

Report on Kyrgyzstan's activities, devoted to World Ozone Day 2023

This year, the Ozone Center of Kyrgyzstan (NOU) organized a series of events dedicated to the International Day for the Preservation of the Ozone Layer. As part of these activities, experts and lecturers conducted lectures on topics related to sustainable development and environmental protection, including climate and the ozone layer protection. They also shared ideas on how to integrate this important knowledge into the educational process for schoolchildren.

The main slogan of the events was: "Montreal Protocol: Fixing the ozone layer and reducing climate change". The main goal of all these activities was to disseminate information about the protection of the ozone layer, climate change, and the Kigali Amendment to the Montreal Protocol among school teachers, university lecturers, school and university students. The main direction was to inspire participants to take an active part in preserving the ozone layer and mitigating the climate change, by recognizing the importance of phasing out ozone-depleting substances and transitioning to the use of natural refrigerants instead of high global warming potential F-gases.

1. Literature

These materials were distributed to the participants of the events organized by the NOU, and helped to gain general knowledge about the Montreal Protocol, ozone-depleting substances, F-gases and the sustainable development goals. United Nations Secretary-General António Guterres' message for the International Day for the Preservation of the Ozone Layer was printed and distributed among participants.

1. Posters “Behavior lines for sustainable development” on Russian and Kyrgyz languages, “Safety is on the first place” on Russian and Kyrgyz languages, “World ozone Day”.





**Организация
Объединенных
Наций**

Послание

Генерального секретаря ООН Антониу Гутерреша
по случаю Международного дня охраны озонового слоя, отмечаемого 16 сентября

Международные договоры по защите озонового слоя внесли драматический и измеримый вклад в защиту людей и планеты. Они демонстрируют силу многосторонности. И они должны служить примером на то, что вместе мы сможем предотвратить худшие последствия изменения климата и построить устойчивый и устойчивый мир.

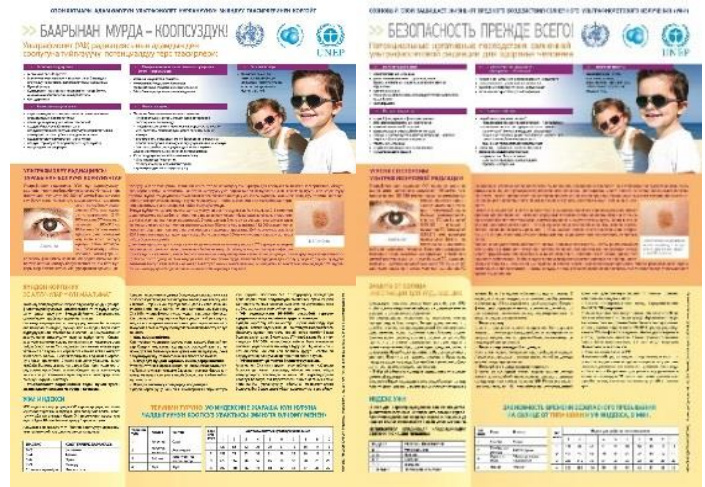
Ограничение повышения глобальной температуры до 1,5° по Целям все еще возможно, если мы немедленно и радикально ускорим действия по борьбе с изменением климата. Я призываю Плату климатической солидарности и Программу ускорения, чтобы помочь в достижении этой цели. Я призываю всех лидеров работать вместе, чтобы превратить иск в жизнь, и поддерживать эти усилия, подкрепляя [Копенгагенскую поправку к Монреальскому протоколу](#) и ограничив использование гидрофторуглеродов, наравлении плану.

Полная ратификация и реализация Контамской поправки позволят избежать потепления на 0,5°C к 2100 году. Сочетание отказа от газа, наравлении плану, с мерами по повышению энергоэффективности в охлаждающих оборудовании может удвоить эту цифру.

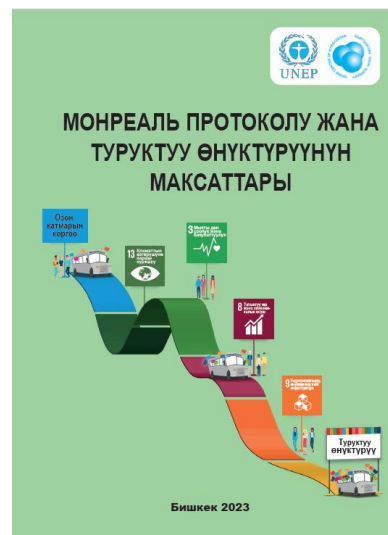
Я призываю все страны ратифицировать Поправку. И я призываю правительства вместе с лидерами бизнеса, гражданскими обществами, научными кругами, молодежными группами, местными сообществами и другими активизировать усилия, чтобы добиться реальных изменений и обеспечить развивающимся странам необходимую для этого поддержку.

