



«APPROVED»

NJSC «Korkyt Ata Kyzylorda University»
Member of the Board - Vice-rector for strategic
development and IT


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ACTION PLAN
for the Implementation of the Sustainable Development Policy
Institute of Natural Sciences – 2026

№	Activity	Timeline	Responsible	Expected Output
1	2	3	4	5
1. Organizational and Methodological Support in the Context of Sustainable Development				
1.1	Establishment of a «Green Office»	January– December 2026	Turekeldieva R.T., academic staff of the educational program «Biology, Geography and Chemistry»	Office established; social media posts
1.2	Conducting awareness-raising activities to widely promote the Sustainable Development Goals (SDGs) among university staff and students	January- December 2026	Sh.N. Kuatbekov, academic staff of the educational program “Physical Education and Initial Military Training”	Meeting minutes; social media posts

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1.3	Analysis and development of activities aligned with QS ranking indicators	January, 2026	Sh.N. Kuatbekov	Analytical report
1.4	Establishment of a working group on sustainable development for 2026 and approval of its regulations	January, 2026	Turekeldieva R.T., Kainbayeva L.S., Tileubai S.Sh.	Approved work plan; protocol
1.5	Development and integration of methodological approaches within educational programs for incorporating the Sustainable Development Goals (SDGs) into natural science disciplines	February, 2026	Methodological Council of the Institute of Natural Sciences	Minutes of the methodological seminar
1.6	Development of methodological guidelines for integrating the Sustainable Development Goals (SDGs) into Informatics and ICT courses	February, 2026	Methodological Council, teaching staff of the EP «Informatics and ICT»	Minutes of the methodological seminar
1.7	Development of course modules “Natural Sciences and Sustainable Development” (Biology, Geography, Chemistry)	March–June 2026	Teaching staff of the EP «Biology, geography and chemistry»	EP protocol
1.8	Development of course modules «Natural Sciences and Sustainable Development» (Mathematics, Physics)	March–June 2026	Teaching staff of the EP «Physics and Mathematics»	EP protocol
1.9	Development of course modules «Informatics and Sustainable Development»: digital ecology, energy efficiency, and e-waste management	March–June 2026	EP «Informatics and ICT»	EP protocol
1.10	Development of an internal regulatory document within the environmental education framework of the educational program («Code of Environmental Culture»)	April, 2026	EP «Biology, Geography and Chemistry»	Approved code
1.11	Development of an internal regulatory document within the academic and educational framework of the educational program («Code of Mathematical and Physical Culture»)	April, 2026	EP «Physics and Mathematics»	Approved code
1.12	Development of teaching and methodological packages for courses aimed at implementing sustainable development principles (laboratory, field, and practical work)	Throughout 2026	EP «Biology, Geography and Chemistry»	Methodological materials
1.13	Development of teaching and methodological packages for courses aimed at implementing sustainable development principles (laboratory and practical work)	Throughout 2026	EP «Physics and Mathematics»	Methodological materials

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1.14	<p>Activities aimed at promoting a healthy lifestyle, physical education, and sports among academic staff, university employees, and student youth:</p> <p>A) Conducting outreach and awareness activities to encourage student participation in sports clubs («Join a sports club and improve yourself!»).</p> <p>B) Organization of a «Health Day» to promote mass sports among academic staff and university employees.</p> <p>C) Provision of sports facilities and equipment for students residing in university dormitories to support effective leisure and physical activity.</p> <p>D) Organization and implementation of sports competitions among youth organizations and dormitory residents under the slogan «Always be strong and healthy!».</p> <p>E) Promotion of sports activities as a preventive measure against dependence on psychoactive substances, including drugs and alcohol.</p> <p>F) Implementation of the WHO Framework Convention on Tobacco Control.</p> <p>G) Fostering patriotism and civic responsibility among youth through physical education and sports.</p> <p>H) Encouraging youth to fulfill their civic duty to the country through engagement in physical education and sports.</p>	Throughout 2026	Teaching staff of the section «Physical education»	Reports; social media posts
2. Enhancement of competencies in sustainable development				
2.1	Professional development course for academic staff: «Methodology of SDG Integration in Natural Science Education»	March, 2026	Methodologist, Turekeldieva R.T., Kainbayeva L.S., Tileubai S.Sh.	Certificates
2.2	Professional development course for academic staff: «Development of Professional Competencies of Physical Education Teachers»	March, 2026	Methodologist, Sh.N. Kuatbekov	Certificates
2.3	Republican Subject Olympiad among students of higher education institutions of the Republic of Kazakhstan within the group of educational programs «B011 – Training of Informatics Teachers»	April, 2026	Tileubai S.Sh., EP «Informatics and ICT»	Protocol, diplomas, social media posts

