DMYTRO MOTORNYI
TAVRIA STATE AGROTECHNOLOGICAL
UNIVERSITY

SUSTAINABILITY AND IMPACT REPORT

2025

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Preface

Dear TSATU colleagues, partners and friends!

Ukraine continues to fight for its future amid a full-scale war, proving every day its resilience, capability to recover, and determination to move forward. Despite immense challenges, TSATU has maintained the continuity of its educational, research and administrative activities, staying true to its core mission: to train competent, responsible and patriotic professionals and to generate knowledge and solutions for the sustainable development and recovery of Ukraine.



In 2025, we took a vital step from isolated initiatives to a holistic vision of university impact. For TSATU, sustainability has become a guiding principle that integrates educational quality, the practical value of research, social responsibility, environmental awareness, good governance and partnership. That is why this year the university highlights its performance across all 17 Sustainable Development Goals along with three interconnected dimensions: environmental, social and governance.

High-quality and accessible education remains our top priority. TSATU ensures learning continuity, develops digital and blended formats, supports practical and dual training, modernises educational programmes, and expands lifelong learning opportunities. We strive to foster the ability to apply these skills responsibly – for professional development, community strengthening, the technological renewal of the economy and the post-war recovery of the country.

The university's research activities are geared towards addressing critical challenges for Ukraine, specifically, ensuring food security, developing renewable energy, driving climate-resilient agricultural production, enhancing resource efficiency, advancing digitalisation and preserving ecosystems. Our researchers generate applied solutions, engage in international projects, secure funding, and channel research outcomes directly into education, business and society. For us, it is a fundamental priority to make sure that university-led science serves the public good.

TSATU supports its students and staff by expanding psychological support, fostering an inclusive environment, promoting gender equality, cultivating a non-discriminatory culture and facilitating professional development and employment. Particular importance is paid to ensuring educational accessibility for youth from temporarily occupied, frontline and rural regions, providing robust support for internally displaced persons (IDPs) and veterans and maintaining a secure environment anchored in trust and mutual respect.

Partnership remains one of the cornerstones of our resilience. Collaborating with Ukrainian and international universities, research institutions, businesses, authorities, communities and civil society organisations expands access to knowledge, resources and modern practices. At the same time, TSATU strengthens its role as an academic platform for professional dialogue, solution-building and uniting efforts around socially important issues.

The university maintains democratic and collegial procedures, supports the elected representation of students and staff, involves stakeholders in decision-making and refines its internal policies. After all, institutional resilience is defined by the ability to keep moving forward while maintaining trust, accountability and openness to change.

This report serves as both a review of our achievements and a stepping stone for future growth. We strive to highlight the real impact and effectiveness of our initiatives. I sincerely thank TSATU's staff, students, alumni and partners for their professionalism, endurance and contribution to our shared mission. I am convinced that education and science must drive the recovery of a peaceful, fair and sustainable society. Our task is to safeguard the university through these challenging times and strengthen its capacity to build a future for Melitopol, Zaporizhzhia region, Ukraine and generations to come.

Rector of TSATU,
Doctor of Technical Sciences,
Professor Serhii Kiurchev

TSATU in 2025

Dmytro Motornyi Tavria State Agrotechnological University is a state higher education institution with an agrotechnological profile, historically linked to Melitopol and the development of southern Ukraine. Following its forced relocation to Zaporizhzhia, the university continues its educational, research, international, and community-oriented activities, preserving its academic community and intellectual potential for the future recovery of Melitopol region and other affected areas.

In 2025, TSATU operated amid a full-scale war, security risks, the territorial dispersal of its staff, and the loss of physical infrastructure left behind in temporarily occupied territories. At the same time, the university ensured the continuity of the educational process, research, administrative procedures and communication with students, staff and partners. TSATU's resilience was demonstrated by its ability to preserve core functions, adapt working formats to meet challenges, develop its digital environment, maintain educational quality and launch new initiatives.



TSATU's educational profile spans agricultural sciences, engineering, energy, information technology, economics and entrepreneurship, food technology, ecology and natural resource management, among other fields. Combining these disciplines fosters interdisciplinary training for professionals equipped to tackle complex challenges – such as food security, climate adaptation, resource efficiency, digitalisation, decent work and community recovery. The university continually develops blended and digital learning formats, practical and dual training, lifelong learning opportunities, employer collaboration and the engagement of external experts in the academic process.

TSATU's research activities focus on applied solutions for the agricultural sector, energy, industry, food systems, environmental safety and regional recovery. Research outcomes are disseminated through academic publications, intellectual property assets, conferences, professional networks, international projects and engagement with businesses, communities and authorities.

In 2025, the university's social mission focused on maintaining educational accessibility, supporting students and staff and advancing psychological assistance, an inclusive environment, promoting gender equality and a culture of non-discrimination. Particular emphasis was placed on creating opportunities for youth from temporarily occupied and frontline regions, IDPs and groups requiring additional support.

Through open educational programmes, professional consultations, career guidance initiatives and partner events, the university shared knowledge with external audiences and fostered human potential development.

Partnership remained one of the primary drivers of TSATU's resilience and development. Collaboration with Ukrainian and foreign universities, research institutions, enterprises, professional associations, authorities, communities, and NGOs ensured the exchange of experience, access to modern practices, the implementation of joint educational and research initiatives and the dissemination of results. The newly developed TSATU Internationalisation Strategy for 2026–2030 establishes a clear orientation toward international integration, the expansion of partner networks, academic mobility, joint programmes, international research, enhanced English-language visibility and systematic engagement with international rankings.



TSATU's international positioning is rooted in its genuine institutional identity: its agrotechnological specialisation, experience operating under relocation conditions, ability to maintain academic capacity during crises and readiness to deliver solutions for the frontline region and Ukraine's post-war recovery. The university's participation in international rankings is viewed as a tool for assessment, external visibility and continuous institutional improvement.

Institutional Framework

TSATU's sustainability activities are guided by the University Development Strategy, the Internationalisation Strategy for 2026 – 2030, internal policies and regulations, educational and research priorities and the universally recognised principles of the UN Sustainable Development Goals. Together, these documents provide the foundation for integrating sustainability principles into education, research, organisational practices, partnerships and community engagement.

Sustainability at TSATU is not confined to a single department or a specific set of initiatives. Responsibility is distributed across executive leadership, governing bodies, faculties, departments, research and administrative units, student government and dedicated working groups. Each division functions simultaneously as an executor of activities, a custodian of primary data and a source of evidence for its outcomes.

Strategic and regulatory decisions are made by the university's management and collegial bodies. Faculties, departments, and structural units integrate these tasks into their day-to-day operations. To organise ranking and institutional reporting, a dedicated working group has been established to coordinate the collection and consolidation of information, align data owners, verify the evidence base and formulate recommendations based on analysis.



The institutional framework encompasses four interconnected areas:

- Education for sustainable development;
- Research and innovation;
- Community engagement and partnerships;
- Internal policies and operational practices.

This approach establishes a complete impact chain – moving from strategic decisions and concrete activities to measurable outcomes, public evidence, and tangible benefits for target audiences.

Stakeholder engagement is an essential pillar of this framework. Students, staff, alumni, employers, authorities, local communities, NGOs and international partners are involved in discussing educational programmes, internal documents and research or community initiatives. Their involvement helps align university decisions with real societal needs and enhances the practical value of outcomes.

Sustainability initiatives and reporting are structured as an ongoing cycle:

- Activity planning;
- Defining expected outcomes;
- Tracking quantitative and qualitative data;
- Building a public evidence base;
- Verifying and consolidating information;
- Preparing a report;
- Analysing results, gaps and subsequent management decisions.

This ensures a transition from reactive data collection to systematic institutional practice.



Environmental Impact

Knowledge and technology for climate-resilient recovery

Environmental Education · Research · Practical Solutions · Knowledge Transfer to Partners and Communities · Measurable Impact

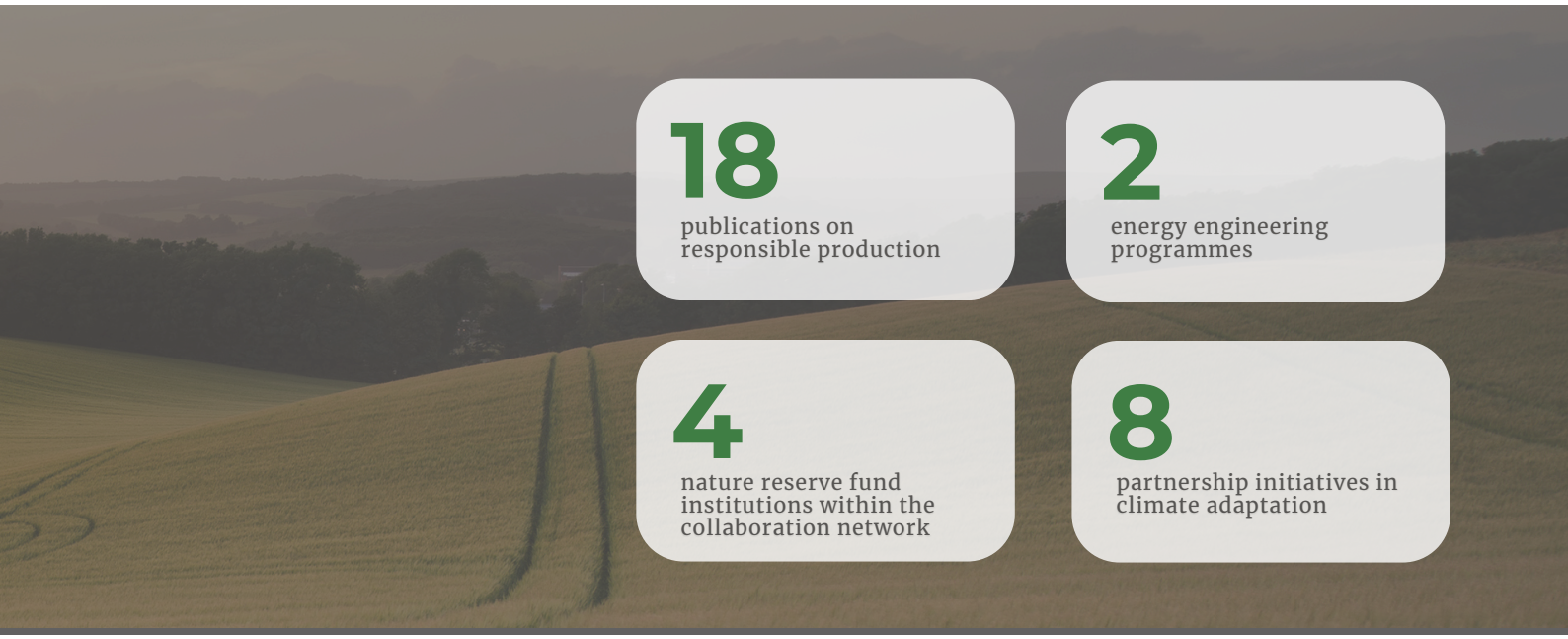
TSATU's environmental impact is shaped where education and research translate into practical solutions for the agricultural sector, local communities and regional recovery. In 2025, the university combined professional training, applied research and partnership initiatives across renewable energy, agrivoltaics, climate-smart agriculture, circular resource management, food loss reduction and the protection of soil, water and land ecosystems. Environmental education builds competencies, research yields novel solutions and cooperation with external partners puts them into practice.

Environmental Education

Environmental and climate aspects are integrated into the training of environmentalists, agronomists, power engineers, agricultural engineers, land surveyors, food technology specialists and economists. Students master renewable energy, resource efficiency, regenerative agriculture, soil and biodiversity conservation, environmental monitoring and circular business models. International schools, professional courses and open educational events complement academic programmes with modern practices and disseminate university expertise beyond the academic community.

Applied Research

TSATU's research capacity focuses on critical challenges for agricultural regions: renewable energy and storage, agrivoltaics, climate-resilient crops, resource-saving technologies and the reduction of food waste and loss. A distinct area of focus covers the study of soils, aquatic and coastal ecosystems, biodiversity and the environmental consequences of the war. These research findings are widely disseminated through publications, conferences, open-access resources, educational products and professional networks.



From Solutions to Verified Impact

Partnerships with universities, research institutions, environmental organisations, businesses and communities provide access to modern methodologies and channels for the practical application of results.

Environmental Sustainability of the University

TSATU's relocation and use of partner facilities limit direct control over some operational data regarding energy consumption, water, waste and emissions. Therefore, the report clearly distinguishes between verified results and metrics that still require systematic tracking. The next step is to establish consolidated resource and emissions tracking, embed climate planning and environmental procurement criteria and publish the dynamics of key performance indicators annually.

Detailed Results, Indicators and Evidence by Sustainable Development Goal





Societal Impact

Education, support and opportunities for the resilience of people and communities

Accessibility · Competencies · Opportunities and Professional Experience · Knowledge Exchange and Partnership · Resilience of People and Communities

TSATU's social impact is defined by how the university expands opportunities for people: ensuring access to education, supporting well-being and safety, fostering equality, professional development and employability, and sharing knowledge with external audiences. In 2025, operating amid war and relocation, the university combined educational activities with material and psychological support for students, the development of an inclusive environment, practical training, and engagement with communities, employers, authorities, and civil society organisations. This helps maintain educational continuity and strengthens the capacity of individuals and communities to adapt and contribute to Ukraine's recovery.

Equality and Accessibility

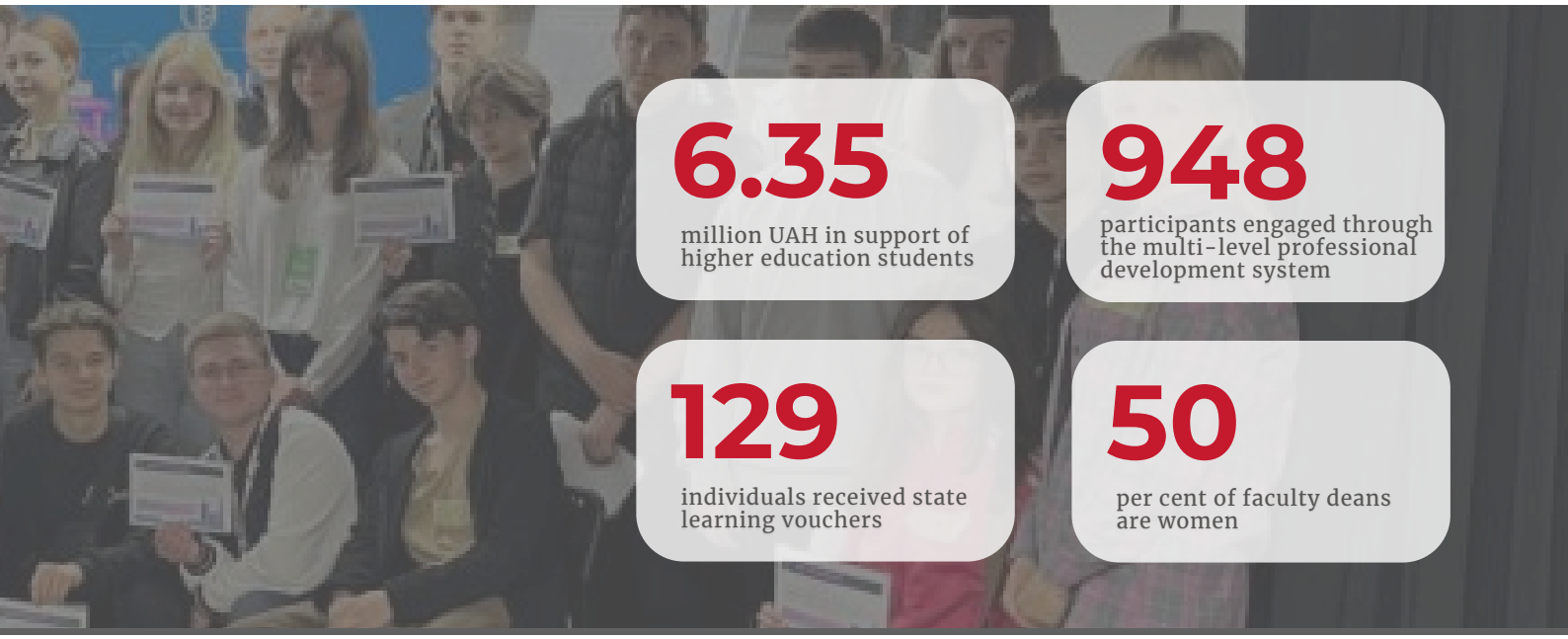
Special admission conditions, the *Crimea-Ukraine* and *Donbas-Ukraine* educational centres, state vouchers, social scholarships and distance and blended learning formats help overcome territorial, financial and social barriers. Gender equality, inclusion and non-discrimination policies support equal opportunities in learning, work, research, mobility and governance.

