

REPORT

on activities dedicated to the World Ozone Day

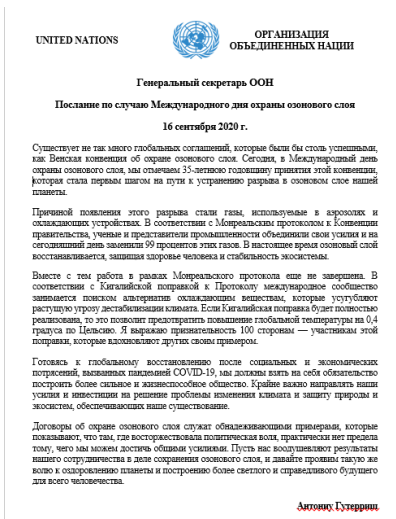
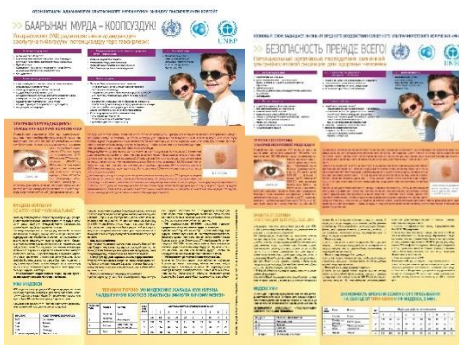
This year the National Ozone Unit of Kyrgyzstan (NOU) organized special activities from 16th of September until 2nd of October to celebrate the International Day for Preservation of the Ozone Layer. Specialists from the Kyrgyz Academy of Education and the State Agency for Environmental Protection and Forestry (SAEPF) were invited as lecturers. They made a great contribution to these events, giving lectures on sustainable development, environment protection and how to introduce this knowledge into lessons for schoolchildren. All events were held taking into account the requirements of the current COVID'19 pandemic, participants kept distance and were given medical masks and gloves.

The official motto of the events was “Ozone for Life. 35 years of ozone layer protection”. The main goal of all activities was to disseminate information on ozone depletion, climate change, energy efficiency in refrigeration and the Kigali Amendment to the Montreal Protocol to school and university teachers and refrigeration technicians. Because after they can help preserve the ozone layer and mitigate climate change by disseminating information on phasing out of ozone depleting substances and replacement of high-GWP F-gases with natural refrigerants.

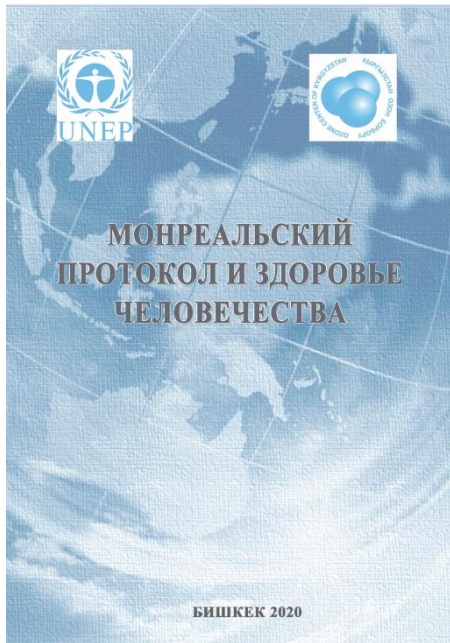
Literature

The following literature has been published to celebrate the World Ozone Day. These materials have been distributed to participants during the seminars organized by the NOU and they include general knowledge about the Montreal Protocol, ozone-depleting substances and the sustainable development goals. United Nations Secretary-General’ annual message for the International Day for the Preservation of the Ozone Layer was printed and distributed among participants and published on websites.

1. Posters: “Sustainable development goals and Montreal Protocol on Substances Depleting the Ozone Layer”, “Behavior lines for sustainable development” on Russian and Kyrgyz languages, “Safety is on the first place” on Russian and Kyrgyz languages, “World ozone Day” and roll-up “World ozone layer preservation day”.