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2.4	Conducting an interactive training session «Environmental Competencies» for students of Biology, Geography, and Chemistry programs	May 2026	EP «Biology, Geography and Chemistry»	Training report, social media posts
2.5	Conducting an interactive training session «Research Culture and Technosphere Safety» for students of Physics and Mathematics programs	May 2026	EP «Physics and Mathematics»	Training report, social media posts
2.6	Conducting an interactive training session «Sport and Health: Development of Mass Sports» for students of Physical Education and Initial Military Training programs	May 2026	EP «Physical Culture and IMT»	Training report, social media posts
2.7	Organization of professional development courses and training sessions for academic staff and students on information technologies and digital ecology, taking into account the principles of sustainable development	May 2026	EP «Informatics and ICT»	Action plan, certificates
2.8	Seminar-training «Green Research Culture» for students and master's students	October 2026	Turekeldieva R.T., «Biology, Geography and Chemistry»; Kainbayeva L.S., «Physics and Mathematics»; Tileubai S.Sh. «Informatics and ICT» EP	Materials of the seminar, certificates, social media posts
2.9	Seminar-training «Competition of Active and Creatively Engaged Supporters» for student youth	October 2026	Sh.N. Kuatbekov, «EP «Physical Culture and IMT»	Materials of the seminar, certificates
2.10	Organization of a practical school for developing field and laboratory research skills	June–July 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry»	Practice report
2.11	Organization of a practical school for developing laboratory research skills	June–July 2026	Kainbayeva L.S., EP «Physics and Mathematics»	Practice report
3. Adherence to sustainable development principles in accordance with ESG approaches				
3.1. Environment				
3.1.1	Conducting monitoring in the field of physical education (air quality, water quality, and conditions for outdoor activities)	April–September, 2026	Sh.N. Kuatbekov, «EP «Physical Culture and IMT»	Monitoring reports

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3.1.2	Assessment of campus biodiversity and development of an ecological map (flora, fauna, green areas)	May–November 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry»	Biodiversity report
3.1.3	Assessment of the safety of the university campus physical infrastructure (lighting systems, electrical networks, laboratory equipment)	May–November 2026	Kainbayeva L.S., EP «Physics and Mathematics»	Technical audit report
3.1.4	Organization of health-focused volunteer activities on campus («Healthy Lifestyle Initiative», «Active Walking»)	April 2026	Sh.N. Kuatbekov, «EP «Physical Culture and IMT»	Photo and video reports
3.1.5	Development of GIS-based maps of climate risks within the field of Geography	Throughout 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry»	Digital map
3.1.6	Development of a campus load and pedestrian movement safety map based on mathematical modeling (crowd flow analysis)	Throughout 2026	Kainbayeva L.S., EP «Physics and Mathematics»	Analytical materials
3.1.7	Conducting environmental monitoring in a chemical laboratory (air, water, and soil quality)	April–September 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry»	Acts of analysis
3.1.8	Conducting technical safety monitoring in physics laboratories (equipment in electricity, mechanics, optics, and thermodynamics)	April–September 2026	Kainbayeva L.S., EP «Physics and Mathematics»	Monitoring reports
3.1.9	Implementation of a system for the safe use of chemical reagents and waste management in accordance with the «Green Laboratory» principles	Throughout 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry»	Act of introduction
3.1.10	Organization of environmental volunteer activities on campus («Clean Campus», «Tree Planting Day»)	April 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry»; Kainbayeva L.S., EP «Physics and Mathematics»; Tileubai S.Sh. «Informatics and ICT» EP, student organizations	Photo / video report, social media posts

