

Sustainability Report D. Serikbayev EKTU

The University's Contribution to Achieving the UN Sustainable Development Goals – 2025

East Kazakhstan Technical University. Founded in 1958.



One of the Leading Technical Universities in Kazakhstan

Non-profit Joint-Stock Company "D. Serikbayev EKTU" trains specialists for the industrial, innovative, and scientific-technological development of the country. Founded in 1958, the university offers bachelor's, master's, and doctoral programs, fosters international cooperation, and integrates sustainable development principles into all areas of its activities.

6,760

students

1,217

staff members

Mission

To train highly qualified specialists, generate advanced scientific knowledge, and create innovative solutions for the sustainable socio-economic development of Kazakhstan.

Key Indicators 2025

Educational programs	98
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Research projects	43
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International partners	25
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Collaborating countries	10+
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Partner Countries

Japan, Germany, South Korea, Poland, Russia, USA, Australia, India, France, China

University Vision and Values

Vision

EKTU strives to become an international-level research university, ensuring leadership in engineering education, science, and innovation, as well as a recognized center of competence in sustainable development in Central Asia.



Academic Excellence

High quality of education and scientific research.



Innovation

Development of new knowledge, technologies, and entrepreneurial initiatives.



Responsibility

Awareness of the impact of decisions on society, the economy, and the environment.



Openness and Partnership

Cooperation with the government, business, and academia.



Sustainable Development

A balance of educational, scientific, social, and environmental activities.

EKTU's Contribution to Achieving the UN Sustainable Development Goals

EKTU supports the implementation of the UN 2030 Agenda. The university makes its most significant contribution to achieving the following 10 Sustainable Development Goals:

SDG 4

Quality
Education

SDG 5

Gender
Equality

SDG 6

Clean Water
and Sanitation

SDG 7

Affordable and
Clean Energy

SDG 8

Decent Work
and Economic
Growth

SDG 9

Industry,
Innovation, and
Infrastructure

SDG 11

Sustainable
Cities and
Communities

SDG 12

Responsible
Consumption
and Production

SDG 13

Climate Action

SDG 17

Partnerships
for the Goals

Five Strategic Focus Areas for 2025

In 2025, EKTU integrated Environmental, Social, and Governance (ESG) principles into all key processes: education, science, infrastructure, public relations, and international cooperation.



1. Quality Education

Program modernization, digital technologies, academic mobility, and SDG integration.

2. Science and Innovation

Applied research, commercialization, international projects, and support for young scientists.

3. Sustainable Campus

Energy efficiency, green infrastructure, waste management, and environmental management.

4. Social Responsibility

Support for students and staff, inclusivity, gender equality, and volunteering.

5. Partnership and Cooperation

International projects and interaction with enterprises and government agencies.

Integration of ESG Principles into Management



Environmental

- Implementation of environmental initiatives and projects
- Improving resource efficiency
- Developing environmental education
- Supporting research in climate and environmental management



Social

- Ensuring the quality of education
- Developing human capital
- Creating a safe and inclusive environment
- Supporting students and staff



Governance

- Improving corporate governance
- Developing internal control systems
- Ensuring operational transparency
- Maintaining academic integrity and anti-corruption policies

Three-Level Sustainability Management System



Strategic Level

Board of Directors and Management Board

Approval of strategic documents, monitoring of target indicators, and performance evaluation



Managerial Level

Sustainable Development Office and Specialized Departments

Coordination of sustainable development policy. Encompasses academic policy, science, international cooperation, and digitalization



Operational Level

Faculties, Research Teams, Student Organizations

Direct practical implementation of sustainable development goals on the ground

Sustainable Development Office and Stakeholders



Sustainable Development Office

Opened in 2025, it serves as the coordination center for implementing the UN SDGs and ESG policy.

- Coordinating the implementation of the UN SDGs.
- Monitoring sustainable development indicators.
- Preparing analytics and reporting.
- Interacting with rating agencies.
- Supporting participation in international rankings.
- Developing environmental and social initiatives.