Health and Well-Being

Psychological support, veteran-sensitive interaction, civil and occupational safety training, the promotion of healthy nutrition, and cooperation with specialised institutions foster a culture of care and seeking timely help.

Impact of Education

Tavria Educational Practices (TEP) programmes for educators from frontline regions, *FEB*, *TechnoMay*, college educator internships, open lectures and international projects provide teachers, specialists and external audiences with access to up-to-date knowledge. Combining formal, non-formal and digital education supports lifelong learning and the sharing of university expertise across regions and professional communities.



Employment and Opportunities

Practical training and dual education, professional placements, internships and cooperation with employers and employment services connect academic learning to the actual professional environment. Entrepreneurial and digital initiatives develop readiness for employment, self-employment, and launching independent projects. At the same time, the university ensures social protection, safe working conditions and professional growth for its employees.

Knowledge Exchange and Community Engagement

TSATU transfers knowledge through open educational programmes, conferences, consultations, collaborative projects and partnership events. Cooperation with schools, colleges, local communities, businesses, governmental bodies and NGOs channels university expertise toward practical needs—ranging from supporting vulnerable groups and financial inclusion to entrepreneurship, digitalisation, and regional recovery.

Detailed Results, Indicators and Evidence by Sustainable Development Goal





Good Governance

Transparent decisions, accountability and trust

Values and Strategy · Policies · Participation and Representation · Decisions · Accountability · Trust and Institutional Resilience

Good governance at TSATU is a framework that turns strategic goals into clear rules, collegial decisions, the participation of diverse groups and public accountability for outcomes. In 2025, operating amidst war and relocation, the university maintained administrative continuity, updated the regulatory framework for academic integrity, strengthened student representation and maintained mechanisms for anti-corruption transparency, public consultation, surveys and rights protection. This institutional capacity builds trust and ensures the stable operation of educational, research and community initiatives.

Collegial Governance and Representation

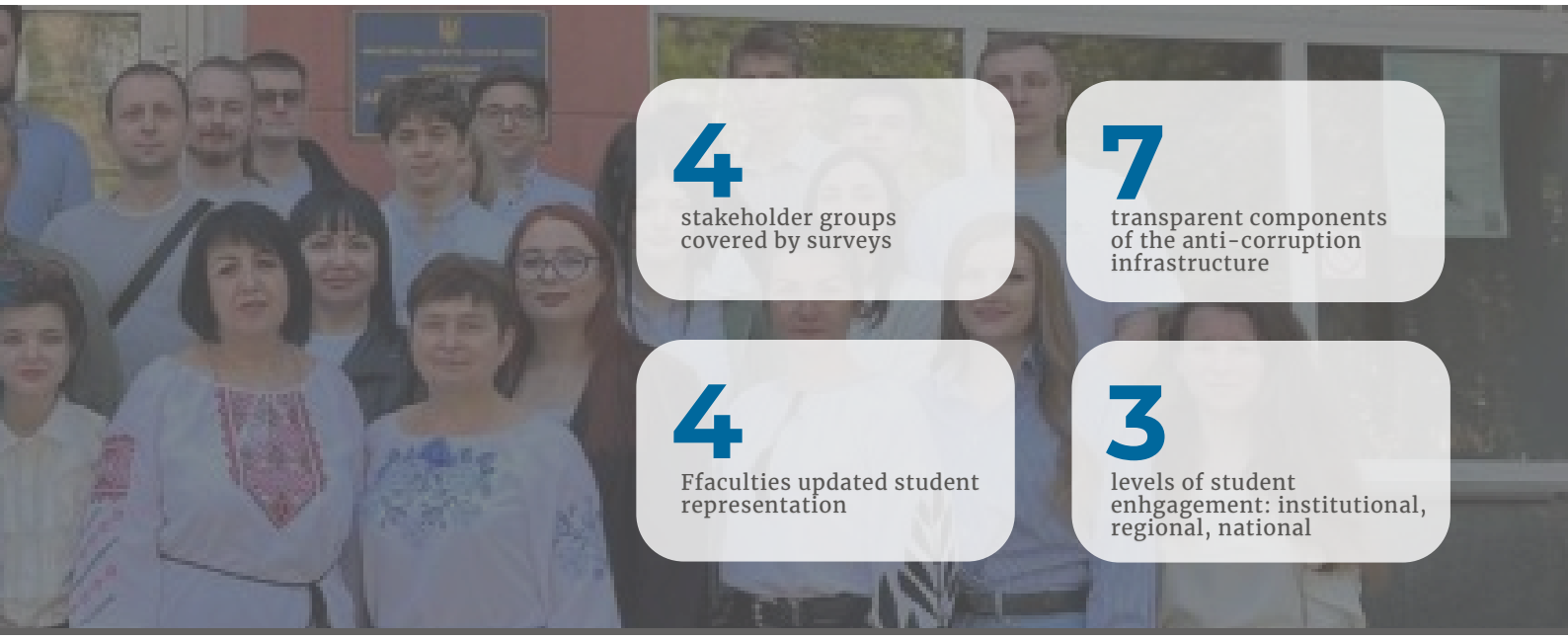
The Academic Council, faculty boards, internal quality assurance bodies and student self-government form an interconnected participation system. Elected representation provides students with a legitimate channel to influence university life, while involving stakeholders in the discussion of educational programmes and internal documents helps align decisions with the needs of both the university community and the external environment.

Academic Integrity, Transparency and Accountability

Updated regulations define fair assessment criteria, accountability for violations, the right to be heard and avenues for appeal. Public anti-corruption documents, access to public information, open public consultations and the availability of survey results form a transparent regulatory framework. Educational and awareness-raising activities translate integrity requirements from a set of rules into an everyday academic and professional culture.

Rights Protection and Feedback

Surveys of students, alumni, employers and academic staff, public consultations, the student ombudsperson and channels for appeals and feedback provide opportunities to report issues and submit proposals. The quality of governance is defined not only by the availability of these channels but also by the “decision trail”: what was considered, what changes were adopted, who is responsible for implementation and what the final outcome is.



Institutional Framework for Sustainable Development

The Ranking and Institutional Reporting Working Group coordinates data collection and verification. The open repository supports access to research outputs, while public sections of the website provide access to regulatory documents, decisions and anti-corruption and financial information. Public reporting is ensured regarding the university's societal impact and its contribution to achieving the sustainable development goals.

Policy-Making Engagement and Institutional Resilience

In 2025, student self-government combined internal organisational renewal with participation in regional and national consultations. Amidst war and relocation, TSATU maintained its governance operations, regulatory framework, educational and research processes and connection with the community.

Detailed Results, Indicators and Evidence by Sustainable Development Goal

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

17 PARTNERSHIPS FOR THE GOALS

1 NO POVERTY

No Poverty

Education as a tool for social resilience and empowerment

Access to quality education, financial literacy, professional opportunities and employment is a vital factor in overcoming socio-economic vulnerability. Amidst relocation and operating in a frontline area, TSATU supports vulnerable categories of students, internally displaced persons and youth from war-affected territories. The university combines social support, advisory guidance, financial education, and professional training to strengthen the economic independence of youth.

2278.4 k UAH IN FINANCIAL ASSISTANCE

129 INDIVIDUALS ENROLLED VIA VOUCHERS

25 ENTRANTS AWARDED STATE GRANTS

76 STUDENTS WHO ARE ORPHANS

4873.7 k UAH IN MEAL SUBSIDIES

EDUCATION

TSATU expands higher education access for applicants facing complex social circumstances or the consequences of war. The university provides information on special admission terms, social scholarships, state-funded opportunities and the activities of the *Crimea-Ukraine* and *Donbas-Ukraine* educational centres. In 2025, over 700 graduates from Zaporizhzhia and Kherson regions participated in the *Applicant's Guide* initiatives. Educational support was complemented by financial literacy measures aimed at fostering responsible management of personal resources and reducing youth vulnerability.

- Special admission terms
- *Crimea-Ukraine* and *Donbas-Ukraine* educational centres
- Social scholarships
- Financial literacy
- Information and advisory support

SUCCESS STORY



KNOWLEDGE FOR MITIGATING ECONOMIC VULNERABILITY

In 2025, TSATU implemented a series of financial literacy initiatives within the framework of *Global Money Week*, the interactive training *Financial Labyrinth* and the session *Financial Literacy: The Key to Success and Stability*. The initiatives engaged more than 70 participants from the university, its structural units, and secondary schools. Participants built practical skills in budgeting, saving, assessing financial risks and making responsible decisions, ultimately strengthening their financial independence and reducing economic vulnerability.

RESEARCH

In 2025, TSATU's research under SDG 1 focused on financial inclusion, financial security, socio-economic resilience, and regional recovery mechanisms. The 2nd International Scientific and Practical Conference *Current Issues of Financial Inclusion in the Context of Digitisation of Socio-Economic Systems: European Vector, Challenges and Perspectives* brought together researchers and practitioners to discuss access to financial tools, rural development and economic recovery. Research capacity was further strengthened through the FEB-2025 professional development programme titled *Socio-Economic Systems Research*, organised in cooperation with partner universities. The programme engaged 194 representatives from Ukrainian higher education institutions and businesses, covering modern approaches to researching finance, economics, marketing and business.



The 2nd International Scientific and Practical Conference *Current Issues of Financial Inclusion in the Context of Digitisation of Socio-Economic Systems: European Vector, Challenges and Perspectives*

- 127 participants
- 42 institutions and organisations
- 109 abstracts
- 3 countries
- 441 pages of proceedings

COOPERATION AND PARTNERSHIPS

TSATU cooperates with government agencies, local self-government bodies and civil society organisations to ensure educational access and support for individuals affected by the war. In 2025, a representative of the Office of the Ukrainian Parliament Commissioner for Human Rights monitored the activities of the *Crimea-Ukraine* and *Donbas-Ukraine* educational centres at TSATU. This monitoring helped identify ways to improve information support for residents of temporarily occupied territories and preferential categories.

In partnership with the Support Centre for IDPs, veterans and their family members, the university provided comprehensive guidance and support for members of the educational process affected by the war. Resilience-building activities engaged 126 individuals.

The participation of the Rector of TSATU in the public presentation of the special report by the Ukrainian Parliament Commissioner for Human Rights contributed to the university's involvement in the public dialogue regarding the representation of applicant needs.

- Office of the Ombudsman of Ukraine
- The *Crimea-Ukraine* and Donbas-Ukraine educational centres
- The Support Centre for IDPs, veterans and their family members

POLICIES AND SUPPORT MECHANISMS

Ensuring access to education and providing social support for students at the university are carried out in accordance with the legislation of Ukraine, TSATU's internal regulatory documents and special admission mechanisms for individuals from temporarily occupied territories and active combat zones. In 2025, the university systematically informed applicants about social scholarships, special admission conditions, state-funded education and the initiatives of the *Crimea-Ukraine* and *Donbas-Ukraine* educational centres.

The activities of these centres and applicant support mechanisms were subject to external monitoring by the Office of the Ombudsman of Ukraine, which enhances accountability and ensures that university procedures comply with human rights protection requirements.

- Regulations on the Awarding and Payment of Scholarships
- Procedure for Granting Financial Aid or Student Incentives
- TSATU Admission Rules for 2025
- Resources of the *Crimea-Ukraine* and *Donbas-Ukraine* educational centres
- Document on Support for Persons with Special Educational Needs
- Procedure for Appeals, Complaints or Consultations

2 ZERO HUNGER

Zero Hunger

Knowledge and Technology for Sustainable Agri-Food Systems

TSATU provides professional training, scientific research, engineering and technological solutions for the sustainable production, storage and processing of agricultural products. Special emphasis is placed on minimising losses, extending shelf life and enhancing the resilience of agri-food systems during times of crisis. By combining agricultural, food science and engineering training, the university builds the skilled workforce needed to modernise the agri-food sector.

530 **GRADUATES** OF PROGRAMMES FOR SUSTAINABLE AGRICULTURAL DEVELOPMENT

161 **GRADUATION PAPERS** ON AGRI-FOOD SYSTEMS RESEARCH

16 **PUBLICATIONS** INDEXED IN SCOPUS RELATING TO SDG2

4.07 **MLN UAH** IN STUDENT MEAL SUBSIDIES

103 **PARTICIPANTS** OF THE INTERNATIONAL CONFERENCE ON AIC INNOVATIONS

EDUCATION

TSATU provides comprehensive training for specialists across the entire agri-food chain. Agronomy programmes build competencies in sustainable crop production, management of agrocenosis productivity, and the rational use of natural resources. Practical training is reinforced by the *Ahrokebety* project, which combines academic learning with agribusiness expertise and modern practices in production and post-harvest product processing.

The programmes in *Food Technology* and *Healthy Nutrition Industry* cover raw material processing, food quality and safety, zero-waste technologies and the creation of products with enhanced nutritional value. The engineering component is provided by the *Agroengineering* and *Technological Equipment of Food and Processing Industry* programmes, which focus on the design, operation and modernisation of equipment for the production, storage and processing of food raw materials.

Combining agronomic, food technology and engineering education develops the competencies needed to produce safe food, reduce raw material losses and improve resource efficiency across agrifood systems.



- Agronomy educational programme
- Agroengineering educational programme
- Food Technology educational programme
- Healthy Nutrition Industry educational programme
- Horticulture and Viticulture educational programme
- Technological Equipment of Food and Processing Industry educational programme
- Elective Courses for the Food Technology major
- Practical and Dual Education for TSATU Students in 2025

COOPERATION AND PARTNERSHIPS

In 2025, TSATU developed cooperation with scientific institutions, agri-food sector enterprises and international partners in the fields of sustainable agricultural production and food security. Faculty members and students participated in initiatives focused on organic farming, climate change adaptation in horticulture, grain storage, food safety and technical support for the agro-industrial complex.
International internships and academic conferences facilitated the exchange of modern technological and engineering solutions. Dual education engaged 108 students in cooperation with 29 industrial partners, bringing the educational process closer to the real-world conditions of the agri-food sector.

