 1-11..

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SOIL-DWELLING SPRINGTAILS AS INDICATORS OF THE EFFICIENCY OF NO-TILL TECHNOLOGIES WITH DIFFERENT AMOUNTS OF MINERAL FERTILIZERS IN THE CROP ROTATION ON CHERNOZEM SOILS/Bokova A.I., Panina K.S., Dridiger V.K., Gadzhumarov R.G., Kuznetsova N.A., Potapov M.B./Soil & Tillage Research. 2023. Т. 232. С. 105760.

THE USE OF BIOFUNGICIDES TO INCREASE THE INDUCED SOIL SUPPRESSIVENESS IN INTENSIVE FRUIT PLANTATIONS/Nazranov Kh.M., Esaulko A.N., Beslaneev B.B., Thamokova I.Kh., Kasheva K.Z., Aisanov T.S./B сборнике: AIP conference proceedings. International Scientific and Practical Conference "INNOVATIVE TECHNOLOGIES IN AGRICULTURE". Volume 2921, Issue 1. AIP Publishing, 2023. С. 040003.



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THE USE OF SELENIUM FOR PROTECTIVE AND STIMULATING EFFECTS ON PLANTS WHEN SOIL IS CONTAMINATED WITH CADMIUM/Seregina I.I., Trukhachev V.I., Belopukhov S.L., Dmitrevskaya I.I., Zhevnerov A.V., Zharkikh O.A./Brazilian Journal of Biology. 2023. T. 83. С. e269419.

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16 PEACE, JUSTICE AND STRONG INSTITUTIONS



**Goal 16:
Promote just,
peaceful
and inclusive societies**

The educational process and scientific research in accordance with **Goal 16: Promote just, peaceful and inclusive societies** is conducted at the Department of Public and Municipal Administration and Law.

The mission of the department is the purposeful training of highly professional civil servants of state authorities at the federal and regional levels, as well as municipal employees of municipal authorities, the formation of a reserve of managerial personnel with deep professional knowledge, high organizational and managerial skills, social competence and communicative qualities aimed at achieving success, able to make managerial decisions quickly and effectively.

<https://old.stgau.ru/goals/>





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17 PARTNERSHIPS FOR THE GOALS



**Goal 17:
Revitalize
the global partnership
for sustainable
development**

Key priorities/directions

1. Intensification of research and international activities of the University (academic mobility of students and SPS).
2. Preparation of students to participate in global international student Olympiads, scientific and pedagogical workers - to participate in the selection for prestigious and innovative scientific awards – to increase the recognition of the university as a developer of technologies and an educational center in such areas as smart and highly productive agriculture, technologies of biologization of agriculture, animal genomics and biotechnology, development and application of digital and engineering solutions in agriculture, and an active participant in achieving sustainable development goals in order to form sustainable scientific and business communications.
3. Development of the University as an attractive educational center for foreign citizens due to: participation in educational exhibitions and fairs in Russia and abroad; increasing the number and efficiency of international agreements and agreements concluded on double degree programs; international student mobility and academic exchanges; increasing the number of foreign citizens studying at the expense of the federal budget of the Russian Federation (quotas), etc.
4. Development of intercultural communication through: implementation of programs to promote the Russian language and intercultural communication; involvement of foreign students in socially significant project activities of the university; identification and development of talents among foreign students through support of creative self-realization (participation in the work of amateur teams and sports sections of the university), etc.

One of the main directions of the development of international cooperation is the integration and internationalization of the university into the international scientific and educational space

In **2023**, the University concluded and extended a number of existing international cooperation agreements – a total of **16** contracts.

Rector Vladimir Sitnikov held a meeting with the Ambassador of Mexico to the Russian Federation Eduardo Villegas, during which the parties discussed prospects for strengthening scientific and educational cooperation between Stavropol State University and leading Mexican universities.

