



Report on Sustainable Development Goal 15

15 LIFE ON
LAND



Bukhara 2023

15,2 Supporting land ecosystems through education

15.2.1 "Events about sustainable use of land

Support or organise events aimed to promote conservation and sustainable utilisation of the land, including forests and wild land"

1. On march 9,2022, Bukhara State University was visited by a delegation led by the director of the Eastern Mediterranean Agricultural Research Institute of Turkey Abdullah Çil.

During the visit, the members of the delegation discussed the innovations in the field of agriculture at the Faculty of Agronomy and Biotechnology of the university, the faculty's scientific potential, scientific research, laboratory experiments, and the conditions in the laboratory of soil science and biology.



Link: https://t.me/buxdu_uz/21729

2. On April 13, 2022, The group led by Fatih Azakli, the director of the Turkish design company, Olimjon Toychiyev, the director general of the National Office of Innovation and Technology Transfer, visited Bukhara State University. Rector of Bukhara State University Khamidov Obidjon Khafizovich introduced the University's information-resource center and talked about its possibilities and rare manuscripts. The guests inspected the land area of the Youth Technopark, which will be built in 2022 in the area adjacent to the Bukhara State University, based on the decision of the Cabinet of Ministers dated May 22, 2020 -313. They got all the information about the Technopark project.



Link: https://t.me/buxdu_uz/22239?single

3. On the event of April 22, 2022, World Earth Day, an event was held at the Faculty of Agronomy and Biotechnology. The video link below shows more about the event held.

Link: https://t.me/buxdu_uz/22502

4. In connection with the event held at the Bukhara State University, the Rector of the Bukhara State University, Obidjon Khafizovich, visited the Faculty of Agronomy and Biotechnology, where they actively participated in the public charity event held here, and after that, they got acquainted with the processes taking place in the faculty's plot of land, greenhouses, and laboratories, making wise use of the given opportunities, breeding flower seedlings, expressed their opinion about the high level of use of laboratory equipment (30th of April, 2022).



Link: https://t.me/buxdu_uz/22744

5. A seminar on "Secrets of correct use of the greenhouse and high income" is being held at the Faculty of Agronomy and Biotechnology of BukhSU (15th of June, 2022).

The seminar was attended by Amrillo Nazarov, the deputy of the Bukhara regional governor for agricultural issues, Obidjon Khamidov, the rector of Bukhara State University, director of the Bukhara Experimental Station of the Research Institute of Grain and Legume Crops, advisor to the regional governor, Muhammadjon Akhmedov, the hero of Uzbekistan, regional farmer, farmer, chairman of the land owners' council Sherali Salomov, head of the plant quarantine and protection agency of Bukhara region Otabek Mukhtorov, head of DUK of the Bukhara regional seed breeding center Askar Nozimov, head of the department of nature protection and ecology of Bukhara region Murodjon Umarov, head of Agrocluster of Bukhara region Azamat Sultanov and representatives of a group of partner organizations and enterprises from Turkey are participating.



Link: https://t.me/buxdu_uz/24051

6. On June 15, 2022, at the Faculty of Agronomy and Biotechnology of BukhSU, a seminar was organized on the topic "Secrets of correct use of the greenhouse and high income. The online meeting participants are shown in the flyer below.

SEMINAR
GIDROPONIK ISSIQXONA
SAVOLLARGA ANIQ JAVOBLAR!



BUXORO DAVLAT UNIVERSITETI
1930



ISSIQXONADAN TO'G'RI FOYDALANISH VA YUQORI DAROMAD OLISH SIRLARI









KIRISH SO'ZI:

Zaripov Botir Komilovich
Buxoro viloyati hokimi

Nazarov Amrillo Ibragimovich
Buxoro viloyat hokimining qishloq xo'jalik masalalari bo'yicha muavini

Professor Xamidov Obidjon Xafizovich
Buxoro davlat universiteti rektori, iqtisod fanlari doktori

Axmedov Muhammadjon Ismatovich
Don va dukkaldi ekinlar ilmiy-tadqiqot instituti Buxoro tajriba stantsiyasi direktori, viloyat hokimi maslahatchisi, O'zbekiston qahramoni