- International internship *Food Safety: Innovations, Technologies, Prospects*
- conference on *Organic Agricultural Production: Education and Science*
- Training course *Ahrokebety PRO: Cereals and Oilseeds*
- 7th International Conference on the Technical Support of Innovative Technologies in the AIC
- Dual and practical training in cooperation with industrial partners
- Engagement of industry stakeholders in the improvement of educational programmes

POLICIES AND INSTITUTIONAL MECHANISMS

The systematic contribution of TSATU to food security is ensured by agricultural, food and engineering educational programmes, approved research directions, an internal quality assurance system and stakeholder engagement.
Topics such as sustainable agricultural production, food safety, waste reduction, resource efficiency and technical modernisation are fully integrated into both the curriculum and ongoing research. University research and scientific schools focus on the storage and processing of agricultural products, reducing food loss and enhancing the efficiency of processing equipment.
Through regular curriculum reviews involving employers, dual education initiatives and strong industry partnerships, TSATU ensures that its academic training directly meets the evolving needs of the agri-food sector.

- TSATU Development Strategy
- Internal quality assurance system for higher education
- Monitoring and review of educational programmes involving employers and other stakeholders
- Dual education form in cooperation with production partners
- Agricultural, food and engineering educational programmes
- Research and development on loss reduction, storage and processing of agricultural products
- TSATU developments for agricultural producers

SUCCESS STORY



TSATU SOLUTIONS FOR FOOD LOSS REDUCTION

Following harvest, part of the crop is lost due to rapid quality deterioration, suboptimal storage conditions and the high energy demands of technological processes. In 2025, TSATU researchers worked on comprehensive solutions to this problem through food technology and engineering research. Their investigations covered the storage of fruit, vegetable and mushroom produce, the application of protective biopolymer coatings, drying, cooling, secondary raw material processing and the improvement of processing equipment.
A significant scientific milestone was the successful defence of a doctoral dissertation dedicated to improving asparagus storage technology using a combined biopolymer coating. Concurrently, ongoing research is focused on developing storage technologies for fruit, vegetable and mushroom produce to minimise losses and waste.

RESEARCH

In 2025, TSATU research under SDG 2 covered the entire agri-food chain, ranging from sustainable agricultural production to storage, processing and the creation of safe food products. Researchers worked on storage technologies for fruit, vegetable and mushroom produce, the reduction of post-harvest and production losses, the utilisation of secondary raw materials and the development of long-shelf-life products. The engineering focus centred on enhancing the efficiency of processes and equipment for drying, cooling, homogenisation, mixing and processing agricultural raw materials. An important milestone was the successful defence of a dissertation on improving asparagus storage technology using a combined biopolymer coating.
Together, these studies form the basis for preserving food quality, extending shelf life and increasing the resource efficiency of agri-food systems.

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3 GOOD HEALTH AND WELL-BEING

Good Health and Well-Being

Well-Being Begins with a Culture of Care

Against the backdrop of war, relocation and prolonged psychological strain, TSATU integrates psychological support, civil and occupational safety education, the promotion of healthy eating habits and partnerships with specialised institutions. The university's educational programmes, outreach events, academic research and institutional mechanisms are designed to foster health-preserving competencies, ensure safe working and learning environments, and support individuals affected by the consequences of war.

EDUCATION

TSATU builds health and safety competencies through specialised programmes and educational components across various majors. Programmes in *Civil Security* cover occupational safety, civil protection, fire and technological safety, risk management and critical infrastructure protection. The *Healthy Food Industry* programme focuses on the development of safe, functional products and the assessment of their quality. This educational component was reinforced by training sessions on mental health support, crisis prevention, educators optimal well-being and safe interaction with students who are combat veterans. Combining formal and non-formal education broadens students and staff access to knowledge regarding safety, self-help, healthy eating and supporting others.

SUCCESS STORY



- Measures for preventing depressive states and supporting mental health
- Certified training course on veteran-sensitive interaction

PSYCHOLOGICAL RESILIENCE BEGINS WITH A WILLINGNESS TO LISTEN TO OTHERS

War, forced displacement and prolonged uncertainty place a heavy psycho-emotional burden on students and staff alike. In response, TSATU, in collaboration with the Support Centre for IDPs, Veterans and Theur Families of the Melitopol City Council, organised a psychological training session focused on preventing depressive states and supporting mental health. A total of 126 members of the university community participated, gaining knowledge on the signs of psychological distress, self-help strategies and how to support individuals in crisis.

This initiative was followed by three webinars and a training session on safe interaction with student combat veterans, facilitated by the *Nashi Mrii* (Our Dreams) NGO .

Together, these measures have established a foundation for better identifying psychological risks, interacting more effectively with veterans and fostering a culture of seeking help.

126 PARTICIPANTS OF THE MENTAL HEALTH TRAINING

277 PARTICIPANTS OF THE HEALTHY EATING PROGRAMME

2 PROGRAMMES ON HEALTH AND CIVIL SECURITY

5 PARTNERSHIPS HEALTH, RESILIENCE AND SAFETY

1 PROJECT ERASMUS+ SAFE LEARN

COOPERATION AND PARTNERSHIPS

In 2025, TSATU's partnership initiatives under SDG 3 were focused on providing psychological support, ensuring safe interaction with individuals affected by the consequences of war and promoting a culture of safety.
The joint measures carried out with partners expanded the community's access to external expertise and practical support tools.

- Partnership with the Support Centre for IDPs, Veterans and Their Families of the Melitopol City Council.
- Partnership with the Nashi Mrii NGO.
- The All-Ukrainian Mental Health Programme "Ty yak?" (How are you?)
- The 4th International Conference *One Health: Problems and Solutions*, which brought together participants from over 15 countries.



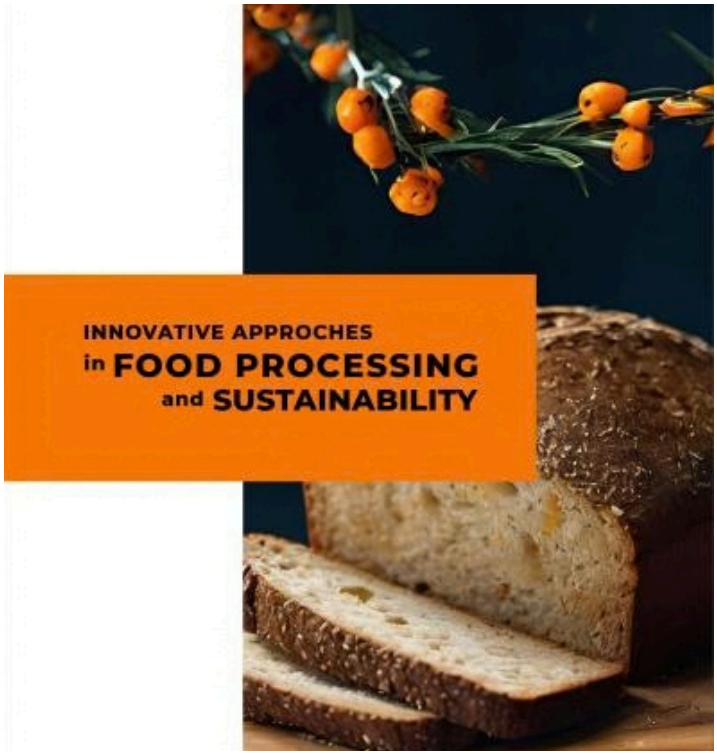
POLICIES AND INSTITUTIONAL MECHANISMS

- Ensuring the safety of the university's educational process participants under martial law is stipulated in the Development Strategy of TSATU under Martial Law and Post-War Recovery of Ukraine for 2023–2030.
- The legal framework for organising the university's educational, labour and managerial activities is defined by the TSATU Statute.
- Safe working conditions, occupational safety, and the socio-economic rights and guarantees of employees are regulated by the Collective Agreement between the Administration and the Trade Union Committee of TSATU for 2025.
- Psychological support for students aimed at creating appropriate conditions for the educational process is provided by the TSATU Psychological Service.
- Training specialists capable of ensuring healthy and safe working and living conditions is anchored in the educational programme *Civil Security* of the first (bachelor's) level.
- Training for risk and emergency management is anchored in the educational programme *Civil Security* of the second (master's) level.
- The development of competencies in creating safe and health-preserving food products is anchored in the educational programme *Healthy Food Industry*.
- Building competencies in life safety, occupational safety, and civil protection is ensured through compulsory and elective educational components of TSATU curricula.
- Professional training of staff for veteran-sensitive interaction is implemented through TSATU's professional development system. In 2025, the corresponding training comprised 3 hours, or 0.1 ECTS credits.

RESEARCH

TSATU's research contribution to SDG 3 in 2025 focused on healthy and specialised nutrition, workplace safety and the *One Health* interdisciplinary approach. A key milestone was a study on gluten-free granola production technology for the restaurant sector, published in an international scientific journal. Researchers also presented work on sugar reduction, the use of biologically valuable plant-based raw materials and the identification of workplace hazards. Furthermore, the university's participation in the International Conference *One Health: Problems and Solutions* expanded professional dialogue on the interconnections between human, animal, food and environmental health.

Research Directions



2025 Results

- A study on *Improvement of Gluten-Free Granola Production Technology in the Restaurant Segment* was published, focusing on the refinement of specialised gluten-free product technology. Experimental granola formulations were developed and evaluated, and their nutritional and energy value, organoleptic properties and production parameters were investigated.
- The co-authored monograph titled *Innovative Approaches in Food Processing and Sustainability*, was published, featuring research results on developing functional and specialised products, enhancing their nutritional value and improving manufacturing technologies.
- Research materials on workplace safety hazards, the use of biologically valuable plant raw materials, whole-grain product manufacturing and sugar reduction in food products were published in the TSATU repository.

Ongoing Research Directions

- Technologies of functional, specialised, and gluten-free food products.
- Reduction of sugar content and the use of alternative structuring components in food production.
- Use of whole-grain and biologically valuable plant-based raw materials to create products with enhanced nutritional value.
- Quality and safety of food products, particularly products for special consumer groups.
- Occupational risks, workplace hazards, occupational health and life safety.
- Development of the "One Health" interdisciplinary approach, examining the interrelations between human, animal, food system and environmental health.

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4 QUALITY EDUCATION

Quality Education

Knowledge for Recovery and Sustainable Changes

Amidst war and relocation, TSATU ensures the continuity and quality of education by combining digital learning, practical training, academic mobility and systematic professional development for educators. The university extends its educational opportunities beyond its own community through programmes for school, college and higher education teachers, international projects and open educational events. In 2025, the quality of TSATU's scientific and methodological practices received external recognition at two international educational exhibitions.

1983 STUDENTS ENROLLED

800 GRADUATES AWARDED A DEGREE

2 PROGRAMMES FULLY ACCREDITED

26 NEW AGREEMENTS ON COOPERATION AND PARTNERSHIPS

3 STUDENTS PARTICIPATING IN SEMESTER-LONG ACADEMIC MOBILITY

EDUCATION

TSATU provides training for students at the bachelor's, master's and PhD levels across 94 educational programmes. The educational process combines digital resources, elective disciplines, practical and dual training, academic mobility opportunities and asynchronous learning. The quality of educational programmes is maintained through monitoring, stakeholder surveys and the employer engagement.
Academic mobility expands students' international experience, while the Institute for Continuing Professional Development (ICPD) ensures the implementation of lifelong learning programmes and continuous professional development for teachers and external learners.
In 2025, the accessibility of education was enhanced as 129 entrants received tuition vouchers, and 25 students received state study grants.

COOPERATION AND PARTNERSHIPS

TSATU develops a professional educational environment for teachers of schools, colleges and higher education institutions. Advanced training programmes, internships, international educational projects and academic mobility ensure the exchange of experience and access to modern pedagogical practices.



Key areas for cooperation:

- International projects SAFE LEARN, LearnSave and EIT HEI-TRAIN;
- Student academic mobility under the Erasmus+ programme;
- Professional development programmes for teachers of schools, colleges, higher education institutions and business;
- Internships for college teachers at TSATU departments;
- Professional exchanges with Ukrainian and foreign experts;
- Establishing new cooperation and partnership agreements;
- Participation in international educational exhibitions;
- Dissemination of scientific, methodological and supervisory practices.

SUCCESS STORY

TSATU — A UNIVERSITY THAT MULTIPLIES KNOWLEDGE



TSATU has transformed professional development into an open knowledge-sharing hub connecting the university with schools, professional colleges and higher education institutions.

Faculty members from across all TSATU departments contributed to the *TEP* programmes, uniting the university's expertise in agriculture, engineering, energy, digital technology, economics, ecology and pedagogy. *TEP-Spring-2025: Implementation of Scientific Achievements in Modern Education* focused on embedding research findings into the learning process, *TEP-Autumn-2025: Modern Technologies and Pedagogical Practices* centred around digital tools and professional renewal for educators. Each programme was worth 1 ECTS credit and engaged 426 educators across Ukraine.

Open lectures delivered through the *Guest Professor* academic movement ensured broad access to the expertise of Ukrainian and international scholars, as well as industry practitioners. This framework was further enriched by partner-organised FEB-2025 *Socio-Economic Systems Research* and TechnoMay-2025 *Transformation of Energy Systems in the Context of Sustainable Development* initiatives. Combined with courses and internships for college instructors, these initiatives formed a multi-level lifelong learning system that reached 948 participants. The excellence of TSATU's professional development system has been validated by prestigious international awards, including a Grand Prix, two gold medals and the *Leader of Innovation in Education – 2025* title.

426 **EDUCATORS** PARTICIPATED IN TAVRIA EDUCATIONAL PRACTICES

194 **FEB-2025 PARTICIPANTS** COMPLETED TRAINING AMOUNTING TO 2 ECTS CREDITS

161 **TechnoMay-2025 PARTICIPANT** COMPLETED TRAINING AMOUNTING TO 2 ECTS CREDITS

167 **COLLEGE TEACHERS** COMPLETED INTERNSHIPS AT THE UNIVERSITY

4 **AWARDS** AT TWO INTERNATIONAL EXHIBITIONS

POLICIES AND INSTITUTIONAL MECHANISMS

Quality and accessibility

- Ensuring the continuity, quality and accessibility of education amidst the war is enshrined in the TSATU Development Strategy for 2023–2030.
- The quality of education is defined by the TSATU Statute, the Regulations on the Organisation of the Educational Process, and the Regulations on the Internal Quality Assurance System for Higher Education.
- Monitoring and revision of educational programmes is carried out in accordance with TSATU internal procedures.

Rights and educational trajectory

- Student engagement in educational quality assessment is ensured through the Regulations on Surveying Participants in the Educational Process.
- The individual educational trajectories are supported by the Procedure for Choosing Elective Courses.
- The recognition of non-formal learning results is regulated by the relevant TSATU regulations.
- Academic mobility is regulated by the Regulations on Academic Mobility.
- Academic integrity is safeguarded by the Honour Code and the Regulations on Academic Integrity.

Professional and digital development

- Staff professional development is governed by the Regulations on the Professional Development of Academic and Teaching Staff and the Regulations on the ICPD.
- Digital support for the educational process is provided by Moodle, the *Osvita* system and the digital resources of the Academic Library.

RESEARCH

In 2025, TSATU's academic and methodological work focused on modern teaching approaches, digitalisation, supervision, artificial intelligence, critical thinking development and practical training. These outcomes were showcased in collections of papers, conference proceedings, and publications and recognised at international educational exhibitions.

2025 Results

- Collection of papers *Improving the Educational and Training Process in Higher Education Institutions*
- Proceedings of the international conference *Development of Modern Science and Education: Realities, Quality Issues and Innovations*
- 4 exhibition awards: a Grand Prix, two gold medals and the *Leader of Innovation in Education – 2025* title.