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3.2. Social Aspects				
3.2.1	Educational outreach program for school students «Natural Sciences and a Sustainable Future»	April–october 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry»; Kainbayeva L.S., EP «Physics and Mathematics»	Program report
3.2.2	Conducting career guidance and outreach activities in schools of the city and region	February–March 2026	Tileubai S.Sh. «Informatics and ICT» EP	Photo / video report, social media posts
3.2.3	Provision of psychological support to students and staff of the educational programs	April–October 2026	Sh.N. Kuatbekov, «EP «Physical Culture and IMT»	Program report
3.2.4	Promotion of the principles of digital ethics and academic integrity among students and academic staff.	September 2026	EP «Informatics and ICT», advisors	Photo / video report
3.2.5	Information session on mass health promotion activities for students of the educational programs	September 2026	Educational specialist at the Institute	Protocol
3.2.6	Information session on environmental culture and safety for students of the educational programs	September 2026	Educational specialist at the Institute	Protocol
3.2.7	Information session «Research Integrity and Laboratory Safety» for students of the educational programs	September 2026	Educational specialist at the Institute	Protocol
3.2.8	Student Research Project Competition «EcoScience–2026»	November 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry»	Meeting minutes, certificates (diplomas), and Social media posts
3.2.9	Student Research Project Competition «STEM Innovation–2026»	November 2026	Kainbayeva L.S., EP «Physics and Mathematics»	Meeting minutes, certificates (diplomas), and social media posts
3.2.10	Organization of activities on social responsibility for academic staff and students of the educational programs	Throughout 2026	Sh.N. Kuatbekov, «EP «Physical Culture and IMT», student council	Project report
3.2.11	Social Responsibility Project: «Environmentally Responsible Student»	Throughout 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry», student council	Project report
4. Enhancing transparency in non-financial information disclosure				
4.2	Preparation of the annual ESG report of the educational programs and its publication on the university's official website	December 2026	Turekeldieva R.T., Kainbayeva L.S., Tileubai S.Sh.	Published report

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4.3	Development of an open data repository covering laboratory, field, and environmental research results	Throughout 2026	Turekeldieva R.T., EP «Biology, Geography and Chemistry»	Electronic database
4.4	Establishment of an open data repository for laboratory, computational, and modeling results	Throughout 2026	Kainbayeva L.S., EP «Physics and Mathematics»	Electronic database
4.5	Publication of an information bulletin on the research results of students and academic staff	March-October 2026	EP: «Biology, Geography and Chemistry», «Physics and Mathematics», «Physical Culture and IMT»	Bulletin
5. Building the university's image as an institution promoting ESG principles				
5.1	Organization of a university-wide exhibition «Natural Sciences and Sustainable Development»	May 2026	Turekeldieva R.T., Kainbayeva L.S.	Exhibition; social media publications
5.1	Embedding ESG components into educational programs.	January-February 2026	Tileubai S.Sh., EP «Informatics and ICT»	Act of introduction
5.2	Publication of research results of the educational programs in mass media and social networks	Throughout 2026	PR- coordinator	Social media posts, articles
5.2	Encouraging students and academic staff to participate in environmental projects.	Throughout 2026	University – EP «Informatics and ICT»	Certificate, participation record
5.3	Participation in national and international initiatives «Green University» and «Eco Campus»	Throughout 2026	University – EP «Biology, Geography and Chemistry»	Certificate, participation record
5.3	Participation in national and international initiatives «STEM University» and «Digital Campus»	Throughout 2026	University – EP «Physics and Mathematics»	Certificate, participation record
5.3	Publication of materials highlighting the research and achievements of the educational programs in line with ESG principles.	Throughout 2026	PR- coordinator	Social media posts, articles
5.4	Media support for research projects of the educational programs aimed at strengthening the university's green brand	Throughout 2026	PR Department, EP: «Biology, Geography and Chemistry», «Physical Culture and IMT»	Media content package
5.4	Media support for research projects of the educational programs aimed at strengthening the university's STEM and digital education brand	Throughout 2026	PR Department, EP «Physics and Mathematics»	Media content package

Director of the Institute:



G.B. Toktaganova