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In 2023, Stavropol Agrarian University plans to introduce new international double degree programs with higher education institutions from Central Asia. The University reached agreements with other universities at the forum "Education. Frames. Economics". <https://www.stav.kp.ru/online/news/5186361/>



Our university took part in the III Forum of rectors of agricultural universities in China. The event brought together more than 80 representatives from 9 SCO member states, including Russia, Kazakhstan, Uzbekistan, Iran and others.

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Direction 1. Intensification of research and international activities of the University



Meeting at the Russian House in Mexico



Meeting with management



Meeting with the Director, Academic and Technical Secretaries of CIGA-UNAM

The main areas of work will be veterinary medicine, agronomy and GIS technologies, of particular interest to the Stavropol Territory is the experience of cultivating corn, virus-free material and vegetable crops.



Interview at the Self-Study Language Center (Mediateca)

List of countries with which cooperation agreements have been concluded

"North-South" countries:

- Azerbaijan Republic – 1
- Republic of Armenia – 2
- Republic of Belarus – 7
- Islamic Republic of Iran – 3
- Republic of Kazakhstan – 7
- Kyrgyz Republic – 1
- Republic of Tajikistan – 1
- People's Republic of China – 3
- Mexico - 1



Due to the changed geopolitical situation, Stavropol State Agrarian University has revised the vector of strategic cooperation, currently working with the countries of Central Asia, the Southeast and the Middle East.



Negotiations are underway with universities in China and Iran

1. North-western University of Agriculture and Forestry, Shaanxi Province (China);
2. Nanjing Agricultural University (China);
3. Lihai Business Professional Institute (Anhui Province, China);
4. Liaoning Vocational College (Liaoning Province, China);
5. Khuzestan Agro-technological University (Iran)

Partners



National Autonomous University of Mexico (UNAM)



Kyrgyz National Agrarian University named after K.I. Scriabin



Karakalpak Institute of Agriculture and Agro-technologies



Northwestern University of Agriculture and Forestry of Shaanxi Province



Kazakh Agrotechnical University named after S. Seifullin

Direction 2. Preparation of students for participation in global international student Olympiads, scientific and pedagogical workers



International Conference on Rural Innovation at the National Autonomous University of Mexico (UNAM)



XI international scientific and practical conference "Innovative aspects of service and tourism development"



Stavropol State University signed an agreement with the Academy of Education and Culture "Confucius"



The project "Cross Talk: Russia and Mexico"

Students of Stavropol State University and the National Autonomous University of Mexico (UNAM) have the opportunity to get acquainted with the traditions, culture, science, sports, creativity of Russia and Mexico, as well as communicate with each other.



XII International scientific and practical conference "April Scientific Readings named after Professor Viktor Arkadyevich Pipko"



IX International Scientific and Practical Conference "Actual problems and achievements of regional economic systems"



International Conference on Crop Breeding "Field Day — 2023"



The program is aimed at popularizing Russian as a foreign language, and also helps to integrate students from other countries into the Russian-speaking educational community.

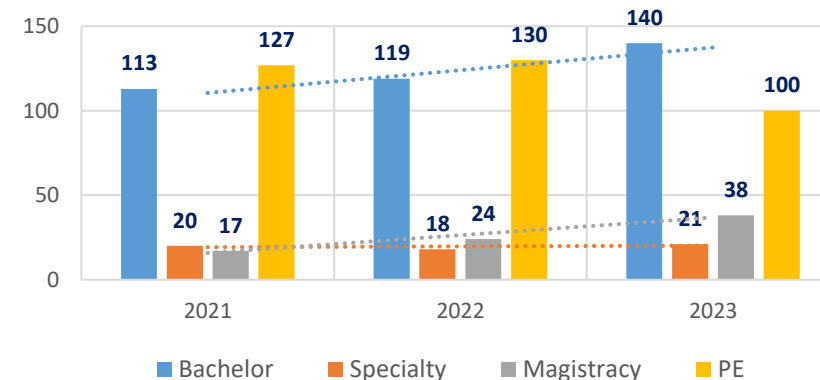


Figure 1 - Dynamics of the number of foreign students studying at SSAU

Direction 3 and 4. Development of the University as an attractive educational center for foreign citizens