Research Directions

- Blended and remote learning
- Supervision and professional development of educators
- Moodle, digital tools, and AI in education
- Practical and dual training
- Non-formal education and recognition of its results
- Inclusive and safe e-learning
- Resilient teaching

Publications

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5 GENDER EQUALITY

Gender Equality

Overcoming Barriers, Expanding Opportunities

TSATU fosters an educational and professional environment where gender does not limit access to learning, research, leadership and professional development. Institutional policies, educational initiatives and partnership projects are aimed at preventing discrimination, overcoming gender stereotypes and empowering women.

317 **FEMALE GRADUATES** WERE AWARDED DEGREES

58% **WOMEN** AMONG FACULTY DEANS

42% **FEMALE** HEADS OF DEPARTMENTS

5 **POLICIES** ON GENDER EQUALITY AND PROTECTION

149 **PARTICIPANTS** OF WEBINAR ON NON-DISCRIMINATION

EDUCATION

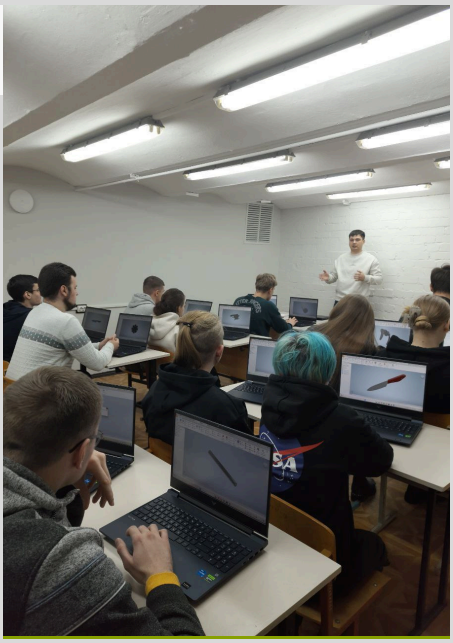
TSATU ensures equal access for women and men to educational programmes, elective disciplines, academic mobility, practical and dual training, scholarships and other professional development opportunities. Gender-related topics are integrated into the training of future managers and specialists in public administration through the lenses of human rights, non-discrimination, social inclusion, community development and equal opportunities, considering that issues of equality, social inclusion, community development and non-discrimination are closely linked to shaping the competencies of future leaders and public civil servants. The participation of academic staff in the event *Rural Women in Ukraine: From Barriers to Equality* helped update the content of these educational programmes with modern European approaches to gender equality, community development and the support for rural women. Furthermore, TSATU promotes the overcoming of stereotypes regarding the participation of girls and women in engineering education through the popularisation of digital technologies among youth.

SUCCESS STORY

ENGINEERING EDUCATION WITHOUT GENDER BARRIERS

In 2025, TSATU completed the DigiTech: Increasing the Accessibility of Engineering and Technical Education for Youth project, which was carried out within the framework of the *Mriiemo ta Diiemo* (Dream and Act) programme with financial support from USAID and implemented by IREX. It aimed to engage young people in engineering and technical specialities, develop digital and practical competencies and popularise the dismantling of gender stereotypes within the technical sector.

TSATU acted as the implementer of the educational project, expanding access for young people, particularly girls, to fields where women are traditionally underrepresented. The project combined career guidance, introductions to modern technologies and practice-oriented learning, helping young people view engineering education as open to everyone regardless of gender.



COOPERATION AND PARTNERSHIPS

TSATU collaborates with educational, civic and international organisations to empower women and youth, promote gender-sensitive approaches and develop an inclusive educational environment.



Main initiatives:

- Implementation of the DigiTech project to increase the accessibility of engineering and technical education for youth;
- Participation in the *Rural Women in Ukraine: From Barriers to Equality*;
- Participation in *the New Opportunities for Ukrainian Women and Youth* project;
- Engaging women in international programmes;
- Representation of TSATU by female researchers at academic and professional platforms;
- Support for female students participating in internships, competitions, and entrepreneurial and civic initiatives;
- Promoting stories highlighting women's professional and scientific leadership.

472 **FEMALE APPLICANTS** ENROLLED IN 2025

24% **WOMEN** AMONG ALL ENROLLED STUDENTS

13 **FEMALE EMPLOYEES** RECEIVED AWARDS

6 **FEMALE RECIPIENTS** OF NAMED ACADEMIC SCHOLARSHIPS

4 **FEMALE STUDENTS** RECEIVED LEADERSHIP AWARDS

POLICIES AND INSTITUTIONAL MECHANISMS

- Equality of rights and opportunities, non-discrimination and respect for diversity — TSATU Gender Equality and Social Inclusion Policy.
- Prevention of discrimination in labour relations — TSATU Collective Agreement.
- Protection of maternity and paternity — internal university policies and social guarantees.
- Dismantling of gender stereotypes — Policy on the Prevention of Gender Stereotypes.
- Prevention of sexual exploitation, harassment and abuse — relevant internal policies and reporting mechanisms.
- Ethical and non-discriminatory behaviour — Code of Honour and Code of Academic Integrity.
- Equal access to education, scholarships, mobility and professional development — TSATU internal regulations.
- Support for students — tutoring, mentoring, psychological and counselling assistance.
- Gender equality monitoring — gender-disaggregated statistics on education, employment, leadership, research and mobility.

WOMEN IN SCIENTIFIC LEADERSHIP

The scientific contribution of TSATU to SDG 5 covers gender equality, the legal protection of women's rights, social inclusion, gender-responsive budgeting, women's participation in community development and equal opportunities in professional activities.

Female researchers at TSATU demonstrate high performance in their fields.

Professor Natalia Trusova ranks among the Top 1,000 Ukrainian scientists by Scopus metrics, holding the highest h-index at TSATU.

Research Directions

- Gender equality and the legal protection of women's rights.
- Gender-responsive budgeting.
- Equal opportunities in employment, education, and management.
- Social inclusion and non-discrimination.
- Women's participation in the development of rural areas and communities.
- Women's entrepreneurship and digital competencies.
- Dismantling of gender stereotypes in technical and agricultural education
- Support for women's scientific and professional leadership.

6 CLEAN WATER AND SANITATION

Clean Water and Sanitation

From Scientific Expertise to Sustainable Water Solutions

Amid the destruction of water infrastructure, water pollution and mounting ecological risks, TSATU focuses its educational, research and partnership initiatives on rational water use, monitoring the state of aquatic ecosystems and shaping solutions for the recovery of water supply systems. In 2025, university researchers contributed to the development of the Vision for Integrated Water Resources Management in Kherson Region, combining ecological expertise with the region's post-war recovery needs.

6 **PROGRAMMES** ON WATER USE AND ECOLOGY

149 **PARTICIPANTS** OF THE WEBINAR ON WATER ECOSYSTEMS

2 **SOLUTIONS** ON WATER PURIFICATION AND IRRIGATION

1 **MONOGRAPH** ON WATER RESOURCES MANAGEMENT

1 **PROJECT** ON KHERSON REGION WATER SUPPLY RECOVERY

EDUCATION

TSATU builds competencies in environmental protection, water resource monitoring, rational nature management and environmental safety by training students majoring in Ecology and in agricultural and engineering profile programmes. The educational process combines rigorous theoretical instruction with the analysis of real-world environmental challenges, the use of digital monitoring tools, and insights from external experts.

As part of the Environmental Awareness module, students and faculty explored the legal frameworks governing wetland conservation, their ecosystem value and emerging threats to aquatic and coastal areas.

SUCCESS STORY



WATER FOR RECOVERY: TSATU'S SCIENTIFIC EXPERTISE FOR KHERSON REGION

The destruction of Kakhovka HPP and damage to water infrastructure have created massive risks for water supply, ecosystems and the future development of communities in Kherson region. Recovery requires both urgent technical solutions and a long-term water resources management model.

In 2025, TSATU researcher Viktoriia Skyba joined the working group for the project *Reconstruction of Water Supply Systems in the Kherson Region: Immediate Measures and Sustainable Solutions* and participated in presenting the Vision for Integrated Water Resources Management. TSATU's expert contribution covered the assessment of the environmental consequences of the war, the implementation of European approaches to water policy and the scientific substantiation of long-term management decisions.

The collaborative effort resulted in the developed Vision for Integrated Water Resources Management — a strategic benchmark combining water supply recovery, environmental safety and sustainable territorial development.

COOPERATION AND PARTNERSHIPS



TSATU interacts with authorities, water management institutions, environmental organisations, and international partners to develop solutions in the fields of water supply, water resource protection, and sustainable territorial recovery.

Key initiatives:

- Participation in the project Reconstruction of Water Supply Systems in the Kherson Region: Immediate Measures and Sustainable Solutions;
- Membership in the expert group forming the Vision for Integrated Water Resources Management;
- Cooperation with water management institutions, notably the Tiachiv Interdistrict Directorate of Water Management;
- Participation of researchers and students in the international EU4Environment seminar;
- Professional engagement with communities, environmentalists and spatial planning specialists;
- Dissemination of knowledge regarding wetland conservation;
- Participation in conferences on ecological recovery and nature management.

POLICIES AND INSTITUTIONAL MECHANISMS

- Environmental safety, sustainable use of natural resources and post-war recovery — TSATU Development Strategy for 2023–2030.
- Legal frameworks for environmental protection, educational and research activities — TSATU Statute.
- Training specialists in environmental protection and natural resource management — educational programmes in Ecology.
- Environmental and water resource monitoring — educational components and research areas of the Department of Geoecology and Land Management.
- Compliance with sanitary and safety standards for studying and working — Collective Agreement and internal occupational health and safety documents.
- Rational use of resources and environmentally responsible behaviour — internal practices.
- Partnership engagement with water management institutions — cooperation agreements initiatives of the I.
- Transparency of environmental information — publication of educational, research, and partnership materials on the official website.



RESEARCH

TSATU's scientific contribution to SDG 6 encompasses water purification, ion-exchange processes, water resource monitoring, the water regime of agro-ecosystems, the environmental consequences of the destruction of hydraulic infrastructure and integrated water resources management.

The scientific expertise of the Department of Geoecology and Land Management was utilised in preparing the Vision for Integrated Water Resources Management for Kherson Region, focusing on the consequences of the war-related water impacts, European water policy and long-term water supply recovery.

Research Directions:

- Water purification technologies and ion-exchange processes;
- Monitoring the quality and state of water resources;
- Environmental consequences of the war for aquatic ecosystems;
- Water regime of soils and agricultural crops;
- Sustainable use of water in agricultural production;
- Integrated water resources management;
- Restoration of damaged water infrastructure;
- Conservation of wetlands and coastal ecosystems.

7 AFFORDABLE AND CLEAN ENERGY

Affordable and Clean Energy

Clean Energy for Sustainable Agricultural Production and Recovery

TSATU promotes energy transformation through the training of specialists, research into renewable energy sources, energy storage systems, biogas, solar and wind systems and the development of energy-efficient technologies for the agro-industrial complex. In 2025, the university integrated educational, research and partnership initiatives around the search for sustainable energy solutions for the recovery of Ukraine.

EDUCATION

TSATU prepares specialists through the degree programmes Electric Power Engineering, Electrical Engineering and Electromechanics and Digital Technologies in Electrical Engineering. Students gain expertise in energy conservation, renewable energy applications, electrification system design, digital control of energy processes, power quality assurance and the operation of solar and wind energy installations.

An interdisciplinary approach combining energy engineering with agricultural engineering, computer science, ecology and food technology, builds critical competencies for the energy modernisation of the agro-industrial complex. Participation of university representatives in ECOENERGY EXPO 2025 broadened access to cutting-edge solutions in solar power, energy storage, off-grid systems and energy-efficient equipment.

SUCCESS STORY



AGRIVOLTAICS: A SHARED SPACE FOR FOOD PRODUCTION AND CLEAN ENERGY

The need for energy independence and the rational use of land requires solutions capable of combining food production with renewable energy generation. One of such approaches is agrivoltaics — the simultaneous use of land for agricultural production and solar energy generation.

In March 2025, TSATU signed a Memorandum of Understanding with the Agrivoltaics Association of Ukraine NGO. The document identified agrivoltaics as a promising direction for strengthening food and energy security.

In April, university researchers participated in the International Conference Agrivoltaics Development Strategy: Status, Challenges and Implementation Steps in Ukraine. Discussions covered engineering, agrotechnological, economic, and regulatory aspects, as well as opportunities for cooperation with partners from Denmark and the EU and the preparation of pilot research projects.

The combination of formalised partnership and international professional dialogue has laid the foundation for the development of interdisciplinary research and future demonstration solutions in agrivoltaics at TSATU.

2 **DEGREE PROGRAMMES** RELATED TO ENERGY

147 **PARTICIPANTS** OF THE INTERNATIONAL CONFERENCE ON INNOVATIVE TECHNOLOGIES

1 **COMPLETED R&D PROJECT** ON THE EVALUATION OF THE ENERGY PERFORMANCE OF A SOLAR DRYER

1 **MEMORANDUM** ON COOPERATION IN AGRIVOLTAICS

1 **EXHIBITION PARTICIPATION** ECOENERGY EXPO 2025

COOPERATION AND PARTNERSHIPS

TSATU's partnership initiatives in the field of clean energy encompassed:

- cooperation with the Agrivoltaics Association of Ukraine NGO;
- international professional dialogue on the development of agrivoltaics;
- participation in ECOENERGY EXPO 2025;
- the exchange of results at conferences on energy conservation and renewable energy;
- the dissemination of research outcomes through the institutional repository;
- interaction with research institutions, universities, professional organisations and representatives of the energy business.

POLICIES AND SUPPORT MECHANISMS

The systematic nature of TSATU's contribution to SDG 7 is ensured by:

- TSATU's Development Strategy for 2023–2030;
- energy-related degree programmes;
- research directions in energy and resource conservation within agro-industrial technological processes;
- open access to publications, qualification works and conference materials;
- internal facility reviews and the preparation of recommendations for reducing energy losses within the university's available infrastructure.



RESEARCH

In 2025, TSATU's research encompassed energy generation, storage, and efficient use, the integration of renewable sources into local systems and energy solutions for the agro-industrial complex.

Key Findings

- A comparative analysis of lithium iron phosphate and sodium-ion storage systems was conducted based on energy efficiency, durability, material composition, and economic feasibility.
- The use of biogas plants as flexible sources for balancing solar and wind generation was substantiated.
- A research project on developing a methodology for evaluating the energy performance of a solar dryer was completed.
- The impact of climate change on the potential and reliability of renewable energy sources was investigated.
- A highly efficient method for transforming biomass into solid fuel was presented.

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8 DECENT WORK AND ECONOMIC GROWTH

Decent Work and Economic Growth

From Education to Professional Experience and Sustainable Employment

TSATU contributes to achieving SDG 8 through practical and dual training for students, the development of entrepreneurial and digital skills, partnerships with employers, and the provision of decent working conditions at the university. Educational programmes are geared towards gaining professional experience, understanding current labour market requirements and preparing students for employment and self-employment.

In 2025, particular attention was paid to maintaining the link between education and the real-world working environment amidst the university relocation. Practical and dual training, work placements, professional forums, meetings with employers, and collaboration with regional employment centres helped students chart their own career paths. At the same time, TSATU fostered an entrepreneurial culture, supported collaboration between education, science and business, and refined its internal policies regarding labour rights, social guarantees, equal opportunities and occupational safety.