Umarov Murodjon Anvarovich
Buxoro viloyati tabiatni muhofaza qilish va ekologiya boshqarmasi rahbari

Nozimov Askar Mahmudovich
Buxoro viloyati urug'chilik markazi DUK rahbari

Azamat Sultonov Akramovich
Buxoro viloyati Agroklaster rahbari

Sherali Salomov
Viloyat fermer, dehqon, tomorqa yer egalari kengashi raisi

Muxtorov Otabek Sayfullayevich
Buxoro viloyati O'simliklar karantini va himoyasi agentligi rahbari



15 IYUN 2022

Soat: 10:00

EKSPERT MA'RUZACHILAR:

Professor Hafiza TO'YMURODOVNA
Agronomiya va Biotexnologiya Fakulteti Dekani

Agronom Ibrahim YILMAZ
GREENQ / Turkiya - Yaqin Sharq Menejeri

Kimyogar Omer MANAP
BEREKET AGRO QK / Kompaniya Biznes Hamkori

Cahit AKŞEN
SERAMARKETIM / O'zbekiston Savdo va Marketing Bo'yicha Menejer

Shakhboz BOBONAZAROV
AGROHOUSE / Organik va Urug'lik Bo'limi Menejeri

Agronom Ilhom YO'LDOSHEV
AGROBEST CENTRAL ASIA XK / Bosh direktori



BuxDU AGRONOMIYA VA BIOTEXNOLOGIYA FAKULTETI - KONFERENSIYA ZALI
Buxoro viloyati, Buxoro tumani, Raboti qalmoq MFY, Yangiobod qishlog'i, 1-uy







ISHTIROK ETISH BEPUL! Ishtirokchilar soni cheklangan ma'lumot uchun: **88-292-07-70**

Link: https://t.me/buxdu_uz/24026

7. The event dedicated to on December 5, 2022, EARTH DAY on the subject "prospects and problems of preserving soil fertility" was held.

World Soil Day is celebrated annually on December 5 to remind the world community of the importance of soil resources and their role in maintaining ecosystems and increasing human well-being. The history of this day started in 2002, when the International Union of Soil Scientists adopted a decision. Scientists have focused on the need to understand the international importance of the soil resources of our planet. In connection with this day, the Faculty of Agronomy and Biotechnology of Bukhara State University held an online and offline event dedicated to Earth Day entitled "PROSPECTS AND PROBLEMS OF PRESERVING SOIL FERTILITY".



Link: <https://telegra.ph/5-DEKABR-YER-KUNIGA-BAGISHLANGAN-TUPROQ-UNUMDORLIGINI-SAQLASH-ISTIQBOLLARI-VA-MUAMMOLARI-MAVZUSIDA-TADBIR-O%CA%BBTKAZILDI-12-03>

15.2.3 "Maintain and extend current ecosystems' biodiversity

Work directly to maintain and extend existing ecosystems and their biodiversity, of both plants and animals, especially ecosystems under threat"

1. Active activities among sportsmen on the nationwide project "Green Space" have begun (October 21, 2022). Today, a sapling planting campaign was held with the participation of volunteer-students of the Faculty of Physical Culture of BuxDU.

Video Link: https://t.me/buxdu_uz/27955

2. Bukhara State University continues to plant saplings as part of the "Green Space" campaign. The Deputy Minister of Higher and Secondary Special Education, Sarvarkhan Buzrukkhanov, and all the rectors of higher education institutions in the region, and the leadership of Bukhara State University planted fruit seedlings on the land allocated for greening. (November 26, 2022)



Link: https://t.me/buxdu_uz/28714

3. On February 17, 2022, as part of the national project "Green Space", with the participation of professors and teachers of the "Interfaculty Physical Culture and Sports" Department of BukhSU, spruce saplings were planted around the sports field of the university and beautification works were carried out.

Dear friends, do not be indifferent to the prosperity of the country! "Let's Plant"



Link: https://t.me/buxdu_uz/21294

4. On February 26, 2022, "Green space": demonstration of good deeds
Preservation of the green world and expansion of green areas has been raised to the level of state policy.