Key Stakeholders

Students	Quality education, employment
Staff	Stable working conditions, professional development
Employers	Qualified specialists
Government Agencies	National development priorities
Partners	Joint projects and research
Local Community	Social responsibility

Risk Management and Academic Integrity

1. Strategic

Changes in labor market requirements, demographic shifts, competition

2. Financial

Limited funding, inflation, income structure

3. Academic

Decline in the quality of training, program competitiveness

4. Environmental

Increased resource consumption, climate change, legislation

5. Reputational

Positions in rankings, academic integrity, transparency

Academic Integrity and Zero Tolerance for Corruption

- Information awareness campaigns and training seminars.
- Anti-corruption monitoring of activities.
- Consultations for students and staff.
- Strict compliance with the Code of Academic Integrity.

SDG 4 and SDG 5: Education and Gender Equality

SDG 4 (Quality Education)

Inclusive and equitable quality education for all

- Improving educational programs.
- Implementing digital learning technologies.
- Developing academic mobility.
- Integrating sustainable development issues into the educational process.

SDG 5 (Gender Equality)

Empowering women and girls

- Supporting women's participation in scientific activities.
- Developing youth leadership competencies.
- Ensuring equal access to educational opportunities.
- Preventing discrimination.

SDG 6 and SDG 7: Water and Energy

SDG 6 (Clean Water and Sanitation)

Rational use of water resources

- Modernizing engineering infrastructure.
- Monitoring resource consumption.
- Conducting environmental education events.
- Advancing scientific research in hydrology and water resources.

SDG 7 (Affordable and Clean Energy)

Access to reliable and sustainable energy sources

- Conducting renewable energy research.
- Promoting energy efficiency and energy saving.
- Researching the decarbonization of the economy.
- Training specialists for a low-carbon economy.

SDG 8 and SDG 9: Employment and Industrialization

SDG 8 (Decent Work and Economic Growth)

Sustainable economic growth and productive employment

- Dual education programs.
- Industrial internships.
- Career events and job fairs.
- Meetings with employers.

SDG 9 (Industry, Innovation, and Infrastructure)

Resilient infrastructure and fostering innovation

- Research: metallurgy, new materials.
- Digital technologies and industrial automation.
- Construction and environmental safety.
- Commercialization of scientific developments.

International Accreditation and Academic Mobility

6

educational programs
have received international
accreditation

Academic Mobility

- An EKTU lecturer was selected for the Erasmus+ KA171 program.
- Students were awarded DAAD "Eastern Partnerships" scholarships.
- The university joined the "Orkhun" academic exchange program.
- New mobility tracks established with universities in China and Europe.

Dual Education: continued partnership with Kazzinc LLP, completed the first year of dual education with the Allur automobile plant, hosted dozens of career meetings and industry forums.

6

Accredited
Programs

25+

Conferences and
Forums

20+

Career Events

4+

Erasmus+ Projects

Priority Areas and New Scientific Infrastructure

Priority Research Areas

- Metallurgy and next-generation materials.
- Rare-earth and critical metals.
- Digital technologies and artificial intelligence.
- Environmental safety.
- Climate change and natural risks.
- Water resources and water management.
- Nuclear energy.
- Sustainable construction and infrastructure.



Grant Funding 2025–2027

Secured funding for priority areas of Kazakhstan's scientific and technological development, including Digital Social Research, avalanche activity monitoring, and nuclear energy projects.

New Scientific Centers in 2025

PROFCOAT

Protective and functional coatings (materials and technologies for industry)

Smart Driving Technology

Engineering center for intelligent transport and digital mechanical engineering

"Altai" Technopark

A regional innovation ecosystem uniting science, business, and the state

International Scientific Cooperation and Interaction with Business

Key Scientific Partners

Kazzinc	KAZ Minerals	Allur
BI Group	Huawei	Tau-Ken Samruk

The "University-Science-Business" Model: Supports the commercialization of research and the training of personnel for high-tech industries.

Cooperation in 2025: Kazakhstan International Research Conference, European Raw Materials Week, negotiations with TUBAF (Germany), and participation in the Horizon Europe program.

2025 Results

New scientific centers	2
International scientific events	25+
International research projects	10+
Scientific conferences hosted by EKTU	15+
Industrial project partners	20+

Environmental Sustainability: A Leader in the UI GreenMetric Ranking

N°1

in Kazakhstan in the UI
GreenMetric ranking

Top 150

most sustainable
universities in the world

*Winner in the "Green
University" nomination at
the "Taza Qazaqstan"
festival.*

Systematic Work Across Key Areas:

- Campus infrastructure management
- Waste management
- Environmental education
- Transport policy
- Sustainable development research.

