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**YOUTH ORGANIZATION CONCEPT
FOR ENVIRONMENTAL SUSTAINABILITY
NON-COMMERCIAL JOINT STOCK COMPANY
"AL-FARABI KAZAKH NATIONAL UNIVERSITY"**

Global Context

The world today is home to a record number of young people, with some 1.8 billion children and adolescents aged 10 to 24. About 90 percent of them live in developing countries. Between 2015 and 2030 the growth of the young population of the Earth is expected. Given the growing interconnectedness, youth can become a driving force in socio-political and social development. In addition, youth can play an important role in achieving the Sustainable Development Goals.

With the skills and capabilities needed to reach their potential, young people can become a driving force in supporting development and promoting peace and security. Youth organizations should be fully supported to translate the 2030 Agenda into policies at the local, national and regional levels. They play an important role in the implementation, monitoring and review of the Agenda and in holding governments to account. With political commitment and adequate resources, young people can help transform our world.

Introduction

Sustainable development today is no longer just a relevant concept, but a necessity for the whole world and for our country. The involvement of young people in the implementation of sustainable development goals has long been actively taking place abroad. We note that in our country there are enthusiastic, enterprising young people who realize the importance of this agenda and invest huge efforts.

The SDGs are the result of a three-year transparent, participatory process that takes into account the views of all stakeholders and people. They represent an unprecedented consensus among 193 Member States on

sustainable development priorities and have been supported by civil society, business, parliamentarians and others around the world. The decision to start the process of developing a set of SDGs was taken by the Member States of the United Nations at the United Nations Conference on Sustainable Development (Rio+20) held in Rio de Janeiro in June 2012. KazNU them. Al-Farabi actively participated in international consultations on the action program for the UN global forum RIO + 20, where he co-initiated a separate panel on education for sustainable development with the participation of universities in Asia, Europe and Latin America. KazNU them. Al-Farabi was one of the first to sign the RIO+20 Universities Declaration on promoting sustainable development.

The task of the university is to educate Kazakhstanis of a new formation - competitive, enterprising, enterprising, able to independently make decisions and bear responsibility for them, ready for positive transformations of the social environment and able to not only live in a civil society and the rule of law, but also participate in their creation.

The concept of the youth organization is focused on the active participation of young people in the process aimed at ensuring the socio-economic, political, cultural and spiritual development of young people in the field of sustainable development.

Analysis of the current situation

Results achieved

1) The "Strategy for achieving carbon neutrality and sustainable development of NJSC "Al-Farabi Kazakh National University" until 2035 has been developed.

2) A "Climate Change Policy" has been developed.

3) Active work is underway to create the author's concept of "ECO Office" <https://greenoffice.kaznu.kz/>, based on the developed original criteria, including measures for energy and resource saving, reduction and environmentally friendly waste management.

Also, the following activities were carried out by the UNESCO Chair for Sustainable Development:

1) On November 4, 2022, a working meeting was held between representatives of the "UNESCO Sustainable Development" Department of KazNU named after al-Farabi, represented by the head of the department Tursynkul Bazarbayeva and Associate Professor of this department Aigul Kozhakhhan with the Adviser of the Permanent Mission of the Republic of

Kazakhstan to UNESCO Rysbek Alibekov in Paris (France). During the meeting, the parties discussed issues of expanding cooperation between the university and UNESCO within the framework of the UNITWIN program.

2) On November 3-4, 2022, with the support of the French National Commission for UNESCO, the UNESCO Headquarters (Paris) hosted an anniversary international UNESCO conference dedicated to the 30th anniversary of the UNITWIN Program / UNESCO Chair, on the theme "Transformation of knowledge for an equitable and sustainable future".

The geography of the international conference was very extensive, the conference participants were representatives from 117 countries of the world, representing UNESCO centers and chairs, advisers of permanent missions to UNESCO.

Al-Farabi Kazakh National University was represented by the head of the UNESCO Chair for Sustainable Development T.A. Bazarbayeva and associate professor of this department A.K. Kozhakhhan. The theme of the two-day event was "Knowledge Transformation for a Just and Sustainable Future", based on the spirit of scientific, moral, intellectual and academic solidarity. The achievements of the UNITWIN Program as a network of UNESCO Chairs were discussed. The departments have proven useful in creating new teaching initiatives, generating innovation through research, and contributing to the enrichment of existing university programs while promoting cultural diversity.

UNESCO Chairs and members of the UNITWIN network are centers of excellence and innovation at the regional or sub-regional levels.