206 **PRACTICAL INTERNSHIPS** WERE ORGANISED FOR STUDENTS

17 **STUDENTS** HAD THEIR PRACTICAL TRAINING ABROAD

108 **STUDENTS** WERE DUAL TRAINING STUDENTS

3082 **STUDENTS** HAD WORK EXPERIENCE OVER 1 MONTH

419 **WORKERS** WERE TRADE UNION MEMBERS

SUCCESS STORY



FROM EDUCATION TO EMPLOYMENT: TRAINING IN PARTNERSHIP WITH EMPLOYERS

Despite the relocation, TSATU has continued to enhance conditions for the professional development of students, combining practical and dual training, collaboration with employers, digital skills development and career guidance. Dual training at the Orikhivsilmash and Hydraulic Line enterprises enabled students to combine theoretical knowledge with hands-on production tasks. Collaboration with Servio Soft facilitated the introduction of modern digital solutions into training for specialists in the retail sector, the hospitality and catering industry, and business management.

In 2025, 15 graduating departments organised 206 academic and work placements. The development of partnerships with the Transcarpathian and Chernivtsi Regional Employment Centres, participation in the AGROSS-2025 and PROMOZHLIVOSTI forums, as well as professional meetings and events involving employers, all contribute to expanding career opportunities for students.

The combination of study, practical experience and career support helps students adapt to the demands of the labour market and identify prospects for professional development whilst still studying.

EDUCATION

TSATU trains specialists in economics, marketing, entrepreneurship, commerce, finance, accountancy, management, public administration, information technology, engineering and agricultural sciences. The entrepreneurial component of education has been strengthened by:

- the HEI-TRAIN project, aimed at developing entrepreneurial, managerial and digital skills and fostering collaboration between the university and the business sector;
- the SCIENCE2BUSINESS initiative, focused on the commercialisation of research outcomes;
- the round table 'Development of the Business Ecosystem: Integration of Business, Education, Science and Government';
- student participation in environmental entrepreneurship competitions;
- the promotion of opportunities under the Erasmus for Young Entrepreneurs programme;
- the publication of the textbook 'Fundamentals of Entrepreneurship and Trade: From the Classics to Digitalisation'.

RESPONSIBLE EMPLOYMENT

TSATU ensures the protection of labour rights, social guarantees, safe working conditions and the professional development of its staff. In 2025, the university employed 419 people, of whom 250 were academic and teaching staff; 75.6 per cent of these held academic degrees, and 55 per cent were women. Employment relations are governed by a collective agreement, and the trade union represents staff interests. A 36-hour working week has been established for academic and teaching staff, and occupational health and safety measures are in place, with 0.5 per cent of the wage bill allocated to fund these in 2025.

The university supports the professional development of its staff. In 2025, 16 academic and teaching staff undertook work placements at enterprises and organisations, including the travel company Anex Tour, the Pryazovskyi National Nature Park and the business sector. This contributes to the development of lecturers' competences and strengthens the link between education and the professional environment.





COOPERATION AND PARTNERSHIPS

The university is developing partnerships with businesses, professional associations, government bodies and employment agencies. Career guidance and professional networking opportunities for students were facilitated by the AGROSS-2025 agricultural forum, the PROMOZHLIVOSTI forum, collaboration with the Transcarpathian and Chernivtsi regional employment centres and discussions on the prospects of the green labour market. Students received information on industry trends, employers' requirements, opportunities for work placements, professional development and starting their careers.

A practical outcome of the partnership with the business sector is the development of dual education. For the third year running, students specialising in Industrial Mechanical Engineering have been combining their studies with work at Romny Traktorozapchastyny Plant PJSC, gaining experience directly on the production floor. During a dialogue between representatives of the Ministry of Education and Science, universities and the business sector on the development of dual education, partner companies Orikhivsilmash Ltd and Vilnianka Ltd confirmed their readiness to provide work placements, support the further employment of graduates and participate in the updating of educational programmes. The university's professional network has expanded thanks to the admission of academics to the NGO 'Azov Hospitality' and the Association of Hotel Associations and Hotels of Ukrainian Cities, which brings together over 250 enterprises in the sector. The effectiveness of the collaboration between education and industry was also demonstrated by the participation of a TSATU representative in the Ukrainian Employers Annual Meeting 2025 and their recognition at the Ukrainian Employers Awards. Employers act as providers of work placements and dual learning programmes, as stakeholders in educational programmes and as partners in professional events, helping to ensure that the training of specialists is aligned with the current needs of the economy.

POLICIES AND SUPPORT MECHANISMS

TSATU's systematic approach to decent work and employment promotion is underpinned by a set of internal policies, regulatory documents and practical tools. These govern the organisation of practical and dual training, engagement with employers, the protection of labour rights, safe working conditions and equal opportunities for employees and students.

- Regulations on practical training for students.
- Procedures for organising overseas work placements.
- Mechanisms for implementing the dual education system.
- Involvement of employers in the review of educational programmes.
- Agreements with enterprises and institutions serving as placement sites.
- Collective agreement and trade union representation.
- Policies on equality, non-discrimination and the prevention of harassment.
- The system of occupational health and safety and social safeguards.
- Partnerships with regional employment centres.
- University initiatives on career guidance and employment support.

RESEARCH

Research at TSATU covered the economic resilience of enterprises and communities, the development of entrepreneurship, agribusiness and the digital economy, the functioning of the labour market, finance, marketing and the revitalisation of regional socio-economic systems.
The dissemination of these findings was facilitated by the 12th All-Ukrainian Scientific and Technical Conference of higher education students from the Faculty of Economics and Business, the production of educational and scientific publications, and platforms for interaction between the scientific community and the business sector.

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9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

Industry, Innovation and Infrastructure

Innovative Infrastructure for Technological Development

TSATU contributes to the achievement of SDG 9 through applied engineering research, intellectual property creation, digitalisation, and collaboration with industrial and scientific partners. Research covers automation, mechanical engineering, robotics, energy efficiency, digital modelling and the modernisation of the agro-industrial complex.
In 2025, the university focused on restoring its digital and research capabilities following the loss of access to its material and technical infrastructure in the occupied city of Melitopol. Thanks to state, grant and international funding, equipment was upgraded, and digital design, prototyping and innovative activities were developed.

8.31 **MLN UAH** INVESTMENT IN EQUIPMENT

270 **UNITS** OF DIGITAL EQUIPMENT

48 **INTELLECTUAL PROPERTY** PROTECTION DOCUMENTS

37 **PATENT APPLICATIONS** WERE FILED

100 **THOUSAND EURO** GRANT FOR THE HEI-TRAIN PROJECT

EDUCATION

The modernisation and development of the university's digital infrastructure help create the right conditions for using modern technologies to develop students' skills in 3D modelling, computer-aided design, additive manufacturing, artificial intelligence, and prototyping. In 2025, four academic and teaching staff members completed a 30-hour training course on '3D Modelling and Printing'.
Young researchers were encouraged to engage in innovative activities through the 4th All-Ukrainian Online Conference 'Science and Innovations in the 21st Century'. The papers presented covered digitalisation, automation, engineering, wireless power transmission, modern manufacturing technologies and urban agriculture.

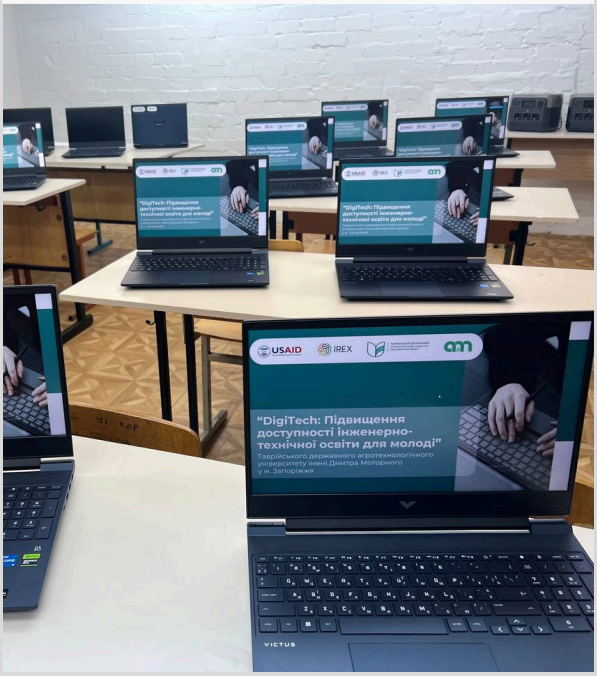
RESEARCH

In 2025, researchers at TSATU completed studies in technical support for innovative technologies in the agro-industrial sector, the automation of electrical systems, and resource and energy conservation.
The university was granted 48 intellectual property rights. Among the patented solutions are a harrow with a screw-type working element for surface soil loosening and a belt conveyor for transport and processing systems.
Implementation has begun on a state-funded research project to integrate electric and hydrostatic drives into mobile robotic platforms for demining and logistics. The development combines the university's engineering expertise with the needs for the safe restoration of territories and infrastructure.
Research in the field of digital and intelligent systems has covered simulation modelling of agricultural logistics, the application of fuzzy logic to optimise irrigation, artificial intelligence in system modelling, the automation of agricultural production, and digital control of technological processes.

RECONSTRUCTION OF THE INFRASTRUCTURE OF THE RELOCATED UNIVERSITY

As a result of the occupation of Melitopol, TSATU lost access to a significant part of its teaching and research facilities, which made it necessary to rebuild its infrastructure in Zaporizhzhia.
In 2025, using funds from the state budget, the university purchased scientific and laboratory equipment, computer hardware and materials worth 8.31 million UAH, including 200 Lenovo laptops, 30 projectors and 40 multifunctional devices. Additional equipment worth 1.49 million UAH was received as part of a project run by the Ministry of Education and Science of Ukraine and the World Bank, which strengthened the university's digital resilience.
The development of innovative infrastructure was facilitated by the DigiTech laboratory, equipped with tools for 3D modelling, digital design and prototyping. One of the outcomes of its work was the creation of a 3D model of the Polohy District emblem, commissioned by the local community. The infrastructure upgrade has provided the necessary conditions for engineering education, applied research and the implementation of digital technologies.

SUCCESS STORY



COOPERATION AND PARTNERSHIPS



TSATU is developing cooperation with businesses, research institutions and international partners. Collaboration with TEMERLAND Ltd and the Institute of Mechanics and Automation of Agro-Industrial Production facilitates the implementation of scientific developments, whilst the partnership with Aston University opens up research opportunities in robotics, artificial intelligence and the digitalisation of agricultural production.
The HEI-TRAIN international project aims to develop entrepreneurial skills, foster start-ups, and promote collaboration between universities and the business sector. The 7th International Conference on 'Technical Support for Innovative Technologies in the Agro-Industrial Sector' brought together 147 participants to discuss automation, energy efficiency and the digitalisation of production.

POLICIES AND SUPPORT MECHANISMS

TSATU's systematic activities in industry, innovation and infrastructure are ensured by strategic documents, internal regulations and management tools for research and intellectual property. These govern the creation, legal protection and dissemination of scientific developments, the development of digital infrastructure, the implementation of innovative projects and collaboration with industrial partners.

- TSATU Development Strategy for 2023–2030.
- Priority areas of the university's scientific activity.
- Regulations on the organisation of scientific and innovation work.
- System for the protection and registration of intellectual property.
- TSATU database of scientific developments.
- Tools for technology transfer and commercialisation.
- Register of agreements on scientific consultancy and cooperation.
- Mechanisms for implementing international and state-funded research projects.
- Rules for the use of digital and laboratory infrastructure.

Publications

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10 REDUCED INEQUALITIES

Reduced Inequalities

Equal Access to Learning and Educational Opportunities

TSATU contributes to the achievement of SDG 10 by expanding access to higher education for young people from temporarily occupied, frontline and rural areas, internally displaced persons, veterans and other socially vulnerable groups. The university provides special admission arrangements, state education vouchers, social scholarships, flexible learning formats and personalised support for applicants.

In 2025, TSATU combined educational and social support with a non-discrimination policy, helping those affected by the war access opportunities for education and professional development.

700+ **SCHOOLCHILDREN** PARTICIPATED IN THE APPLICANT'S GUIDE PROJECT

1 **THOUSAND SCHOOLCHILDREN** ENGAGED IN CAREER GUIDANCE

300+ **PARTICIPANTS** OF «АБІТFEST 2025»

129 **APPLICANTS** RECEIVED STATE VOUCHERS

6.35 **MLN UAH** FOR SOCIAL SUPPORT

SUCCESS STORY



EDUCATION WITHOUT GEOGRAPHICAL OR SOCIAL BARRIERS: FROM INITIAL CONSULTATION TO ENROLMENT

Amidst the war and forced displacement, TSATU ensures access to higher education for young people from temporarily occupied and frontline territories, internally displaced persons and other socially vulnerable groups. The university combines career guidance, special admission conditions, financial support schemes and flexible learning formats.

In 2025, the online Applicant's Guide project, meetings in schools across Zaporizhzhia and 'AbitFest 2025' helped young people to obtain information about educational opportunities and admissions requirements. Individual counselling, Quotas 1 and 2, and the activities of the *Crimea-Ukraine* and *Donbas-Ukraine* educational centres helped to overcome barriers for applicants from war-affected areas.

Financial accessibility to education was ensured by state vouchers, through which 129 people enrolled at the university in 2025.

Access to quality education, financial literacy, career opportunities and employment is a key factor in overcoming socio-economic vulnerability. In the context of relocation and operating in a frontline area, TSATU supports applicants from priority groups, internally displaced persons and young people from war-affected areas. The university combines social support, counselling, financial education and professional training to strengthen young people's economic independence.

EDUCATION

TSATU upholds the principles of equal opportunities, respect for diversity and non-discrimination. The admissions regulations provide for special arrangements in the competitive selection process for people with disabilities and applicants who, due to their health condition, require an adapted format for the entrance examinations.
The university has experience in using a Braille printer and preparing materials for people with sensory impairments. Whilst studying in Sweden, TSATU lecturers learnt approaches to adapting online courses for students with special educational needs. Participation in National Accessibility Week helped to promote the principles of accessibility and respect for the needs of different groups within the university community.



RESEARCH

TSATU research on SDG 10 covers financial and social inclusion, overcoming digital barriers, population economic vulnerability, and Ukraine's inclusive recovery. The university researchers are investigating the accessibility of banking, credit and insurance services, the digital transformation of the financial sector, and European approaches to ensuring economic equality.
The participation of lecturers in an international seminar on social inclusion facilitated the exchange of experiences regarding fair pay and the role of labour institutions. The 2nd International Scientific and Practical Conference on Financial Inclusion, organised by TSATU, served as an important platform for academic dialogue, receiving 90 applications. Its themes brought together issues of access to financial services, digital inequality and the socially oriented recovery of Ukraine.

COOPERATION AND PARTNERSHIPS

TSATU is developing partnerships with educational institutions, employment centres, civil society organisations and international partners to broaden access to education and professional development. Joint career guidance initiatives, inclusive training programmes and the exchange of expertise help to overcome educational and social barriers, support vulnerable groups and ensure equal opportunities.

POLICIES AND SUPPORT MECHANISMS

The systematic approach taken by TSATU to reducing inequality is ensured through a combination of rules on equal access to education, social support mechanisms and procedures to protect against discrimination. These tools cover admissions, study, employment relations, communication and the protection of the rights of members of the university community.

- Special admission conditions under Quota 1 and Quota 2.
- The *Crimea-Ukraine* and *Donbas-Ukraine* educational centres.
- Study funded by state vouchers.
- Social scholarships and state funding.
- Distance and blended learning formats.
- Special admission conditions for people with disabilities.
- Collective agreement containing provisions on non-discrimination.
- Confidential reporting of discrimination.
- Student self-governance, trade union and representatives.
- Open educational resources and the university repository.