Additional Achievements:

Opened

the Sustainable
Development Office

Participated

in World Cleanup
Day

Implemented

the CirculEC
project

Environmental Education, Waste Management, and Volunteering Campaigns



Environmental Education

- "Green University" international seminar.
- "Youth in Climate Policy" roundtable.
- "50 Shades of Green" Olympiad for schoolchildren.



Waste Management

- Plastic bottle collection competitions.
- Annual plastic recycling program.
- Waste paper collection campaigns.



Volunteering Campaigns

- "Taza Qazaqstan" national initiative.
- World Cleanup Day 2025.
- World Environment Day.

EKTU's environmental activities have made a direct contribution to achieving SDG 6, SDG 11, SDG 12, and SDG 13

Support for Students, Health, and Inclusivity

Student and Youth Support

- Adaptation training for first-year students.
- Student Assemblies Forum.
- EduWeek EKTU 2025 academic week.
- AI-SANA project and EKTU DEMO DAY forum.
- "100 Best Students – Crystals of the Future" competition.

All 10

EKTU student projects reached the finals of the Kazzinc LLP competition

Health and Inclusivity

- Prevention of gaming addiction and financial crimes.
- Cybersecurity development.
- Donor Day.
- Fire-tactical drills and occupational safety.
- Roundtable on building an inclusive educational environment.

Gender Equality:

Participation in the regional commission on women's affairs, the QyzAI Women's Initiatives Forum, and the promotion of family values.

Volunteering, Lifelong Learning, and Year-End Results

Volunteering and Charity



Support for the "Nash Dom" (Our Home) shelter within the "Taza Qazaqstan" framework.



"Let's Get a Child Ready for School" campaign.



"Give a Child Time" campaign



"Silver University"

The third season of the project, designed to improve the quality of life for senior citizens through new knowledge and skills, successfully concluded in June 2025.

Results of Social Activities in 2025

Youth forums	15+
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Career events	20+
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Volunteering campaigns	10+
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Financial literacy events	15+
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Healthy lifestyle and well-being events	20+
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Global Partnership: Hosted over 40 events in 2025

Hungary

Memorandum with Obuda University (focusing on mobility and research).

France

Visit of the French Ambassador and discussions on academic cooperation.

China

Visit of the PRC Ambassador, events in Tianjin, and a delegation visit to Xi'an.

Germany

The II Kazakh-German Week and expanded cooperation with TUBAF.

Indonesia

Opening of a new avenue for international cooperation.

Pakistan

Delegation visit to the country's leading universities.

Educational Programs and International Rankings

Academic Exchange Programs

Erasmus+	Information days, selection for the KA171 program, new mobility opportunities.
DAAD	Scholarship holders of the "Eastern Partnership" program.
Orhun Exchange	Inclusion in the Turkic world exchange program.
Bolashaq	International program scholarship holders.

40+

Events and forums

10+

International projects

International Rankings 2025-2026

QS Sustainability	Entered the <i>QS World University Rankings: Sustainability 2026</i> .
QS Asia	Featured in the <i>QS World University Rankings: Asia 2026</i> .
THE Impact Rankings	Ranked 3rd among universities in Kazakhstan.
UI GreenMetric	Top 150 globally, No. 1 in Kazakhstan.

10+

New agreements

15+

Collaborating countries

Gender Balance in Management Bodies

EKTU adheres to the principles of gender equality and ensures equal opportunities for the participation of women and men in management and decision-making processes.

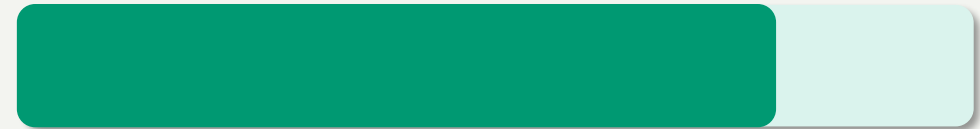
Board of Directors



50%
women

Women: 3 • Men: 3
6 members in total

Heads of Departments



76,9 %
women

Women: 10 • Men: 3
13 members in total

Quality of Education, Academic Integrity, and Anti-Corruption



Quality of Education

- 6 programs received international accreditation.
- External expert evaluations of programs.
- Continuous monitoring of the educational process.



Academic Integrity

- "Adal bilim – adal urpaq" (Honest Education – Honest Generation) forum.
- "Hours of Integrity".
- Informational and explanatory campaigns.