The nationwide project "Green Space" put forward by our President Shavkat Mirziyoyev allows us to turn our cities and villages into green spaces and build beautiful parks. Work in this regard is also continuing at a rapid pace at Bukhara State University.

The larger the green space in the educational institution, the cleaner the air. Therefore, let each of us take an active part in this good project to preserve biodiversity and expand the green world.



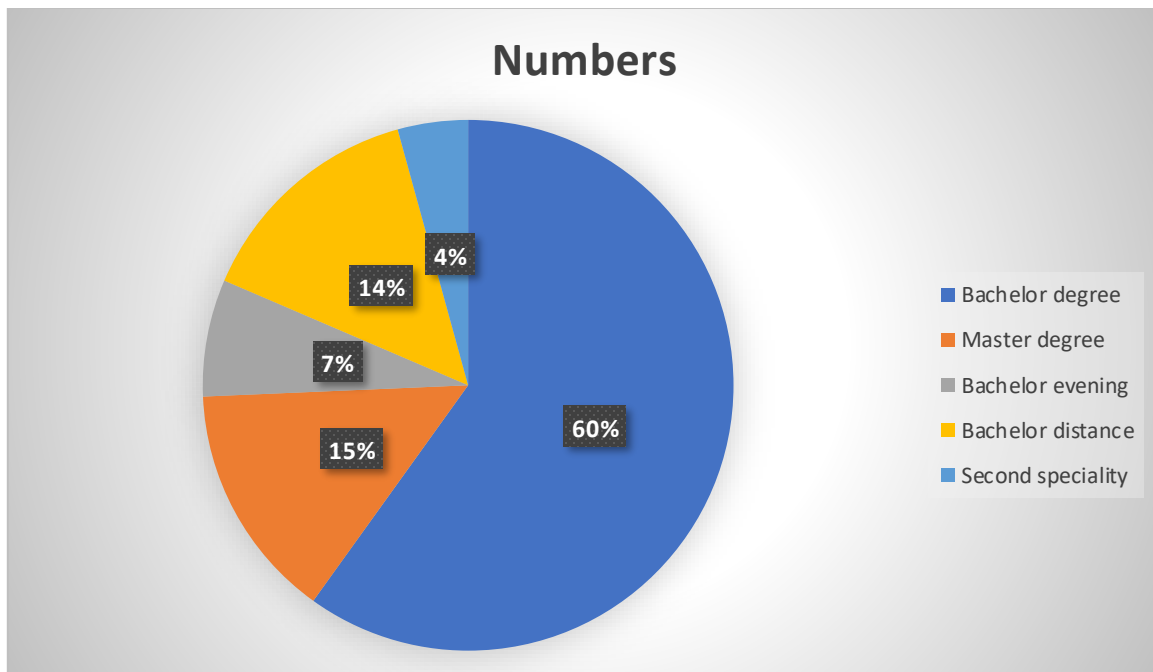
Video Link: https://t.me/buxdu_uz/21495

15.2.4 "Educational programmes on ecosystems

Offer educational programmes on ecosystems (looking at wild flora and fauna) for local or national communities? "

Free: 163

Paid: 638



BukhSU offered 18 educational programmes on ecosystems (bachelor programs, 520 places) namely:

Agribusiness and investment activity

Biology (about species)

Chemistry (about types)

Geography

Information systems and technologies (networks and about fields)

Biotechnology (action networks)

Ecology and environmental protection (networks and about fields)

Electronics and Instrumentation (Networking)

Agrochemistry and agro-soil science

Plant protection (by crop type)

Storage of agricultural products and preliminary operating technology (by type of products)

Fruit growing and viticulture

Vegetable growing, rice growing and potato growing

Organization and management of a greenhouse

Chemical technology (by types of production)

Alternative energy sources (by types)

Oil and gas industry technology

Agronomy (types of farming operations)

Link: <https://buxdu.uz/media/qabul/2022/kvota/kunduzgi.pdf>

BukhSU offered 9 educational programmes on ecosystems (Master degree programs, 101 places) namely:

Ethnography, ethnology and anthropology

Biology (major)

Chemistry (by science)