Participation of SSAU in international educational exhibitions



Stavropol State University at the International Exhibition "Education and Career EXPO 2023", the Republic of Kyrgyzstan



Stavropol State University at the International Exhibition "Education and Career EXPO 2023", Republic of Uzbekistan



International Educational Exhibition: "Study in Russia" Republic of Kazakhstan

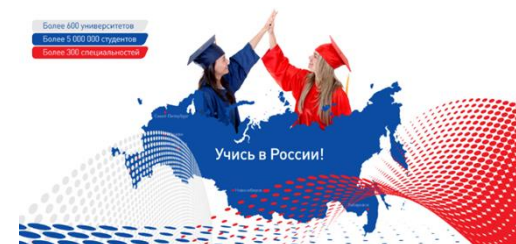


Stavropol State University at the International Exhibition "Education and Career EXPO 2023", Republic of Armenia

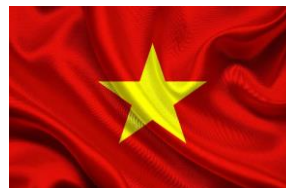


Stavropol State University at the International Exhibition "Education and Career EXPO 2023", Republic of Belarus


In 2023, Stavropol State Agrarian University is preparing a roadmap and agreements with Rossotrudnichestvo to include the university in the number of applicants for training of foreign citizens within the quotas allocated by the Government of the Russian Federation.

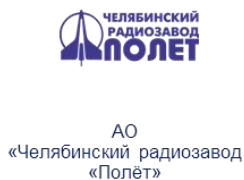


- Armenia
- Belarus
- Kazakhstan
- Kyrgyzstan
- Uzbekistan
- Vietnam
- Mexico
- Iran



Consortium of performers of applied scientific research and experimental developments

 **Goal:** reliable scientific technological and personnel support of the agricultural sector of the economy and rural areas of the Russian Federation to achieve a synergetic effect in the joint activities of the consortium entities



New partnerships 2021-2023



- Joint Master's degree program "Economics" ("World agricultural markets")
- Bachelor's degree network programs "Tourism", "Economics" (world agricultural markets) (plan 2024)



- Preparation of the personnel reserve for genomic plant breeding in the magistracy
- Designing a mirror laboratory



Institute of Bioorganic Chemistry of the Russian Academy of Sciences

- Joining the Consortium "Bioorganica" within the framework of the activities of the NTI Competence Center for the "end-to-end" technology management of properties of biological objects»
- 5 projects in crop and animal husbandry (the content of the projects is protected by a confidentiality agreement)



- Joint postdoctoral studies from 2021
- Mirror Laboratory

Development program consortium: Key results

in science and innovation



Technologies of microclonal reproduction and biologization technologies of cultivation of fruit and berry crops



Дагестанский
ГАУ

Technologies for improving the genetic potential of dairy cattle of Dagestan



ООО Опытное-
Производственное хозяйство
«Луч»

Technologies of biologization of agriculture based on the expansion of the genetic diversity of agricultural crops and the improvement of elements of agro-biotechnologies



КБГАУ

Development of an innovative breeding and genetic model for the creation of dairy herds of Holstein and black-and-white breeds of breeding cattle in the South of Russia



Дагестанский
ГАУ СК ФНАЦ

Applications for registration of protection documents for new varieties of winter soft wheat, triticale and amaranth



Горский ГАУ

Biological nitrogen fixation and optimization of environmental factors for the creation of highly productive agro-phytocoenoses of traditional and non-traditional crops

in education



КБГАУ

VEP programs for the development of skills and competencies of the digital economy, project management, technological entrepreneurship for the development of rural areas



Дагестанский
ГАУ



Горский ГАУ

VEP programs :

- "Environmentally safe handling of animal by-products in the agro-ecosystem"
- Statistical analysis of data using modern information technologies"
- "Provision of services in the field of rural tourism"
- "Innovative approaches in agro-engineering practice with the use of digital technologies";
- "Organic agriculture and a biologized system of crop production"