Anti-Corruption Policy

- "Clean Session" campaign.
- Anti-corruption summer camp.
- Meetings with the compliance officer.

Governance activities have contributed to achieving SDG 4, SDG 16, and SDG 17

EKTU – The Center for Sustainable Development in East Kazakhstan



No. 1

in Kazakhstan according
to UI GreenMetric



6

internationally
accredited programs



40+

international events
hosted



2

new scientific centers
opened



10+

new international
agreements signed



50%

women on the Board
of Directors

The development of research infrastructure, the expansion of international partnerships, and the systematic integration of ESG principles have enabled the university to make a substantial contribution to achieving the UN Sustainable Development Goals.

53rd in the world

Мероприятия в 2025-2026 учебном году
Activities in the 2025-2026 academic year

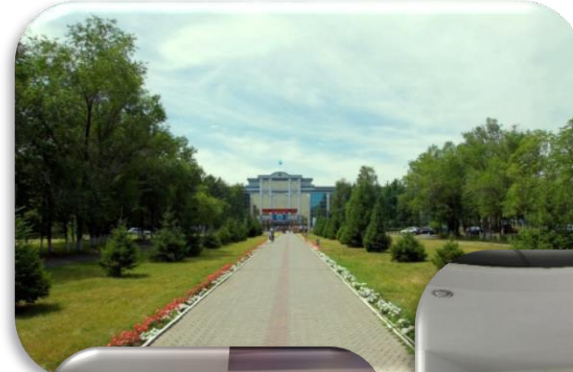
Озеленение и ландшафтный дизайн
Landscaping and landscape design

Ремонт зданий и сооружений
Repair of buildings and structures

Забота о здоровье и безопасности
Health and safety concerns

Зоны отдыха и спортивные сооружения
Recreation areas and sports facilities

Доступность для населения
Accessibility to the public



Energy and Climate Change 66th in the world

Мероприятия в 2025-2026 учебном году Activities in the 2025-2026 academic year

Увеличение числа энергоэффективных приборов
Increase energy efficient devices

Развитие проекта «Смарт Кампус»
Expansion of the Smart Campus project

Участие в конференциях и семинарах
Participation in conferences and seminars

Обучение студентов и сотрудников
Training of students and teachers

Расширение "зеленого" строительства
Increasing green construction



The efficiency introduced by the use of smart appliances in the buildings is about 40-50% resources and energy savings, reducing the carbon footprint from all types of sources.

Waste treatment 505th in the world

Мероприятия в 2025-2026 учебном году
Activities in the 2025-2026 academic year

Сокращение образования отходов
Reducing waste generation

Переработка отходов на месте
Striving for on-site waste recycling

Стартапы по технологиям переработки
Recycling technology startups

Обучение студентов и сотрудников
Training of students and teachers

Раздельный сбор отходов
Separate waste collection



Water recycling & conservation 602nd in the world

Мероприятия в 2025-2026 учебном году
Activities in the 2025-2026 academic year

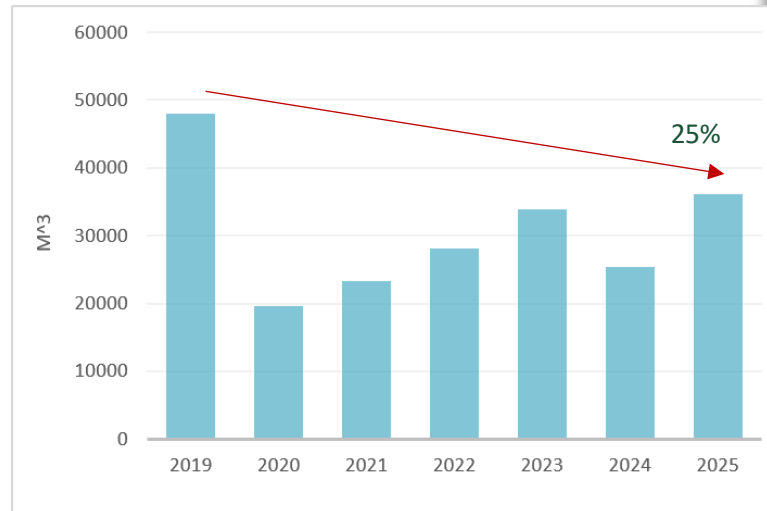
Установка водосберегающих приборов
Installation of water-saving devices