Geography (by subject)

Soil science (by research type)

Physics of renewable energy sources and sustainable environment

Agronomy

Technology of storage and initial processing of agricultural products (by types of products)

Bioeconomy

Link: <https://buxdu.uz/media/qabul/2022/kvota/magistratura.pdf>

BukhSU offered 2 educational programmes on ecosystems (Bachelor degree (evening) programs, 50 places) namely:

Ecology and environmental protection (by branches and sectors)

Plant protection (by crop type)

Link: <https://buxdu.uz/media/qabul/2022/kvota/kechki.pdf>

BukhSU offered 3 educational programmes on ecosystems (Bachelor degree (distance) programs, 100 places) namely:

Biology (by types)

Geography

Agronomy (by types of agricultural products),

Link: <https://buxdu.uz/media/qabul/2022/kvota/sirtqi.pdf>

And 2nd specialty

Biology (by types)-30

Link: <https://buxdu.uz/media/qabul/2022/kvota/2-mutaxassislik-sirtqi.pdf>

15.2.5 "Sustainable management of land for agriculture and tourism (educational outreach)

Offer educational programme/outreach for local or national communities on sustainable management of land for agriculture and tourism"

Free: 176

Paid: 718

Link: <https://buxdu.uz/105-qabul-2022/4678/4678-qabul-2022/>

15.3.3 "Local biodiversity included in planning and development

Include local biodiversity into any planning and development process (e.g. construction of new buildings) "

On July 4, 2022, a discussion on the construction of construction works at the "2,700-seat educational building, research laboratory, information resource center, and construction of dormitory buildings" under the supervision of the university. Rector of the University O. Khamidov presided over the staff meeting.



Link: https://t.me/buxdu_uz/24755

2. At Bukhara State University, all efforts and potential are being mobilized for the students to get quality education, master the educational processes in a comfortable environment, study in modern auditoriums with all conditions. A bright example of this is the new building of the Faculty of Foreign Languages, which was opened on November 26, 2022. The new building erected in one of the central streets of Bukhara was a real gift for students. The ceremony was held in the presence of the Deputy Minister of Higher and Secondary Special Education Sarvarkhan Buzrukkhanov, Deputy Governor of Bukhara Region Mirali Hamroyev, Rector of Bukhara State University Obidjon Khamidov and Dean of the Faculty of Foreign Languages Nozimjon Ataboyev, as well as a large number of teachers and students. the opening ceremony was held.



Link: https://t.me/buxdu_uz/28689

3. On February 24 Year 2022, the employees of Bukhara State University "Department of Economics" planted about 1000 fruit tree seedlings and rose bushes on the territory of the university within the framework of the national project "Green Space". Within the framework of the project, a worthy contribution is being made for the purity and beauty of our nature.



Link: https://t.me/buxdu_uz/21454

15.3.5 "Collaboration for shared land ecosystems

Collaborate with the local community to maintain shared land ecosystems"

1. On April 30, 2022, an event is taking place under the slogan "Neighborhood prosperity is the welfare of the country" that calls everyone to cooperate in the neighborhood, educational life and resistance. All students of Bukhara State University are contributing to this charity campaign aimed at promoting a healthy lifestyle, contributing to cleanliness and orderliness, and preparing for the auspicious occasion.



Link: https://t.me/buxdu_uz/22725

Link: <https://buxdu.uz/yangiliklar/898/hashar-elga-yarashar/>

Link: <https://buxdu.uz/yangiliklar/959/universitet-jamoasining-umumxalq-hasharida-ishtiroki/>

2. One of the things that bring joy to children is the prosperity of the country. If the environment is neat and clean, the mood will rise, the existence will be enlivened, and your soul will be purified. In connection with the thirty-first anniversary of the state independence of the Republic of Uzbekistan, it is planned to implement the project "Improved university" every Saturday in #Bukhara_state_university during the month of August. Since early morning today, pest works have been started in the territory of the institution. (On August 06,2022). In order to ensure the cleanliness, beautification, and beauty of the sacred shrine like our home, the squares and sidewalks are being cleaned, trees are being trimmed, workplaces and classrooms are being put in order. This solidarity event means honoring a part of our dear motherland and contributing to the beauty of nature.