11 SUSTAINABLE CITIES AND COMMUNITIES

Sustainable Cities and Communities

Science, Education and Cultural Memory for Community Recovery

TSATU contributes to the achievement of SDG 11 through research into spatial development, sustainable land use, civil security, environmental monitoring and tourism. The university collaborates with public authorities, communities and civil society organisations, establishing the scientific and human resources foundation for the reconstruction of war-affected territories. Amid the occupation of Melitopol, TSATU is paying particular attention to preserving cultural heritage and ensuring access to knowledge. In 2025, the university combined digital cultural resources, tourism projects and applied research to support communities and their future recovery.

97 **THOUSAND VISITS** TO THE LIBRARY WEBSITE

19 **THOUSAND DOCUMENTS** IN THE UNIVERSITY REPOSITORY

28 **ITEMS** WERE DISPLAYED AT EXHIBITIONS AND PRESENTATIONS

9 **EVENTS** IN THE FIELD OF CULTURE AND EDUCATION

515 **PARTICIPANTS** OF CULTURAL AND EDUCATIONAL EVENTS

EDUCATION

The TSATU Academic Library provides remote access to educational, academic and cultural resources. The online catalogue contains 115,000 bibliographic records, whilst the digital library holds 12,000 full-text documents. Users also have access to 1,300 e-books from the Centre for Educational Literature, as well as resources from the libraries of ZNU and Zaporizhzhia Polytechnic National University.
These digital resources provide access to knowledge regardless of users' location and offer free access to anyone interested in obtaining up-to-date information.

RESEARCH



TSATU research in the field of SDG 11 covers community spatial planning, sustainable land use, geoinformation technologies, civil security and tourism and recreational development.
The publication 'State Land Cadastre and Land Management Expertise' examines the use of cadastral data for community spatial planning. Studies of land cover changes using satellite imagery and GIS provide the methodological basis for monitoring territories and planning their restoration and adaptation to climate change.
Particular attention is paid to civil security risks in the Zaporizhzhia region, the protection of the population and the resilience of critical infrastructure. These areas have been strengthened within the Civil Security educational programme.

SUCCESS STORY

CULTURAL MEMORY WITHOUT BORDERS: THE DIGITAL PRESERVATION OF MELITOPOL HERITAGE

The occupation of Melitopol has restricted the university community's access to the cultural heritage of their hometown, which is why TSATU is developing digital methods for preserving and promoting it. In 2025, postgraduate student Angelina Pomelova created a video tour entitled 'The History of My City, Melitopol: From Its Origins to the Present Day' and a tourism product called 'GASTRONOMIC-ETHNOGRAPHIC TOUR: THE TASTE OF UKRAINE'. The project took third place at the 3rd International Educational and Practical Olympiad on Tourism. Research by lecturers and postgraduate students has complemented this work by developing local history itineraries and approaches to the preservation of intangible cultural heritage.

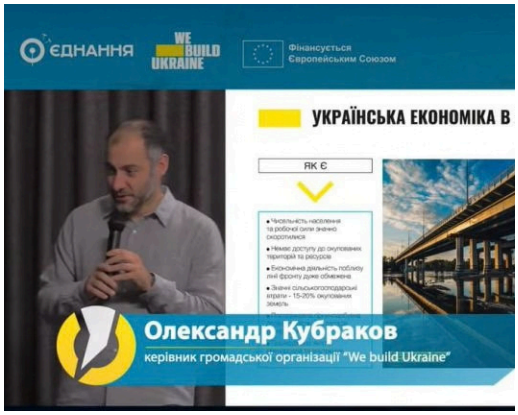
The TSATU Academic Library prepared 28 media presentations and virtual exhibitions, 38 resources marking significant dates, and 64 cultural and educational publications. Nine online events brought together 515 participants. Digital projects, tourism research and the library's activities contribute to the preservation of cultural memory and the use of heritage for the future regeneration of communities.



COOPERATION AND PARTNERSHIPS

In 2025, TSATU had 54 active cooperation agreements with enterprises, organisations and local authorities. The university research and educational expertise spanned geodesy, land management, spatial planning, public administration, civil security and environmental monitoring.

The university's researchers joined the 'Changes HERE' initiative, aimed at strengthening civil society's participation in local governance. Participation in the LANDNET conference and the study of land consolidation practices in the Netherlands contributed to the development of modern approaches to spatial planning, land resource management and territorial regeneration.



POLICIES AND SUPPORT MECHANISMS

The systematic TSATU contribution to the sustainable development of cities and communities is underpinned by strategic priorities, educational programmes, research tools and cooperation agreements. These combine the scientific basis for territorial regeneration, the training of relevant specialists, open access to knowledge and the preservation of communities' cultural memory.

- TSATU Development Strategy for 2023–2030.
- Cooperation agreements with local communities and public authorities.
- Educational programmes in geodesy, land management, tourism, public administration and civil security.
- Geoinformation technologies, satellite monitoring and cadastral data.
- Scientific support for spatial planning and land resource management.
- Institutional repository and digital library.
- Virtual exhibitions and digital cultural and educational materials.
- Research into the tourism and recreational potential of territories.
- Involvement of students and researchers in local development initiatives.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Responsible Consumption and Production

From By-Products to New Resources

TSATU contributes to the achievement of SDG 12 through the development of resource-efficient and low-waste technologies, the reduction of losses in food supply chains, the use of secondary agricultural raw materials, and the integration of circular economy principles into education and scientific research.

In 2025, the university's work covered the entire product life cycle: the rational use of raw materials, reducing losses during storage and processing, reusing by-products in production, assessing the impact of packaging, providing consumers with responsible information, and seeking safe ways to manage waste. Particular attention was paid to agri-food systems, in which processing losses and organic by-products can be transformed into new materials, food ingredients or energy resources.

SUCCESS STORY

A CIRCULAR ECONOMY SOLUTION FOR THE AGRI-FOOD SECTOR: FROM BEET PULP TO A SECONDARY RESOURCE



The processing of sugar beet produces wet pulp, which incurs additional storage and transport costs. An international research group, including TSATU scientists, has developed a hybrid dehydration technology that combines vibration, filtration, electro-osmosis and convective drying.

Experimental results have shown that the dewatering time is reduced by almost half compared to fixed-bed filtration. The technology paves the way for more efficient processing of the pulp and its subsequent use to produce dietary fibre, pectin, animal feed, and energy resources.

The study demonstrates the potential of circular production: transforming a by-product into a secondary raw material, reducing organic waste and creating value-added products.

EDUCATION

TSATU develops students' competencies in responsible production by integrating the principles of resource efficiency, waste reduction and sustainable consumption into its educational programmes. The training covers low-waste technologies, recycling secondary raw materials, food safety, eco-friendly packaging, sustainable marketing, and circular business models.

In January 2025, PhD and Master's students specialising in 'Marketing' took part in an international winter school on sustainable development, where they studied ESG principles, green branding and socially responsible business. The NPD Skills programme helped them master approaches to new product development and regenerative agri-food systems.

The combination of educational programmes, international experience and research into the circular economy equips students with the ability to develop technological and business solutions that take into account environmental impacts and the rational use of resources.

42 **STUDENTS** COMPLETED TRAINING ON SUSTAINABLE CONSUMPTION

18 **PUBLICATIONS** ON THE TOPIC OF SUSTAINABLE PRODUCTION

50 **% OF REDUCTION** IN DEHYDRATION TIMES FOR BEET PULP

1 **PROJECT** ON REDUCING FOOD LOSSES

+7 **STORAGE DAYS** FOR ASPARAGUS DUE TO A NEW TECHNOLOGY

RESEARCH

Research at TSATU in the field of SDG 12 covers the implementation of circular economy principles, resource efficiency and waste reduction. In 2025, researchers investigated the processing of plant biomass, the production of fuel briquettes, the utilisation of organic livestock waste and the use of biogas, treating by-products as resources for re-entry into production.

As part of a national research project for 2025–2027, technologies are being developed for the storage of fruit, vegetables and mushrooms to preserve quality, extend shelf life and reduce food losses. Separate studies focus on the environmental sustainability of packaging, its recycling and labelling, the responsibility of producers and consumers, and the reliability of environmental claims. Researchers have also compared lithium-iron-phosphate and sodium-ion energy storage systems in terms of service life, resource efficiency and recycling potential.

The research findings provide a scientific basis for the rational use of resources, waste reduction and the implementation of circular production models.

COOPERATION AND PARTNERSHIPS

TSATU is developing cooperation with Ukrainian and international partners in the fields of the circular economy, sustainable agri-food systems and waste management. Joining the Global Waste Cleaning Network, taking part in green recovery forums, and participating in international educational programmes facilitate the exchange of expertise and the implementation of resource-efficient approaches.

Research findings are disseminated through academic publications, conferences, public events, and the institutional repository, thereby supporting collaboration among the university, businesses, and communities in the field of responsible production.



POLICIES AND SUPPORT MECHANISMS

TSATU systematic activities in responsible consumption and production are underpinned by the Development Strategy for 2023–2030, research priorities, the integration of circular economy principles into educational programmes, national and international projects, digitalisation and open access to research findings.

The next step is to formulate a unified policy on responsible consumption, procurement, and waste management that will cover the university's structural units, partner premises, contractors, and suppliers.

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13 CLIMATE ACTION

Climate Action

Climate Resilience in Agricultural Regions: from Knowledge to Practical Solutions

Climate change is exacerbating risks to Ukraine's agricultural sector, including drought, water scarcity, soil degradation and yield volatility. In the southern and eastern regions, these challenges are compounded by the effects of the war.
TSATU contributes to achieving SDG 13 through research into climate-resilient agricultural technologies, environmental and satellite monitoring, the development of renewable energy, and the training of specialists for green recovery. In 2025, the main focus was on adapting agricultural production to drought and heat, preserving soil fertility, regenerative agriculture and the rational use of water resources.

8+ **ACTIVITIES** IN CLIMATE ADAPTATION

1 **CONFERENCE** ON ADAPTATION OF AGRICULTURAL PRODUCTION

1 **COURSE** ON REGENERATIVE AGRICULTURE

1 **SUMMER SCHOOL** ON SUSTAINABLE AGRICULTURAL PRACTICES *ECOTWINS*

1 **TRAINING** IN SATELLITE MONITORING

SUCCESS STORY



CLIMATE-RESILIENT AGRICULTURAL PRODUCTION FOR SOUTHERN UKRAINE

Southern Ukraine is experiencing increasingly severe droughts, water shortages, and soil degradation, exacerbated by the war. In 2025, TSATU developed a comprehensive approach to climate adaptation in agricultural production, combining sustainable farming techniques, soil fertility restoration and satellite monitoring of environmental changes.

TSATU researchers took part in an international conference on adapting agricultural production to climate change, where they discussed the use of anti-stress agents, the cultivation of resilient crops and resource-efficient technologies. Postgraduate students and lecturers learnt about regenerative agriculture in a course at Wageningen University & Research and deepened their knowledge of sustainable agriculture at the ECOTWINS international school.
Lecturers and Master's degree students specialising in Ecology also studied the use of satellite data for monitoring air quality and assessing the environmental impacts of the war.
The combination of agricultural technologies, soil restoration, digital monitoring and international expertise forms the basis for the adaptation of agricultural enterprises and communities to climate risks.

EDUCATION

TSATU integrates climate adaptation issues into the training of environmental scientists, agronomists, agricultural engineers, energy specialists, land surveyors and economists. The educational programmes cover regenerative agriculture, soil fertility conservation, resource efficiency, renewable energy, environmental monitoring, and green land restoration.

Training in regenerative agriculture and participation in the ECOTWINS international school have helped students master modern approaches to climate adaptation.

Students specialising in Ecology studied the use of satellite data for environmental monitoring and assessing the ecological consequences of the war.

The combination of climate education, international experience and digital technologies equips specialists with the skills needed for the green transition and the restoration of affected areas.

POLICIES AND SUPPORT MECHANISMS

TSATU activities in the field of climate action are based on strategic, educational, scientific and partnership mechanisms. The existing support mechanisms ensure the integration of climate-related topics into professional training and research; however, they need to be consolidated into a separate institutional framework for climate planning.

- TSATU Development Strategy for 2023–2030.
- Priority areas of scientific research.
- Integration of climate issues into educational programmes.
- International educational and scientific projects.
- Environmental and satellite monitoring.
- Cooperation with communities, research institutions and professional networks.
- Development of energy-efficient and renewable technologies.
- Public reporting on the university's contribution to achieving the SDGs.



COOPERATION AND PARTNERSHIPS

TSATU develops cooperation with Ukrainian and international partners in climate adaptation, sustainable agricultural production, environmental planning and green recovery. Participation in the international ECOTWINS project and training provided by Wageningen University & Research facilitate the exchange of experience, the adoption of regenerative agricultural practices and the implementation of modern approaches to the restoration of agroecosystems.

As part of the EU4Environment programme, lecturers and postgraduate students specialising in Ecology learnt about European approaches to managing Emerald Network sites, assessing the environmental impacts of war and the post-war restoration of natural areas. Participation in the Ukraine Green Recovery Platform forum facilitated professional dialogue on environmental safety, territorial restoration and the integration of green criteria into Ukraine's reconstruction. Collaboration with representatives from the business and education sectors, particularly during the All-Ukrainian conference 'Ukrainian Contour of the Future', broadened the discussion on workforce requirements for the green transition and on training specialists for a climate-resilient economy. International knowledge exchange and engagement with the professional community help to integrate climate-focused approaches into education, research and the development of solutions for the sustainable recovery of territories.

INSTITUTIONAL PRACTICE

Whilst relocating, TSATU is using partner premises and combining face-to-face, blended and distance learning formats. Energy consumption is partly monitored by property managers, which makes it difficult to assess the university's climate impact.

Electronic document management, digital educational resources and online communications reduce the need for travel, printing and physical resources. However, the reduction in CO_2-equivalent emissions in 2025 has not been quantified.

A further area of focus is the introduction of a system for monitoring energy consumption and assessing emissions, utilising the university's research expertise in energy efficiency and climate adaptation.

RESEARCH

TSATU scientific research on SDG 13 aims to improve the resilience of agricultural crops to drought, high temperatures, and other climatic stresses. Researchers are investigating the use of anti-stress and microbiological substances, the selection of promising crops, the optimisation of cultivation techniques and the rational use of water resources.

Particular attention is paid to preserving soil fertility, accumulating organic matter, reducing erosion and increasing water-holding capacity. Regenerative practices are viewed as a means of restoring agroecosystems and achieving long-term climate adaptation.

Research into satellite technologies covers the monitoring of air quality, soil condition and vegetation cover, as well as the assessment of environmental changes and the consequences of war. Remote monitoring is particularly relevant for areas with limited physical access.

The climate research stream is complemented by studies into renewable energy, biogas systems, energy-efficient equipment and the use of agricultural biomass. A further objective is to quantitatively assess the climate impact of these developments in tonnes of CO_2 equivalent, taking into account the life cycle of the technologies.

Publications

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14 LIFE BELOW WATER

Life Below Water

Conservation of Wetland and Coastal Ecosystems in the Azov Region

TSATU has historical ties to the Azov region, where rivers, estuaries, sea inlets and wetlands form an interconnected natural system. In 2025, the university's contribution to SDG 14 focuses on preserving knowledge about the region's ecosystems, documenting the environmental consequences of the occupation, training specialists in environmental monitoring, and providing environmental education.
Given the limited access to the occupied territories, the preservation of scientific data and professional expertise lays the foundation for future assessments of environmental damage and the restoration of ecosystems in the Azov region.