Повторное использование воды
Reuse of water

Защита водных источников
Protection of water sources

Мониторинг водных источников
Monitoring of water sources

Обучение студентов и сотрудников
Training of students and teachers



Transport initiatives 208th in the world

Мероприятия в 2025-2026 учебном году
Activities in the 2025-2026 academic year

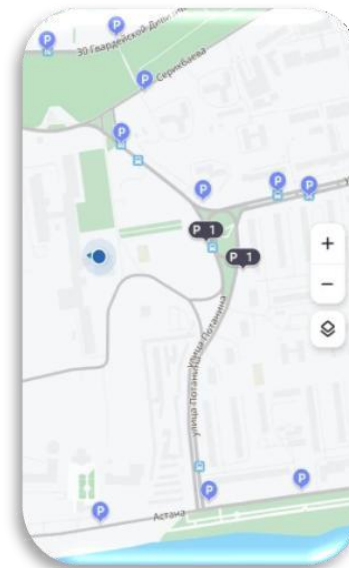
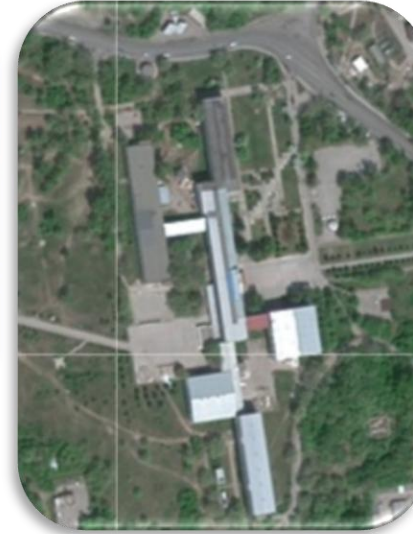
Сокращение парковок
Reduction of parking

Открытие мастерской Лубань
Opening of the Luban workshop

Комфортные пешеходные зоны
Comfortable pedestrian zones

Развитие электротранспорта
Development of electric transport

Инфраструктура для людей с ограниченными возможностями
Infrastructure for people with disabilities



Мероприятия в 2025-2026 учебном году
Activities in the 2025-2026 academic year

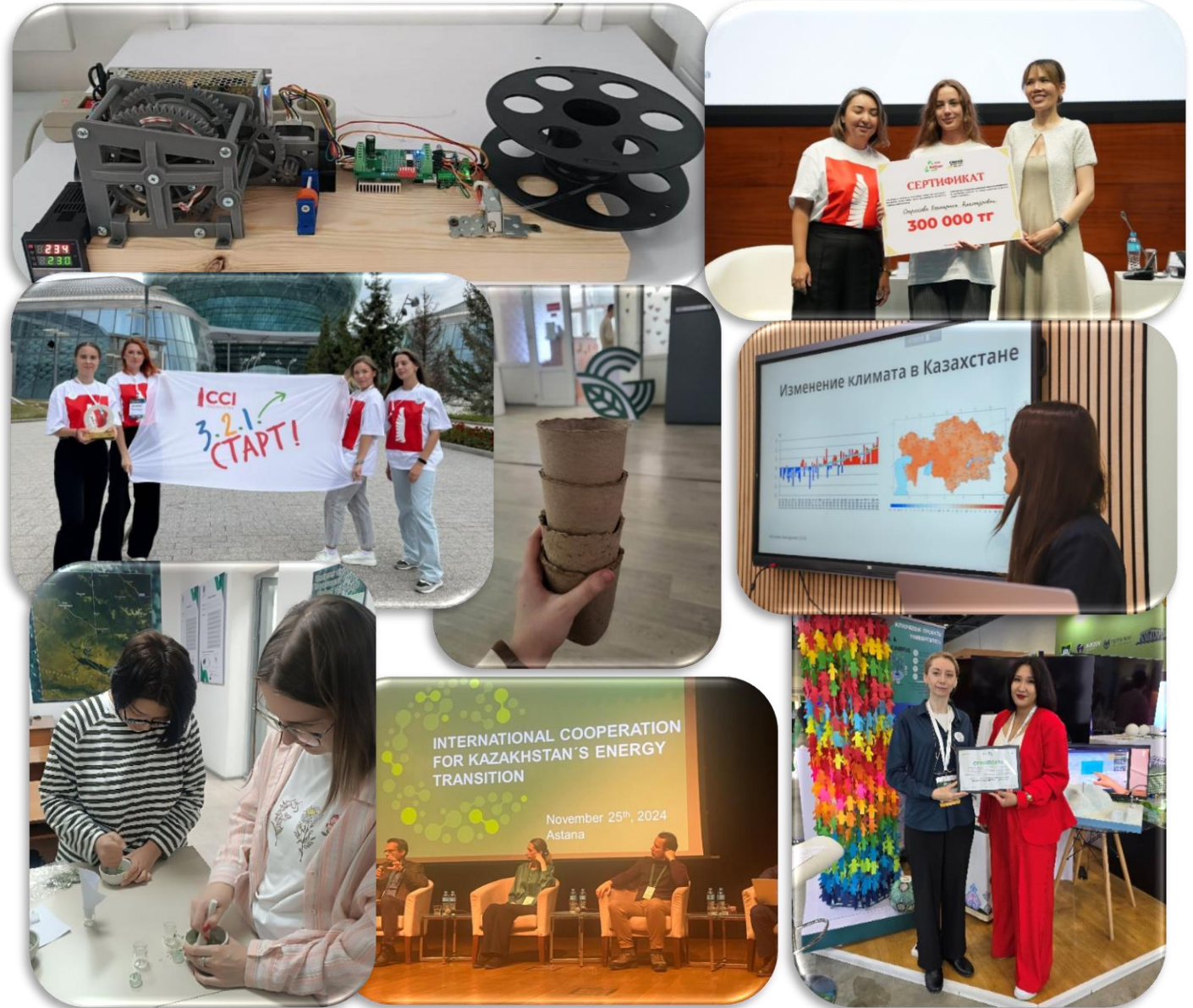
Новые учебные курсы по устойчивости
New sustainability training courses