Within the framework of the Plenary session, parallel sessions, seminars and meetings, the possibilities of cooperation were discussed to unite the efforts of departments in the implementation of the tasks of transforming education systems for a qualitative change in all human consciousness in order to prevent a global environmental catastrophe, overcome racial prejudices, discrimination, poverty and other disasters, within the framework of implementation of sustainable development goals.

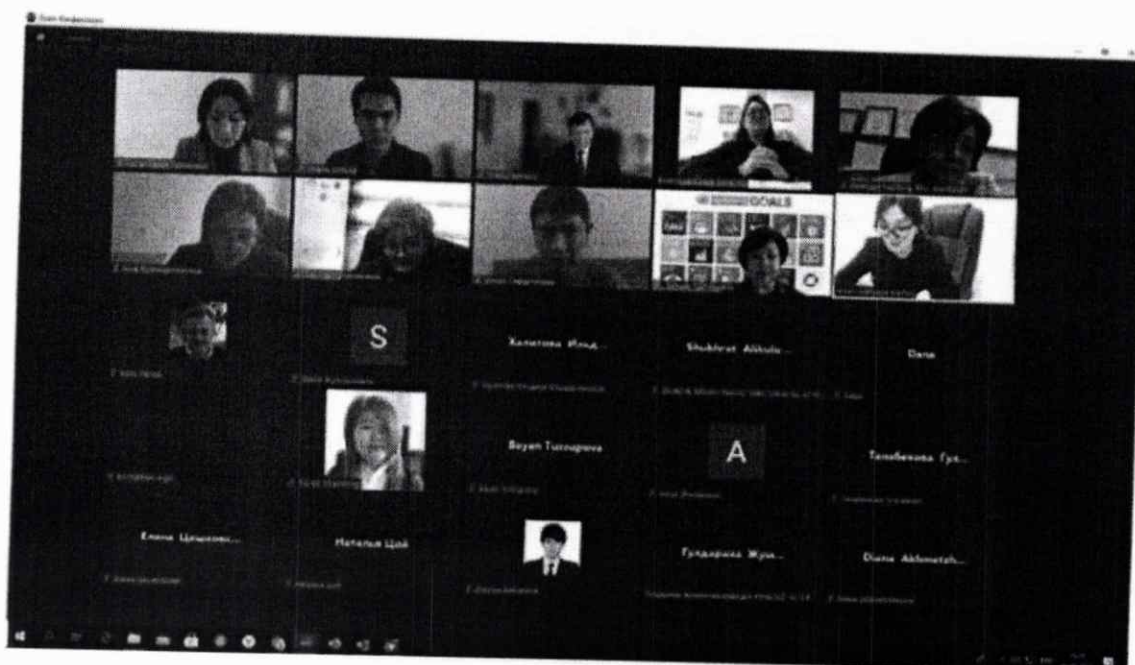
3) Leadership lecture on the topic: "Requirements for the design of machine parts and their consideration in order to ensure SDG 9. Infrastructure development, innovation" for teachers, doctoral students and undergraduates of Al-Farabi KazNU was conducted by a professor of the Department of Mechanical Engineering and Machine Parts of the University of Chemical Technology and Metallurgy , as well as the Faculty of Fire Safety and Population Protection of the Academy of the Ministry of Internal Affairs Dimitar Karaivanov (Bulgaria, Sofia).

Organizer of the leadership lecture: Candidate of Technical Sciences, Associate Professor of the UNESCO Chair in Sustainable Development A.K. Kozhakhhan.

In June 1992, the United Nations Conference on Environment and Development in Rio de Janeiro adopted the concept of "sustainable development" and the ambitious program "Agenda 21". This program addresses common issues that will ensure sustainable development in the future.

SDG - 2030 is a comprehensive set of goals and indicators until 2030 aimed at: 1) improving the quality of life of citizens, 2) the socio-economic development of states, 3) environmental sustainability. The SDG consists of 17 goals to be achieved by 2030, as well as 169 targets and 242 indicators associated with them.

Kazakh National University named after Al-Farabi, the UNESCO Chair in Sustainable Development are working on several of the issues mentioned above. In order to prepare highly qualified specialists for the development of their education, demand, versatility, leadership lectures are always organized with the invitation of prominent personalities from our country and foreign colleagues. One of them is Professor of the Department of Mechanical Engineering and Machine Parts of the University of Chemical Technology and Metallurgy in Sofia, Bulgaria, Faculty of Fire Safety and Population Protection of the Academy of the Ministry of Internal Affairs Dimitar Karaivanov "requirements for the design of machine elements and their consideration in order to ensure SDG 9. Infrastructure development, innovation" . This lecture addressed the issues of improving infrastructure and resource efficiency with the participation of all countries in accordance with individual capabilities by 2030, mentioned in SDG 9, and the sustainable retrofitting of enterprises through increased use of clean and environmentally friendly technologies and industrial process .