2 **WETLANDS** OF INTERNATIONAL IMPORTANCE

4 **SPECIALISTS** JOINT REPORT ON THE CONSEQUENCES OF THE OCCUPATION

1 **REPORT** AT THE COORDINATION COUNCIL ON LAND CONSERVATION

1 **PUBLICATION** ABOUT PRYAZOVSKYI NATIONAL PARK

1 **LECTURE** ON THE PROTECTION OF WETLANDS

EDUCATION

TSATU equips students with the skills required for environmental monitoring of water bodies, assessing water quality, identifying sources of pollution and protecting coastal ecosystems. Water-related topics are integrated into the training of ecologists, agronomists, land-use planners, agricultural engineers and food technology specialists. Particular attention is paid to the impact of agricultural activities on water bodies, environmental legislation and the restoration of damaged ecosystems.
An educational lecture to mark World Wetlands Day deepened the students' understanding of the protection of natural areas and the conservation of biodiversity. The published textbook *English for Ecology* facilitates the mastery of professional terminology and the use of international environmental sources.

COOPERATION AND PARTNERSHIPS

Despite its relocation, TSATU continues to maintain its scientific expertise and is developing cooperation with the Pryazovskyi National Nature Park, scientific institutions and nature conservation organisations. These joint activities are aimed at documenting the environmental consequences of the occupation, conserving aquatic and coastal ecosystems, and promoting knowledge of nature conservation.



Participation in the Coordination Council on the Conservation of Wetlands facilitated the exchange of expertise with representatives of government bodies, the scientific community and environmental organisations. The publication in the Encyclopaedia of Modern Ukraine contributed to the open dissemination of scientific knowledge about the natural heritage of the Azov region.

SUCCESS STORY

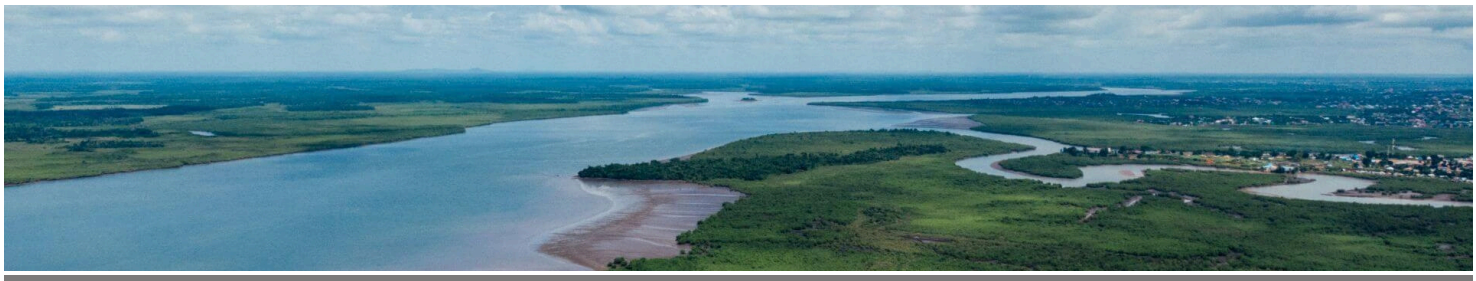
WETLANDS IN THE AZOV REGION UNDER OCCUPATION: PRESERVING EVIDENCE FOR FUTURE RESTORATION

The wetlands of the Azov region are of international conservation importance; they help maintain the water balance and preserve biodiversity. The occupation of these territories has threatened natural ecosystems and significantly restricted the scope for field monitoring.

In February 2025, Oleksandr Antonovskyi, a representative of TSATU, together with specialists from the Azov National Nature Park, presented a report at a meeting of the Co-ordinating Council on the state of the Molochnyi Estuary and Mouth of the Berda River, Berdiansk Bay and Berdiansk Spit wetlands. The report examined the consequences of the occupation, including damage to landscapes, threats to biodiversity, and pollution of water bodies, particularly by oil products, following the tanker accident in the Kerch Strait.

The scientific component was supplemented by an encyclopaedic article entitled 'Pryazovskyi National Nature Park', co-authored by Vitalii Kolomiichuk and Oleksandr Antonovskyi. An educational lecture on wetland conservation was delivered to students. Cooperation between TSATU and the Azov National Nature Park continues in the area of collecting and analysing information on the environmental consequences of the occupation.

The combination of scientific research, documentation of environmental damage and environmental education forms the basis for future assessment of the damage and restoration of the Azov region's ecosystems.



POLICIES AND SUPPORT MECHANISMS

TSATU activities in aquatic ecosystem conservation are underpinned by strategic, educational, scientific and partnership-based mechanisms. The main tools are:

- TSATU Development Strategy for 2023–2030;
- the Ecology educational programme;
- research conducted by the Department of Geoecology and Land Management;
- open scientific and educational resources;
- cooperation with the Pryazovskyi National Nature Park;
- participation in nature conservation councils and professional networks;
- internal practices for waste management and the prevention of water pollution.

RESEARCH

Research carried out by TSATU on SDG 14 covers the aquatic and coastal ecosystems of the Azov region, the condition of wetlands, the quality of surface waters and the impacts of economic activity. The publication of an encyclopaedic article on the Pryazovskyi National Nature Park has contributed to the systematisation and preservation of knowledge about the natural complexes of the temporarily occupied territories.

In collaboration with the Pryazovskyi National Nature Park, the university collects and analyses information on the environmental consequences of the occupation, in particular the pollution of water bodies, damage to landscapes and threats to biodiversity. The data obtained form the basis for assessing environmental damage and planning the future restoration of natural areas. Research into sustainable land use, water treatment, and resource-efficient agricultural production aims to reduce the risk of pollutants entering aquatic ecosystems from land. At the same time, quantitative assessment of the effectiveness of the relevant technologies requires field monitoring.

This research is complemented by the involvement of TSATU specialists in developing the Vision for Integrated Water Resources Management in Kherson Region. The river basin approach combines water resources management, pollution prevention and the conservation of river, estuary and coastal ecosystems.

15 LIFE ON LAND

Life on Land

Healthy Soil as the Foundation of a Sustainable Terrestrial Ecosystem

Soil degradation caused by erosion, pollution and depletion threatens land productivity and biodiversity. Military operations exacerbate these risks through damage to the soil cover, the laying of mines and restrictions on access to nature conservation areas.
In 2025, TSATU focused its activities on the conservation of terrestrial ecosystems, combining research into resource-efficient agricultural technologies, the training of specialists in sustainable land use, the implementation of regenerative practices and the monitoring of biodiversity.

5 **CROPS** WERE TESTED FOR THEIR STABILITY

7 **PUBLICATIONS** ON ECOSYSTEM PROTECTION

2 **AWARDS** FOR SOIL RESEARCH

3 **RESEARCH GROUPS** ON BIODIVERSITY RESEARCH

4 **INSTITUTIONS** OF NATURE RESERVE FUND

EDUCATION

TSATU equips students with competences in sustainable land use, soil conservation, biodiversity and ecosystem restoration. The training of ecologists, agronomists, land surveyors, agricultural engineers and specialists in horticulture and park management covers soil conservation and regenerative practices, anti-erosion measures, land reclamation, the protection of natural habitats and the monitoring of rare and invasive species.
Training in regenerative agriculture and the participation of Master's degree students in the Preserving Soil Fertility competition have contributed to the development of research skills. The educational programme was complemented by awareness-raising activities on responsible treatment of animals and the conservation of wildlife.

COOPERATION AND PARTNERSHIPS

In the context of occupation and war damage, such collaboration helps to preserve institutional memory, expert networks and baseline data on the state of natural ecosystems.
Cooperation with Wageningen University & Research has facilitated the adoption of regenerative approaches to agriculture. Participation in international workshops on the monitoring of species and natural habitats has broadened access to European methodologies and professional networks.

TSATU has maintained long-standing scientific and professional cooperation with nature conservation organisations in southern Ukraine:

- the Pryazovskyi National Nature Park;
- the Azov-Sivash National Nature Park;
- the 'Askania-Nova' Biosphere Reserve;
- the 'Velykyi Luh' National Nature Park.

SUCCESS STORY

CONSERVING SOIL FERTILITY THROUGH SCIENCE AND EDUCATION



The degradation of agricultural land poses a threat to food security, biodiversity and the sustainability of communities. In response, TSATU combines applied research, resource-efficient agricultural technologies and the training of specialists in sustainable land use.

In 2025, the university completed a research project entitled 'Justification of anti-stress measures in resource-saving technologies for the cultivation of cereals, pulses and oilseeds in the steppe zone of Ukraine'. The study covered five agricultural crops: winter wheat, spring barley, peas, soya and sunflowers. The results obtained are aimed at increasing plant resilience to adverse conditions and the rational use of land resources.

The practical application of scientific approaches is supported by the teaching guidelines for the 'Comprehensive Coursework on Land Management'. Students learn how to assess land conditions, design soil-conservation crop rotations and afforestation schemes, conserve degraded land, and plan restoration measures.

This international experience was complemented by training in regenerative agriculture from Wageningen University & Research. Master's students Anastasiia Vikhliaeva and Anastasia Serheieva contributed to the research, winning a second-place certificate in the 'Soil Fertility Conservation' competition for their study of potato productivity under drip irrigation conditions.

This combination of scientific research, practical training and international experience forms the basis for preserving soil fertility and restoring degraded land.

POLICIES AND SUPPORT MECHANISMS

TSATU systematic work in terrestrial ecosystem conservation is supported by scientific, educational, environmental protection and management mechanisms. Their further integration should ensure a transition from individual outcomes to a quantitative assessment of impact.

- TSATU Development Strategy for 2023–2030.
- Biodiversity Monitoring Programme No. 0121U110190.
- Applied research into resource-efficient agricultural technologies.
- Educational programmes in Ecology, Agronomy and Geodesy and Land Management.
- Campus Impact Policy.
- Principles for the use of native species and the prevention of invasive species.
- Partnerships with nature conservation organisations.

INSTITUTIONAL PRACTICE

TSATU is implementing biodiversity conservation approaches that include using native species in landscaping, limiting the spread of invasive plants, and supporting local pollinators, birds, and soil organisms.

As the university has been relocated, it utilises partner premises and sites in Zaporizhzhia; consequently, its nature conservation practices need to be adapted to each location. Future work will involve surveying green spaces and plant species composition, identifying invasive species, monitoring pesticide use and implementing measures to support local fauna.

Systematising this data will enable the effectiveness of environmental protection measures to be assessed and allow for the planning of further biodiversity conservation.

RESEARCH

TSATU scientific research on SDG 15 covers the conservation of biodiversity, the monitoring of rare species, the protection of natural habitats and soil restoration. This area of research is underpinned by the programme 'Current State of Geo-ecological Conditions and Biodiversity in the North-Western Azov Region' (No. 0121U110190), which involves studying species composition, population dynamics and ecological changes. In the current occupation, preserving archived observations and scientific data is particularly important for future ecosystem restoration.

In 2025, the university specialists took part in training sessions on monitoring brown bears and Eurasian lynxes, as well as an international seminar on implementing the EU Birds and Habitats Directives. Participation in a webinar on assessing the environmental impact of wind farms helped participants to master approaches for taking biodiversity risks into account during the development of energy infrastructure.

Research into soils and agroecosystems aims to combine crop productivity with the conservation of natural resources. Scientists are studying resource-efficient technologies, erosion-control measures, rational irrigation, soil-conserving crop rotations and protective plantings.

The combination of biodiversity monitoring, European nature conservation approaches and soil-conserving technologies forms the scientific basis for the conservation and restoration of terrestrial ecosystems.



Main outcomes

- Research has been carried out on the resilience of agricultural crops to adverse factors and stressful conditions.
- Resource-saving technologies for the cultivation of cereals, pulses and oilseeds have been developed.
- Research into sustainable land use, biodiversity conservation and the protection of Ukraine's natural environment has been intensified.
- The application of resource- and energy-saving technologies in the agro-industrial sector has been substantiated.
- Approaches to improving the efficiency of natural resource use and adapting agricultural production to environmental challenges have been investigated.

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16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Peace, Justice and Strong Institutions

Openness, Integrity and Participation in Decision-Making

TSATU contributes to the achievement of SDG 16 through open university governance, academic integrity, the protection of rights and civic participation.
Amidst the war and relocation, the university maintains the functioning of its collegial bodies, student self-governance and feedback mechanisms, prioritising student participation in decision-making, an anti-corruption culture and engagement with civil society. Strong institutions are built through transparent procedures, genuine participation by the university community and accountability for decisions taken.
TSATU combines internal mechanisms for integrity and collegial governance with legal education, and cooperation with state institutions and civil society.

50 **MEMBERS**
TSATU ACADEMIC COUNCIL

13 **STUDENTS**
IN FACULTY COUNCILS

26 **AGREEMENTS**
INTERACTION WITH INSTITUTIONS

6 **EXPERTS**
INTERACTION WITH PUBLIC AUTHORITIES

13 **CONFERENCES**
PLATFORMS FOR DIALOGUES

EDUCATION

TSATU fosters in its students civic competencies, respect for human rights, academic integrity and an understanding of democratic procedures.
In 2025, as part of Integrity Week, a series of lectures and themed events were held on academic responsibility and the prevention of corruption. Students took part in a nationwide competition on integrity and anti-corruption, whilst members of the Logos club explored these issues.
Particular attention was paid to human rights and civic participation. The Student Council organised an interactive space to mark Human Rights Day, whilst participation in the Right to Act project helped to foster an understanding of the mechanisms for protecting rights and the role of young people in social processes.
Inter-university lectures, work within the Co-ordinating Council at the Zaporizhzhia Regional State Administration, and meetings with representatives of the Cultural Assault initiative fostered an understanding of national unity, national identity and civic resilience.

COOPERATION AND PARTNERSHIPS

TSATU develops cooperation with state institutions, youth organisations, voluntary initiatives and civil society. In 2025, university students and staff participated in the All-Ukrainian Student Round Table on Cooperation between the State and Civil Society in Times of War and Military Reconstruction, the Change HERE project, the Forum of Youth Councils in Frontline Regions, and the Political Platform–2025 forum.
A representative of TSATU joined the Council of Volunteers and Benefactors in the Volyn Regional State Administration. Youth events focused on youth participation in decision-making, interaction with public authorities and development of local communities.
A researcher from TSATU conducted a training session on the ethics of business communication for staff at the regional service centre of the Ministry of Internal Affairs.
This collaboration combines civic engagement, youth representation and the dissemination of the university expertise in professional ethics.

POLICIES AND SUPPORT MECHANISMS

The institutional stability of TSATU is underpinned by an interlinked set of rules and mechanisms that define standards of conduct, ensure the participation of the university community and provide opportunities to defend rights and put forward proposals.

- Academic integrity — assessment principles, accountability and appeals.
- Preventing plagiarism — text checks and responding to breaches.
- Anti-corruption mechanisms — the programme, risk assessment and reporting channels.
- Student self-governance — student representation in decision-making.
- Student ombudsman — protection of students' rights and interests.
- Discussions and surveys — suggestions and evaluation of university processes.
- Collegial governance — joint consideration and decision-making.