Давайте воспользуемся духом Венской конвенции и Монреальского протокола, чтобы построить мир, в котором люди, планета и планета процветают вместе.

С уважением,
Антониу Гутерреш
Генеральный секретарь ООН



2. Brochures: Current state of the ozone layer 2023”, “Protection from harmful ultraviolet radiation”, “Montreal Protocol and SDG” and “Montreal Protocol and human health”. These materials include information on how UV radiation affects human health and protection rules at high UV levels, how the Montreal Protocol has reduced the consumption of ozone-depleting substances and the assessment of the state of the ozone layer over the past four years.



3. Activities dedicated for World Ozone Day 2023

On 16-22nd of July 2023 the representatives of Ozone center conducted the information campaign, under logo of “Fixing the ozone layer and reducing climate change”, in children’s summer camps of Issyk-Kul oblast, it was dedicated the International Ozone Day.

The main aim of the information campaign was to disseminate information about adverse effects of solar ultraviolet radiation, as well as to acquaint children with the methods of protection against harmful UV radiation.

The program consisted of introductory lecture “Ozone Layer Depletion: methods of protection against harmful UV radiation”; watching educational movie “Protection from UV”; presentation of poster “Safety is in the first place”, playing the game “Ozzy Ozone” and quiz. Gifts, such as colored comic books “Ozzy Ozone”, coloring book “Protect yourself from the sun” were distributed among children from summer camps. 2000 children participated the campaign.

There were spread out posters “Safety is in the first place” in Russian and Kyrgyz languages during the activities, these posters contained information on UV index, methods of protection against UV radiation and implication to the human health from excessive exposure to UV radiation, also brochures “Protection from ultraviolet radiation” was given to counselor.

A list of children summer camps and number of children that took part in the information campaign:

1) Children camp «Ulan» (Toru-Aigyr village, Issyk-Kul oblast):

Number of children: 270



2) Children health Center «Aykol» (Sary-Oi village, Issyk-Kul oblast):

Number of children: 200





3) Children camp «Mayak»:

Number of children: 180



4) Children health Center «Orlenek»:

Number of children: 140





5) Children health Center «Den-Soluk»:

Number of children: 140



6) Children health camp «Dzerzhinets»:

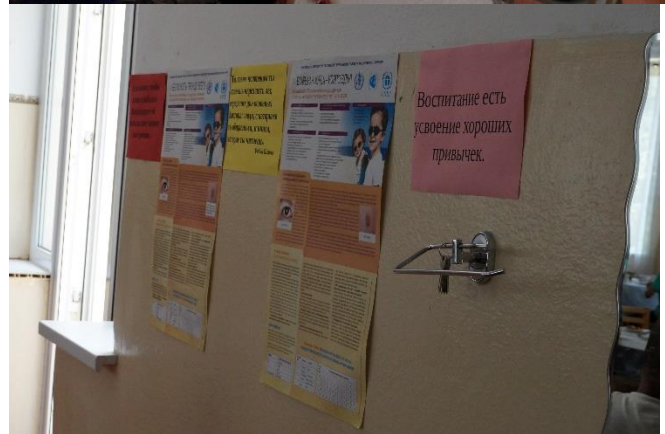
Number of children – 415





7) Children camp « Kelechek »:

Number of children: 400



8) Children camp «Zhalyn»:

Number of children: 314



On September 19, 2023, an environmental campaign dedicated to September 16 the World Ozone Day took place at Secondary School No. 35 in Bishkek. The event focused on educating about the Montreal Protocol, the role of stratospheric ozone in protecting against harmful ultraviolet radiation, as well as the global issue of climate change and the Kigali Amendment to the Montreal Protocol. The 11th-year schoolchildren prepared presentations and posters on the topic "Protecting the Ozone Layer and Climate Change."



On September 20, 2023, a seminar dedicated to the World Ozone Day took place at the Kyrgyz State Technical University. The seminar was attended by faculty members and students from the Department of Food Engineering. The agenda of the seminar included topics such as ozone layer protection, the Montreal Protocol, the Kigali Amendment, and the issue of climate change. Participants were encouraged to choose energy-efficient refrigeration equipment working on natural refrigerants. Richard Cook, an international expert from the Multilateral Fund of the Montreal Protocol on Substances that Deplete the Ozone Layer, took part in this event.





On September 20, 2023, the Ozone Center of Kyrgyzstan (NOU) organized a seminar at Vocational Lyceum No. 93 in Bishkek. Representatives from NOU spoke about the Montreal Protocol, its history, and current achievements. They also explained about the ozone layer, its significance for human health, and the consequences of its depletion. Additionally, participants discussed the issue of climate change and the adoption of the Kigali Amendment and the regulation of HFCs. At the end of the seminar, two sets of refrigeration equipment were distributed to refrigeration technicians who successfully completed the refrigeration technology courses. Richard Cook, an international expert from the Multilateral Fund of the Montreal Protocol on Substances that Deplete the Ozone Layer, participated in this event.