5) On February 21, 2023, the II International Winter School began its work at the Al-Farabi Kazakh National University in a hybrid format as part of the International Mother Language Day proclaimed by UNESCO.

The winter school will be attended by Kazakhstani media representatives, PR specialists, teachers and students, as well as students, undergraduates and doctoral students from Kyrgyzstan, Uzbekistan, Afghanistan and Yemen. As part of the event, lectures and practical classes will be held by teachers of KazNU. Al-Farabi, as well as master classes by representatives of international organizations and well-known PR specialists.

6) March 16, 2023, under the auspices of the UNESCO Chair in Sustainable Development, a leadership lecture was held on the topic: "Water supply networks: calibration and chlorination. SDG 6 - Clean Water and Sanitation. The speaker of this lecture was Dr. Osman Nuri Ozdemir, Professor of Hydraulics and Water Resources Engineering, Department of Civil Engineering, Gazi University, (Ankara, Turkey).

Professor Osman Özdemir graduated in 1986 from the Faculty of Civil Engineering of the Middle East Technical University (METU) in Ankara. After graduation, he joined a team of river basin modeling scientists using US HEC programs at the University of Trondheim (NTH) in Norway. Also in 1994-1995. he was a Research Fellow at the University of Cincinnati and conducted tests on the degradation of chlorine in water supply pipes at the Environmental Protection Agency (EPA) Laboratories in Cincinnati (USA). For 25 years Prof. Özdemir has been teaching disciplines in water resources

and fluid mechanics at Gazi University. The professor's research spectrum includes a wide range of issues and problems in the field of water resources - from water supply systems to the problems of transboundary rivers.

Providing the population with clean drinking water is one of the main goals of the UN in the field of sustainable development. The problem of providing environmentally friendly drinking water is also acute in our republic and occupies a priority place in the state development programs of the Republic of Kazakhstan.

The purpose of this event was an opportunity to familiarize young researchers, scientists and teachers with advanced technologies in the field of purification and preparation of drinking water for its further supply to the water supply systems of settlements. During this lecture, the impact of transit time and water temperature on the decomposition of chlorine in water pipes, as well as the impact of chlorination of drinking water on public health was discussed. In addition, some issues of environmental engineering were raised and discussed.

The participants of this lecture were undergraduates, doctoral students and teachers of the Faculty of Geography and Environmental Management of KazNU. al-Farabi. During a lively discussion, after the end of the lecture, the participants of the event asked many questions to the speaker, to which they received exhaustive answers. As a result of the event, students and teachers gained invaluable experience in communicating with a foreign researcher, and the faculty established international relations with the prospects of participating in joint scientific projects.

7) The UNESCO Chair for Sustainable Development, Al-Farabi Kazakh National University, within the framework of World Water Day, organized an international round table on the topic: SDG 6 "Environmental regulation and control in the field of water supply and sanitation". The purpose of the event is to discuss issues of water supply, assessment of the quality of water resources and sanitation.

Since 1993, World Water Day has been celebrated annually on March 22. It was created to attract public attention to the state of water bodies, rational water consumption and safe water supply, as well as the implementation of the 6th Sustainable Development Goal until 2030. In 2023, this Day is dedicated to the theme of accelerating change to address the water and sanitation crisis and achieve Sustainable Development Goal 6 (SDG 6 Clean Water and Sanitation) in a timely manner.

As part of this event, specialists from the Department of Ecology and Environment of the city of Almaty, the water industry of Kazakhstan - the

Balkash-Alakol Basin Inspectorate for the regulation of the use and protection of water resources, RSE "Kazhydromet", as well as a professor of the Faculty of Engineering at Gazi University (Ankara, Turkey) took part.).

At the international round table, foreign and Kazakhstani water industry experts, the speaker's participants, acquainted with the current government measures, scientific works on environmental regulation and control in the field of water supply and sanitation, shared their experience with students and teachers and about ongoing activities.

Organizers: 1st-year undergraduates of the specialties "Ecology", "Geoecology and environmental management" (Kazakh department), Teachers of the UNESCO Chair in Sustainable Development: L. S. Kurbanova, B. Kh. Tusupova, K. K. Khamitova, E. ABOUT. Doszhanov.