Исследования по устойчивости
Scientific research in the field of sustainable development

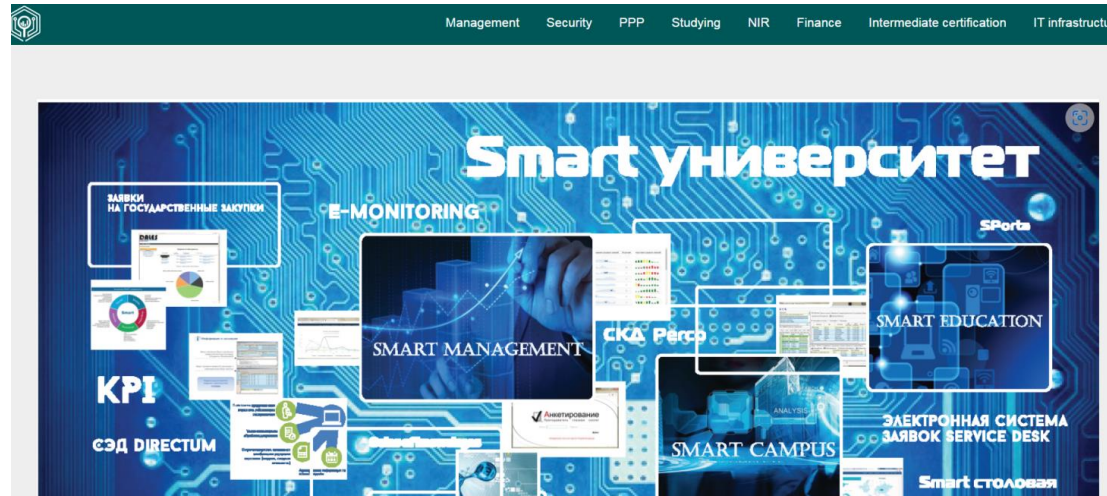
Семинары, тренинги, конкурсы
Seminars, trainings, contests

Студенческие экологические клубы
Student environmental clubs

Студенческие стартапы по устойчивости
Student Startups on Sustainability



Governance and Digitalization



Мероприятия в 2025-2026 учебном году Activities in the 2025-2026 academic year

Organization of forums and conferences on digital transformation in education and public administration.

Implementation of digital technologies and automation of university management processes.

Organization of seminars, workshops, and training sessions on digital competencies, artificial intelligence, data analytics, and modern IT solutions.

Development of cooperation with government agencies and IT companies in the fields of digitalization, innovative management, and workforce training.

Implementation of projects and educational initiatives in the areas of the digital economy.

Ratio of Female Leaders

$$= \frac{90}{149} \times 100 = 60.4\%$$