On September 26, 2023, a seminar for teachers was held at the secondary school in the village of Budenovka, Issyk-Ata district. During the seminar, the speakers provided a detailed presentation on ozone layer protection and the Montreal Protocol on substances that deplete the ozone layer, the Kigali Amendment to the Montreal Protocol, and climate change, as well as the connection between the Montreal Protocol and the 17 Sustainable Development Goals (SDGs). The teachers were extensively briefed on the role of sustainable consumption and behavioral patterns for the sustainable development of society. A total of 30 teachers participated in the seminar.





On September 28, 2023, a seminar for teachers was conducted at Gymnasium School No. 69 in the city of Bishkek. During the seminar, the teachers were provided with a detailed overview of the challenges related to the protection of the ozone layer and the climate change mitigation actions. The seminar also covered the Montreal Protocol, which regulates ODS (Ozone Depleting Substances), the Kigali Amendment to the Montreal Protocol, and the contribution of the amendment to climate change mitigation. The connection between the Montreal Protocol and the 17 Sustainable Development Goals (SDGs) was also highlighted. Teachers were provided with comprehensive information on the role of sustainable consumption and the principles of sustainable societal development. A total of 30 teachers participated in the seminar.









On October 3, 2023, the Ozone Center of Kyrgyzstan (NOU) organized a seminar at Secondary School No. 13 in the city of Kyzyl-Kiya, Batken oblast. Representatives from NOU spoke about the Montreal Protocol, the preservation of the ozone layer, the Kigali Amendment, the schedule for HFC phase down, the issue of climate change, and its consequences. The seminar also covered sustainable development, sustainable consumption, and behavioral patterns for sustainable development. Posters "World Ozone Day" and "Safety is on the first place" were distributed, along with brochures on " Protection from harmful UV radiation", "the Montreal Protocol and SDGs." The event was attended by 30 teachers.



Дасты, чым ашты сафаты,
Күн багуу Нооруз маңызы!
Бул урдагы кып айланып бир хеле,
Жон куроу элдер ардагылы бистелел,
Жадырпечи, бирге зигалы багырды, тен,
Салам сага, санжырапуу Ноорузум деп!





On October 5, 2023, a seminar for teachers was held devoted to September 16 World Ozone Layer Protection Day at Secondary School No. 21 in Jalal-Abad city. The seminar extensively covered the protection of the ozone layer and the Montreal Protocol on substances that deplete the ozone layer, emphasizing the dangers of UV radiation and methods of protection against harmful UV rays. Detailed discussions were held on climate change and its consequences, as well as the Kigali Amendment to the Montreal Protocol. The challenges of sustainable development, sustainable consumption, and behavioral patterns for sustainable development were also discussed in detail. Participants were provided with posters on "Lines of Behavior for Sustainable Development" and "Safety in on the first place" in both Russian and Kyrgyz languages, as well as brochures "The Montreal Protocol and Human Health" and " Protection from harmful UV radiation." The seminar was attended by 27 teachers from the city of Jalal-Abad.





On October 6, 2023, in the city of Osh, the Ozone Center of Kyrgyzstan organized a seminar for students at the Osh Technological University. The seminar highlighted the following important topics: ozone layer protection, climate change issues, the Montreal Protocol, and the Kigali Amendment, as well as the concept of sustainable consumption of goods and services in sustainable way, including in Kyrgyzstan. Seminar participants were provided with informational materials such as posters on " Safety in on the first place," as well as brochures on "Protection from harmful UV rays." A total of 24 students and 3 lecturers attended the seminar.





On October 7, 2023, in Osh city, the Ozone Center of Kyrgyzstan organized a seminar for teachers of Osh at Zhetygen Secondary School. The main topics of the seminar included the protection of the ozone layer, climate change, and the Montreal Protocol on substances that deplete the ozone layer, sustainable consumption of goods and services in Kyrgyzstan, and behavioral patterns for sustainable development. Teachers were provided with posters on "Lines of Behavior for Sustainable Development," "Safety is on the First Place", as well as brochures on "Protection from harmful UV radiation," "The Montreal Protocol and Human Health," and " the Montreal Protocol and SDGs ". A total of 28 teachers from schools in Osh participated in the seminar.





Conclusions

The events dedicated to the International Day for the Preservation of the Ozone Layer were successfully conducted and provided participants with a wealth of valuable information. Participants gained essential knowledge about the concept of sustainable consumption and development, the Kigali Amendment to the Montreal Protocol, as well as the significance of protecting the climate and the ozone layer of our planet.

The handouts contained both basic and scientific information about the ozone layer and the principles of sustainable development. This knowledge has become a valuable asset for all participants who took part in the events.

In total, 184 teachers from schools, 49 students, 9 university faculty members, 60 students and 2000 children from summer camps participated in these events.

Assistant of the Ozone Center of Kyrgyzstan

Kamilia Mukhanova