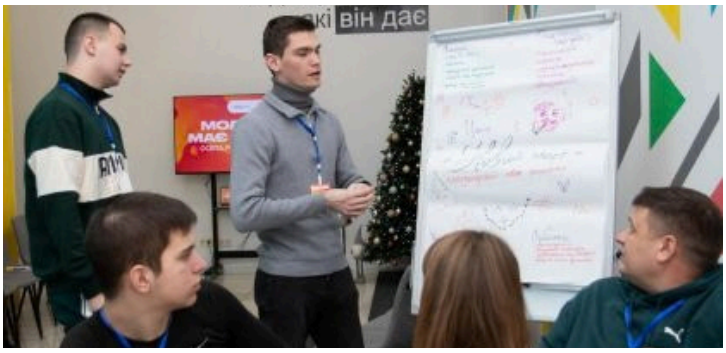
SUCCESS STORY

FROM A STUDENT'S VOICE TO A ROLE IN SHAPING POLICY

Amidst the restrictions on movement and remote interaction, TSATU has maintained mechanisms for student participation in university governance. The 'Student Dialogue' series of meetings has served as a platform for discussing the work of student self-government, participation in councils and issues affecting the student community. The competences of student leaders were developed through the School of Student Self-Governance Bodies, the 8th Congress of the Ukrainian Student League and the 21st General Assembly of the Ukrainian Students' Association. In 2025, the student council leadership at four faculties was renewed, and the TSATU Student Council adopted a new structure and areas of focus.

At the same time, student representation at TSATU extends beyond the university and is involved in shaping regional and national youth policy. For instance, in 2025, representatives of TSATU joined a dialogue with the Ministry of Education and Science, discussed the Youth of Ukraine Programme for 2026–2030, and helped establish the Youth Council under the Zaporizhzhia Regional State Administration. A representative of the student self-government was included in the Council attached to the Ministry of Education and Science, and the chair of the TSATU Student Council was elected head of the education and science division of the Zaporizhzhia Regional Student Council.





RESEARCH

TSATU research on SDG 16 covers institutional autonomy, public governance, academic accountability, civic participation, and the foundations of post-war reconstruction.

The international scientific and practical conference 'Foresight on Ukraine's Development' brought together discussions on public administration, economic transformation, institutional capacity and the reconstruction of Ukraine. Further development of this area involves the preparation of practical recommendations for public authorities, communities and educational institutions.

INSTITUTIONAL PRACTICE

TSATU contribution to SDG 16 is supported by mechanisms for collegial governance, student representation, internal quality assurance and feedback.

Online stakeholder surveys help to evaluate the educational process. The student ombudsman safeguards students' interests, whilst public consultations give stakeholders the opportunity to participate in decision-making.

The anti-corruption system encompasses the programme, risk assessment, the work of the designated officer and reporting channels.

17 PARTNERSHIPS FOR THE GOALS

Partnerships for the Goals

From a Partner Network to Shared Results

For TSATU, partnership is a key mechanism for institutional sustainability, the development of education and research and the attraction of resources. The university collaborates with higher education institutions, international organisations, donors, government authorities, civic associations, professional networks and businesses.
In 2025, partnerships were focused on achieving tangible outcomes, including international educational programs, academic mobility, joint research, grant-funded projects, laboratories, equipment and training courses. Their effectiveness was measured by jointly created outputs, resources secured, and practical improvements in educational and research activities.

40 **PARTNERS**
INTERNATIONAL PARTNERS

8 **INITIATIVES**
LAUNCHED IN PARTNERSHIP WITH PARTNERS

42 **STUDENTS**
COMPLETED TRAINING ON SUSTAINABLE DEVELOPMENT

17 **STUDENTS**
COMPLETED INTERNSHIPS IN EIGHT COUNTRIES

58 **LECTURERS**
COMPLETED INTERNATIONAL TRAINEESHIPS

EDUCATION

TSATU educational contribution to SDG 17 encompasses international educational programmes, academic mobility, international internships and the professional development of academic staff.
In 2025, 37 master's and doctoral students participated in the International Winter School on Sustainable Development and ESG, while five doctoral students took part in a programme on Sustainable Development and ESG for Business. Within the framework of the LearnSave project, cooperation with the Swedish University of Agricultural Sciences contributed to advancing digital pedagogy, integrating artificial intelligence, and adapting courses to meet the needs of students with special educational needs. Overall, 58 academic staff members completed international traineeships through nine professional development programmes. The international experience of students was further enhanced through international internships undertaken by 17 students in eight countries and mobility opportunities at partner universities in Spain and Poland.

POLICIES AND SUPPORT MECHANISMS

The development of partnerships is supported by a comprehensive set of institutional mechanisms that facilitate the planning of international activities, the implementation of projects, academic mobility, and the public dissemination of results.

- International partnerships - the foundation for joint educational and research initiatives.
- Partner registry - the university's international cooperation network.
- Dual degree programmes – coordinated educational pathways with partner universities.
- Academic mobility and internships - international educational and professional experience.
- International traineeships - professional development of academic and administrative staff.
- Project portfolio - the university's international initiatives and collaborative activities.
- Annual report - the outcomes and achievements of international engagement.
- Public sustainability report - transparency and accountability regarding sustainability-related results.

SUCCESS STORY

PARTNERSHIPS CREATING INTERNATIONAL EDUCATIONAL PATHWAYS

The agreement between TSATU and the University of Occupational Safety Management in Katowice delivered a tangible educational outcome in 2025: eight students from five academic disciplines enrolled in the dual-degree programme in Strategic Enterprise Management and obtained dual degrees. The programme combined studies at TSATU with educational components offered by the Polish university, engagement in an international academic environment and the development of professional competences. By aligning educational pathways, the partnership agreement was transformed into a practical mechanism for the internationalisation of education.

From signing an agreement to achieving measurable results, cooperation with international partners creates the foundation for student academic mobility, the mutual recognition of learning outcomes and the development of joint educational programmes.

COOPERATION AND PARTNERSHIPS

In 2025, TSATU implemented or launched eight international and donor-funded initiatives aimed at advancing digital education, entrepreneurship, infrastructure development, inclusion and professional training.

- HEI-TRAIN – fostering entrepreneurship, the application of artificial intelligence and the establishment of a Freelance School.
- SAFE LEARN – promoting safe and inclusive e-learning environments.
- LearnSave – enhancing academic staff capacity and advancing digital education.
- DigiTech – establishing a digital laboratory and equipping it with a 3D printer.
- AddiTech – creating a laboratory for additive manufacturing technologies.
- ROAD2EU – advancing European Studies and developing a roadmap for the integration of European approaches into higher education.
- World Bank and Ministry of Education and Science of Ukraine Project – providing equipment to strengthen the university's educational infrastructure.
- Career Counsellor Training for Veterans – delivering training and certification for programme participants.



RESEARCH

In 2025, the university researchers published 13 articles in Scopus-indexed journals covering topics such as agrivoltaics, digital transformation, sustainable marketing, the circular economy, public governance and territorial recovery.

TSATU researchers were actively engaged in international collaborative frameworks, including Horizon Europe, the Food and Agriculture Organisation of the United Nations (FAO), LANDNET and the Dutch Water Authorities. Professor A. Popov contributed to the development of an FAO e-learning course on land consolidation and land banking, presented Ukrainian experience through the LANDNET platform and participated in a water management partnership with the Netherlands. Professor V. Kidalov continued his research activities under the Horizon Europe Marie Skłodowska-Curie Actions (MSCA) programme.

International partnerships enable TSATU to engage with global research networks and facilitate the exchange of expertise, data, and research outcomes, thereby strengthening the university's contribution to international scientific cooperation.

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Methodology for Report Preparation

The TSATU Sustainability and Impact Report 2025 serves as the university's principal public institutional report, providing a comprehensive overview of its environmental, social and governance impacts, and its contribution to advancing all 17 United Nations Sustainable Development Goals. The report structure has been developed in alignment with the methodological approaches of the THE Sustainability Impact Ratings and QS Sustainability Rankings applicable at the time of reporting.

Reporting Period and Scope of Coverage

The primary reporting period for this report is the 2025 calendar year. For indicators related to educational activities, data from the 2025-2026 academic year may be used where relevant; such cases are explicitly identified in the text or alongside the corresponding indicator. Events and decisions made after the end of the reporting period are not presented as outcomes of 2025.
The report covers activities for which TSATU has institutional responsibility and documented involvement. Due to the university's relocation, TSATU no longer has operational control over its physical infrastructure. Consequently, data on energy consumption, water use, waste management, transportation and greenhouse gas emissions are reported only within the scope of the available and verified operational boundary.

Methodological Framework

The preparation of this report was guided by the following frameworks and principles:

- The United Nations Sustainable Development Goals;
- The criteria of the THE Impact Rankings;
- The current indicators and methodology of the QS Sustainability Rankings;
- TSATU strategic and regulatory documents;
- The principles of evidence-based reporting, transparency, materiality, consistency, comparability and data traceability.

The report is structured around three overarching dimensions: environmental impact, social impact and good governance. These dimensions provide the summary-level framework, while the sections dedicated to the 17 SDGs present detailed evidence of specific contributions and outcomes.
Materials related to each SDG were analysed across four areas: education, research, community engagement and partnerships, and policies and practices. The report includes only those activities and results that clearly connect to the respective SDG and are supported by available documentary evidence.

Data Sources and Evidence Base

The following sources of information were used in the preparation of this report:

- official university statistics and internal registers;
- decisions of collegial governing bodies;
- regulations, policies, programmes, and administrative orders;
- data provided by university departments and structural units;
- educational programmes and course syllabi;
- research activity and project reports;
- publications and researcher profiles in bibliometric databases;
- materials from conferences, courses, training programmes, and partnership events;
- official university webpages and news publications;
- documents and evidence provided by partner organisations.

The public evidence base is established through direct references to documents, webpages, programmes, materials, outputs, results and primary sources. Information is considered valid evidence when it includes the purpose of the activity, target audience, number and geographical distribution of participants, partners involved, outputs produced, results achieved, demonstrated impact, responsible university unit and references to supporting primary materials.

Data Verification and Consolidation

Primary data are provided by the university's structural units. During the consolidation process, the following aspects are verified: the reporting period, completeness of information, logical consistency, calculation methodology, unit of measurement, data source, availability of public evidence, and the absence of unjustified double counting. This report represents an institutional self-assessment and does not replace financial, statistical, environmental, or other mandatory reporting. The Ukrainian and English versions of the report have been harmonised.

Future Development Priorities

The results achieved in 2025 confirm that sustainable development at TSATU is advanced through the integration of education, research, governance and partnerships. The university's most substantial contributions relate to preparing professionals for sustainable recovery and reconstruction, conducting applied research for the agricultural and engineering sectors, promoting equitable access to education and the well-being of the university community, sharing knowledge with external audiences, strengthening partnerships and maintaining institutional resilience in the context of war and relocation.

The next step for the university is to institutionalise an annual sustainability reporting cycle based on:

- a unified register of verified data and evidence;
- a reporting calendar for data collection;
- harmonised calculation methodologies;
- clearly assigned indicator owners and responsibilities;
- regular updating of public information pages;
- systematic analysis of international assessment results;
- integration of reporting findings into the operational plans of university departments and units.

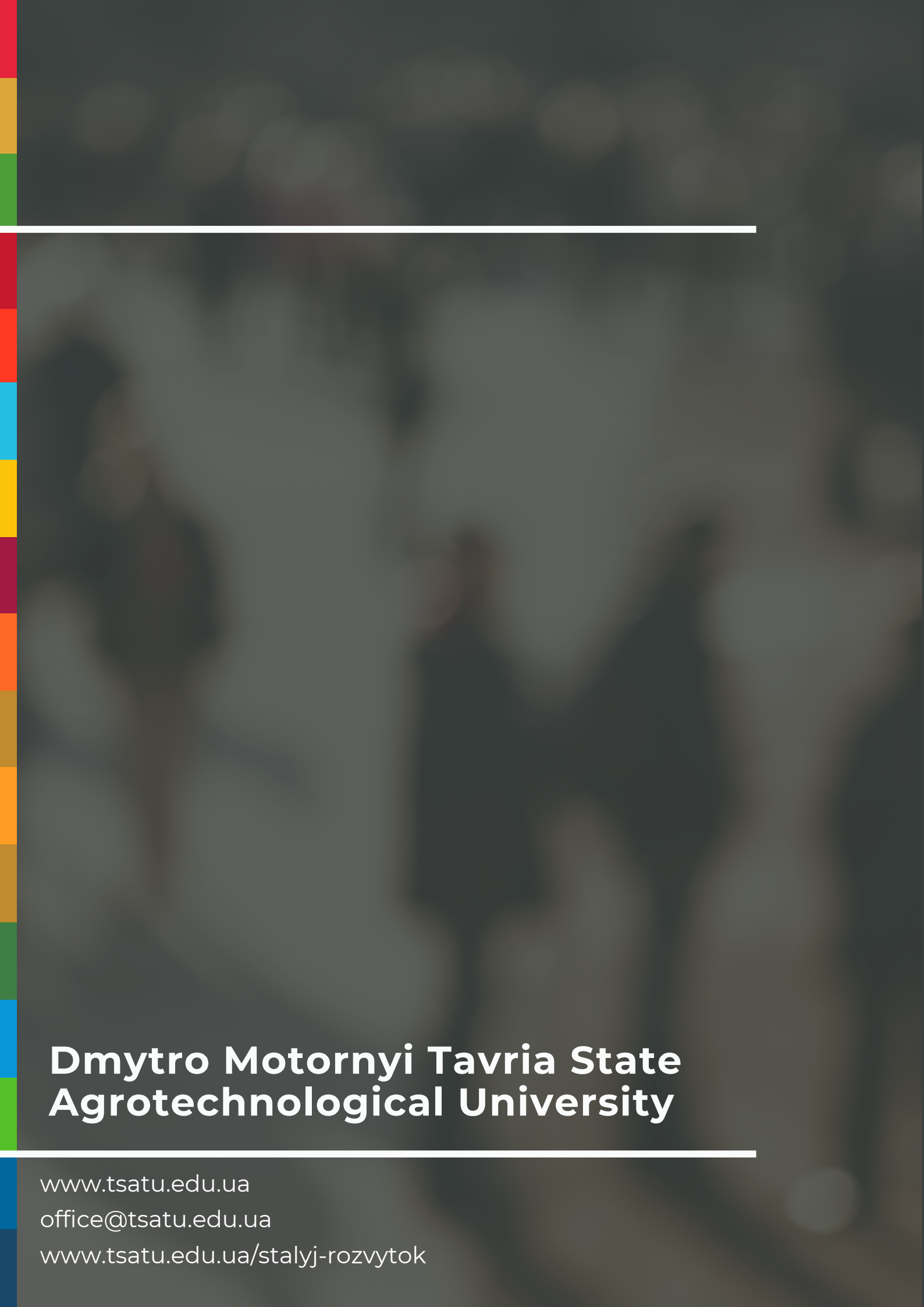
Particular attention should be given to the mapping and inventory of educational components and research activities against the SDGs, the development of a system for assessing societal impact and the gradual expansion of operational environmental indicators.

A key priority remains enhancing the effectiveness of initiatives and strengthening their evidence base by ensuring a clear connection among each activity, the identified need, target audience, expected outcome, performance indicator and subsequent actions. In the area of partnership development, priority should be given to creating joint products, solutions, educational programmes, research projects and tangible improvements that generate value for individuals and communities.

International rankings are regarded as a tool for external evaluation rather than an end in themselves. To strengthen its position in international assessments, TSATU is committed to ensuring that its reporting is grounded in actual performance, verified data, impactful research, high-quality education, responsible governance and openness to partnership. This approach is consistent with the university's international positioning as an agricultural technology university that has maintained its capacity under crisis conditions and continues to generate expertise for the recovery and reconstruction of frontline regions and Ukraine as a whole.

Looking ahead, reporting on the Sustainable Development Goals and the university's broader impact is expected to become an integral instrument of institutional learning and governance. Annual comparison of results, transparent communication of achievements and gaps, stakeholder engagement and the consistent implementation of identified priorities will enable TSATU to strengthen its societal impact, enhance international credibility and expand its capacity to contribute to a sustainable future for the recovery of Melitopol, Zaporizhzhia region, and Ukraine.

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