РГАУ



Дагестанский
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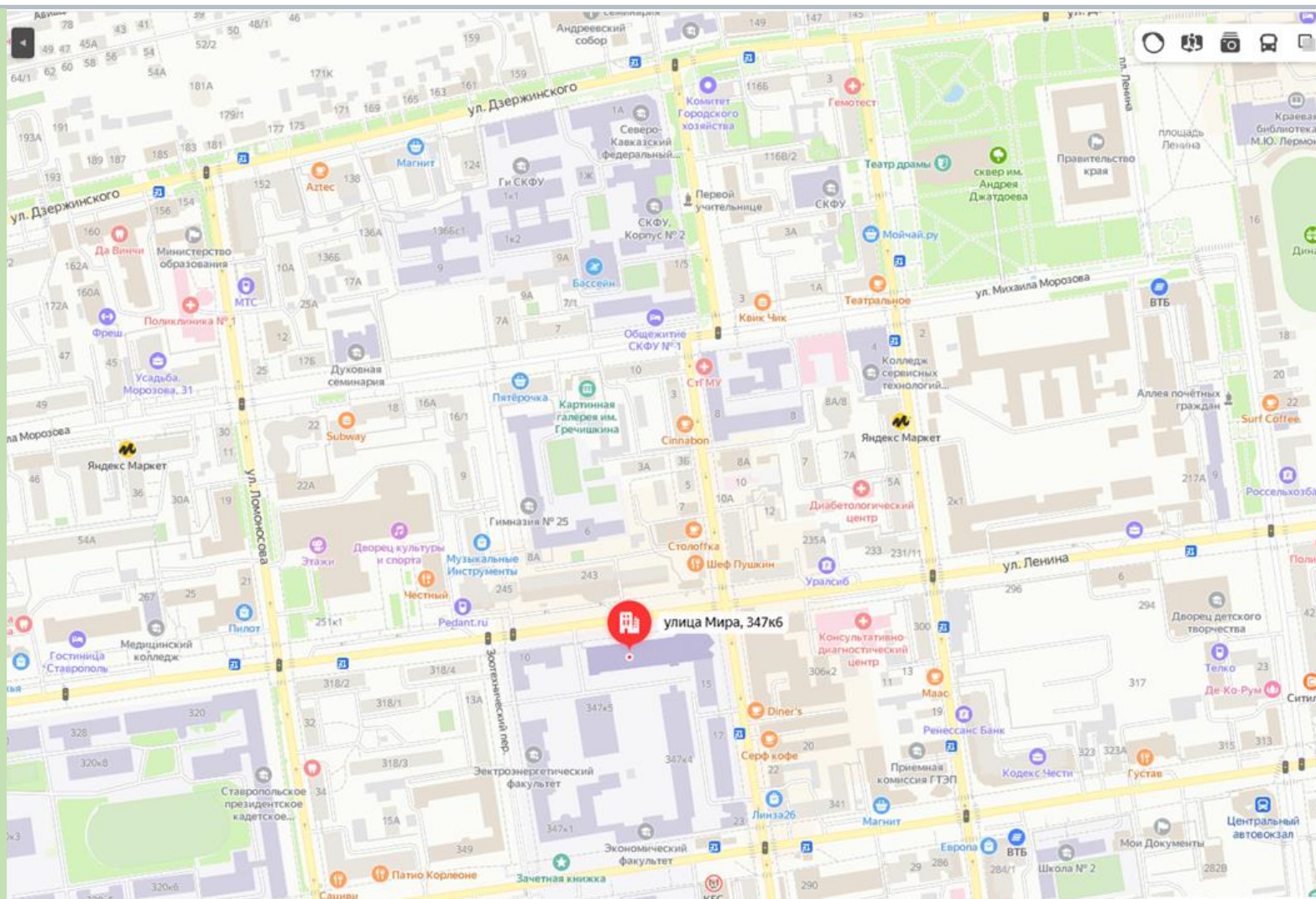
QUESTIONS?

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<https://rutube.ru/channel/25340856/>



https://t.me/agrarian_university1930



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