8) On April 4, 2023, a meeting of the National Commission of the Republic of Kazakhstan for UNESCO and ISESCO was held at the UN Office in Almaty with the participation of the State Counselor of the Republic of Kazakhstan Karin E.T.

At the thematic meeting on the evaluation of the implementation of the UNESCO Medium-Term Strategy in Kazakhstan, the reports of the Secretary-General of the National Commission Baysabayeva A, and the Director of the Department of Multilateral Cooperation of the Ministry of Foreign Affairs of the Republic of Kazakhstan A. Temenov were heard.

Experts of the National Commission of the Republic of Kazakhstan for UNESCO and ISESCO spoke on issues of cooperation with UNESCO in the following areas: education - V. Shahgulari; natural sciences, information and communication - Muzafarov R.; social sciences - Nauryzbayeva A.; culture - Imambek E.

The meeting was attended by the heads of the departments of "UNESCO on sustainable development" Bazarbayeva T.A. and "UNESCO on Journalism and Communication" Shyngysova N.T.

The experts in their reports also gave positive assessments to the work of the UNESCO Chairs of KazNU named after al-Farabi.

9) June 7-9, 2023 at Al-Farabi Kazakh National University was held the second advanced training course "Environmental journalism in the framework of the Sustainable Development Goals", organized by the Department of Print and Electronic Media and the Department of "UNESCO on Sustainable Development".

The main objectives of the course were: to familiarize students with basic environmental concepts, the essence and features of modern environmental problems (global, regional, local levels); instilling the skills of objective analysis and provision of environmental information; formation of an ecological type of thinking aimed at the implementation of the Sustainable Development Goals of modern society.

In the process of training, students got acquainted with the basic environmental concepts and innovations in solving environmental problems, acquired the skills to establish relationships between particular phenomena and global processes in the "man-environment" system, mastered professional methods of objective presentation and coverage of environmental information.

As part of the course, lectures and practical classes were held by teachers of KazNU. Al-Farabi, representatives of international organizations and well-known PR specialists. The practical part of the course was a trip to the ecotour, which was devoted to conducting field chemical experiments to identify heavy metal ions in water, air, soil, as well as to familiarize with the problems of accumulation of garbage and waste.

This advanced training course was attended by 40 students, among them: Kazakhstani media representatives, PR specialists, teachers, ecobloggers, as well as students, undergraduates and doctoral students.

10) On June 20, 2023, teachers of the UNESCO Chair in Sustainable Development organized an event for weeding young fir trees, dedicated to the International Day for Environmental Protection within the framework of SDG 15 "Preservation of terrestrial ecosystems", in the nursery of the Kaskelen gorge of the Ile-Alatau National Park.

The purpose of the event is to attract public attention to the conservation of the species diversity of the Ile-Alatau National Park and the formation of an ecological culture.

The Kaskelen Gorge in the Ile-Alatau National Park is located in the west of the city of Almaty. In order to preserve biological diversity, spruces are periodically planted in the gorge. Spruces are considered natural monuments. The gorge with picturesque nature, diverse flora and fauna occupies a special place in environmental protection.

The event began with the destruction of weeds in a spruce clearing, then the nursery staff conducted an excursion for teachers, at the end of the event a video was recorded for social networks, promoting respect for nature.

And also image articles were published on all the events passed:

Republican:

- Zhumanova G.S., Zubova O.A. "Tұрақты даму және communication" II халықаралық PR қысқы мектебі // Ecological courier "ATAMEKEN KZ", No. 8 (413), April 15-30, 2023, 5 b.;

- Zubova O.A., Zhumanova G.S. Kazakhstan UNESCO Chair of the Rynyn algashky otyrsy ötti // Ecological courier "ATAMEKEN KZ", No. 23 (737), December 1-15, 2022, 6 b.;

- Zubova O.A., Zhumanova G.S. Turakty damudyn mindetterin iske asyrudagy universityterdin rolin arttyru // Ecological courier "ATAMEKEN KZ", No. 5 (473), March 1-15, 2023, 4 b.;

International:

- Bazarbayeva T.A., Zubova O.A., Khamitova K.K., Kerimkulova A.B. UNESCO and KazNU// Yvision, 11/18/22;

- Khamitova K.K., Zubova O.A. Tusupova B.Kh. БАҚ-тағы тұрақты даму мақсаттары// Qazaqstan dauiri. -04/06/2023.- No. 14 (1444) - 9 b.;

- Khamitova K.K., Zubova O.A. Tusupova B.Kh. Bтағы халық ақпарат құралдарындағы тұрақты даму мақсаттары// Qazaqstan dauiri. -13.04.2023.- No. 15 (1445) - 10 p.