Link: https://t.me/buxdu_uz/25365

3. The thirty-first anniversary of the state independence of the Republic of Uzbekistan is being celebrated under the motto "In the new Uzbekistan, dear people, dear people." In connection with the date, every Saturday during the month of August, the "Improved University" project was launched at BuxDU.

Today, all faculty teams volunteered to carry out landscaping works in the university area.
Procedures in the example of the Faculty of Physical Culture (video)

Link: https://t.me/buxdu_uz/25580

15.4.2 "Policy on plastic waste reduction"

Have a policy on reducing plastic waste on campus"

BUKHARA STATE UNIVERSITY NET-ZERO PLAN

Introduction: Bukhara State University is committed to leading the way towards a sustainable future by implementing a comprehensive net-zero plan. This plan outlines the actions and interim targets that the university will undertake to achieve carbon neutrality and reduce its environmental impact significantly.

Vision:

By 2045, Bukhara State University envisions itself as a carbon-neutral institution, where all emissions are balanced by equivalent carbon removal, energy efficiency and sustainable practices. The university will be recognized as a sustainability leader within the higher education community, inspiring students, staff and the broader community to become environmentally conscious global citizens.

Actions and Interim Targets:

1. Energy Efficiency and Renewable Energy:

Interim Target 1 (2026): Install solar panels on university buildings to generate 50% of the total energy demand on-campus.

Interim Target 2 (2028): Increase energy efficiency by 20% through building retrofitting and technology upgrades.

Interim Target 3 (2030): Implement smart energy management systems to optimize energy consumption and reduce wastage.

2. Sustainable Transportation:

Interim Target 1 (2026): Increase the use of electric and hybrid vehicles in the university's transport fleet to 20%.

Interim Target 2 (2026): Encourage the use of bicycles and promote public transportation among students and staff, aiming to reduce single-occupancy vehicle trips by 30%.

3. Waste Reduction and Recycling: Interim Target 1 (2026): Implement a comprehensive waste management system that diverts 30% of waste from landfills through recycling and composting initiatives.

Interim Target 2 (2026): Promote the use of reusable water bottles, containers, and other sustainable practices to reduce single-use plastic consumption by 50%.

Interim Target 3 (2025): Establish partnerships with local recycling facilities and organizations to maximize recycling efficiency and explore innovative waste reduction technologies.

4. Carbon Offset and Removal: Interim Target 1 (2030): Invest in verified carbon offset projects to offset 10% of the university's remaining emissions that cannot be reduced internally.

Interim Target 2 (2028): Implement afforestation and reforestation projects on campus and in nearby areas to sequester CO₂.

Interim Target 3 (2030): Collaborate with research departments to explore and support cutting-edge carbon removal technologies.

5. Curriculum Integration and Awareness:

Interim Target 1 (2026): Integrate sustainability and climate change topics into 20% of the university's academic programs across disciplines.

Interim Target 2 (2025): Organize sustainability workshops, seminars, and awareness campaigns to engage students, staff, and the local community in sustainable practices.

Interim Target 3 (2025): Establish a sustainability center to promote research, innovation, and outreach in environmental sustainability.

6.Engagement:

Interim Target 1 (2024): Engage with faculty, staff, students, and the local community to gather feedback and ideas for sustainable initiatives.

Interim Target 2 (2025): Establish a sustainability committee comprising representatives from different departments to guide and oversee sustainability efforts.

Interim Target 3 (2026): Foster partnerships with local businesses, government agencies, and NGOs to leverage resources and expertise for sustainability projects.

Monitoring and Reporting: The university will regularly monitor progress towards achieving interim targets and the net-zero goal. Annual sustainability reports will be published to transparently communicate results, challenges, and future action plans.

By following this net-zero plan with clear actions and interim targets, Bukhara State University aims to lead by example and contribute significantly to the global efforts in combating climate change and securing a sustainable future for all.

Link: <https://www.educationracetozero.org/current-signatories>

15.4.3 "Policy on hazardous waste disposal

Have a policy, process or practice on waste disposal covering hazardous materials"

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