On November 8-10, 2023, it is planned to hold a scientific conference "A new way of decarbonization of the economy", where the department is responsible and will take an active part.

What role can young people play in achieving the SDGs

1. Suggest ideas: Young people are always looking for answers to a wide variety of questions. They challenge existing decision-making mechanisms and offer more effective responses to the challenges of today.

2. Demand change: Young people have the opportunity to take action and call others to action. Today's activists are using new technologies, including social media.

3. Innovate: Young people often have a better understanding of their needs than adults. Young people are aware of their problems and can offer innovative means to solve them.

4. Influence public opinion: Not everyone knows that heads of state and government have adopted the 2030 Agenda. Young people can

communicate goals to their peers and influence public opinion at the local and regional levels.

5. Act as leaders: With knowledge of their rights and leadership skills, young people can become agents of change in their communities and countries. Youth organizations and associations need comprehensive support in order to contribute to the development of civil society and the involvement of vulnerable youth in it.

Purpose and priorities of the Concept

The purpose of this Concept is to create an effective system for the development of youth, create conditions for the implementation of youth ideas in the field of sustainable development, the formation of an active citizenship and value orientations of young people that ensure the stable innovative development of the country, and promote sustainable development and self-development of young people.

The concept is based on the following principles:

- focus on the comprehensive development of youth;
- protecting the rights and legitimate interests of young people, preventing discrimination of young citizens on age, gender, ethnic and other grounds, equality of conditions for the full participation of young people in the socio-economic, political and cultural life of society;
- empowering a young person in choosing his life path, achieving personal success, realizing innovative potential in the interests of social development and the youth themselves;
- involvement of young people in the implementation of sustainable development goals;
- openness and transparency in the implementation of measures in the field of sustainable development;
- scientific character - study, analysis and forecasting of the situation in the youth environment in order to develop measures in the field of sustainability development in all spheres of life;
- consistency - the unification of interrelated activities within the framework of the implementation of the concept of a youth organization in the field of sustainable development.

Priorities

Achieving the goal of the Concept will be carried out in three key priority areas, step by step.

Priority direction 1.

Formation and improvement of mechanisms, tools, institutions that enable youth to participate in achieving sustainable development goals.

Priority direction 2.

Expanding the active participation of young people as equal participants in development and responsible decision-making.

Priority direction 3.

Comprehensive and systematic increase in the competitiveness of young people.

Tasks for each of the priorities

Tasks for achieving priority area 1:

- ensure the adoption of decisions based on an analysis of the situation in the field of youth policy;
- improve the collection and analysis of sustainability data;
- establishing links with scientific, educational and industrial organizations and enterprises of various forms of ownership, implementation of joint projects and scientific cooperation in the areas of sustainable development;
- on a permanent basis to implement the state social order aimed at ensuring the interests of young people;
- participation in the implementation of scientific and scientific and technical programs and projects, including fundamental and applied research aimed at achieving the SDGs;
- involvement of young people in planning, implementation, monitoring and evaluation of the implementation of the Concept;
- contribute to the development and implementation of national and regional programs for sustainable development;

Tasks for achieving priority area 2:

- Raise awareness among young people of issues related to the SDGs;
- create conditions for encouraging young people to actively participate in the implementation of sustainable development goals;

Tasks to achieve priority area 3:

- to introduce a systematic approach to upbringing, education, training, invention, scientific work of young people, focused on results;
- create a system to support youth initiatives and social adaptation of certain categories of youth;
- introduce programs, mechanisms, models of state and business investments in the development of the most capable, gifted, talented young people;
- increase investment in the formation of environmental values among young people based on the achievement of the SDGs;
- strengthen work with youth in the digital space, using modern methods;
- develop young people's citizenship skills (volunteering, civic participation, social activity) and youth cohesion, allowing young people to take a civil position and refrain from being involved in destructive and extremist groups.

Expected results

The implementation of the Concept will make it possible to implement a policy in the field of sustainable development and achieve the following results:

- Youth is a direct participant in making responsible decisions;
- young people have health, sufficient knowledge and skills to achieve their interests;
- youth initiates and participates in creating conditions for their well-being;
- young people promote their interests by mobilizing members of society;
- growth in the number of young people actively participating in the processes of sustainable development;
- Youth is a full-fledged and full-fledged subject of the development of the state and society.