2. Brochures: “Current state of the ozone layer”, “Protection from harmful ultraviolet radiation” and “Montreal Protocol and human health”. These materials includes 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.



Activities dedicated for World Ozone Day 2020

On September 16, 2020, in Bishkek, a workshop for teachers of gymnasium No. 69 and a secondary school in the village of Budenovka, Chui region was held. During the workshop, lecturers spoke in detail about the protection of the ozone layer and the Montreal Protocol on Substances that Deplete the Ozone Layer, energy efficiency in the refrigeration sector, 17 Sustainable Development Goals (SDGs), SDG12: responsible consumption and production, sustainable consumption of products containing ozone-depleting substances, the role and importance of the sustainable cold chain in the food industry and trade for the preservation of food. The following information materials were distributed to the participants: 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”, brochure “Current state of the ozone layer”, “Protection from harmful UV” and “Montreal Protocol and human health”. 20 teachers took part in the seminar.







On September 17, 2020, the Ozone Unit organized a seminar at the Institute of Innovative Professions in honor of the International Day for the Preservation of the Ozone Layer. Representatives of NOU made presentations about the State Program on phase-out of ODS in Kyrgyzstan and achievements in the scientific study of the atmosphere and the ozone layer at the Issyk-Kul OMD scientific station, the Montreal Protocol, its history and current achievements, the Kigali Amendment and the schedule for phasing down HFCs in Kyrgyzstan and the world. Posters “Sustainable Development Goals and the Montreal Protocol on Substances that Deplete the Ozone Layer”, “Safety in on the First Place”, brochure “The Current State of the Ozone Layer” were distributed to participants. 20 participants, including associate professors and professors of the Institute of Innovative Professions, attended the event.





On September 15, 2020 at the Kyrgyz State University of Geology, Mining and Development of Natural Resources named after U.Asanalieva a seminar on the theme "September 16 International Day for the Preservation of the Ozone Layer" was held, dedicated to World Ozone Day. The purpose of this seminar was to raise awareness among ecology teachers on the protection of the ozone layer, biological diversity, the importance of the ozone layer and the consequences of solar ultraviolet radiation on the human body after the depletion of stratospheric ozone. 9 teachers took part in the event. Posters "Sustainable Development Goals and the Montreal Protocol", "World Ozone Day", "Safety is on the First Place" and brochures "Protecting Against Harmful UV", "The current state of the ozone layer" and "Montreal Protocol and Human Health" were handed out. They were distributed to them.

On September 17, 2020, NOU organized a seminar at the vocational lyceum No. 93 in Bishkek. NOU representatives spoke about the Montreal Protocol, its history and the Kigali Amendment, and the schedule of HFC consumption phase down. They also explained about the ozone layer, its role for humans and the consequences of ozone layer depletion, and the problem of the climate change. At the end, posters "Sustainable Development Goals and the Montreal Protocol", "World Ozone Day", "Safety is on the First Place" and brochures "Protecting Against Harmful UV", "The current state of the ozone layer" and "Montreal Protocol and Human Health" were handed out.

12 people attended the seminar. At the seminar, equipment for young refrigeration technicians was distributed.





On September 22, 2020, in Osh city, the Ozone Center of Kyrgyzstan and the State Agency for Environmental Protection and Forestry (SAEPF) organized a seminar for teachers from various schools in Osh city. The main topics of the seminar were “Ozone Layer Protection and the Montreal Protocol on Substances that Deplete the Ozone Layer”, “Energy Efficiency in the Refrigeration Sector”, “SDG 12: Responsible Consumption and Production. Global Search for Sustainable Schools”, “Sustainable Consumption of Products containing Ozone Depleting Substances”, “The Role of Cold Chain in Food Processing and Trade”. The teachers were given posters “Sustainable development goals and Montreal Protocol on Substances Depleting the Ozone Layer”, “Behavior lines for sustainable development” on Russian and Kyrgyz languages, “Safety is on the first place” on Russian and Kyrgyz languages, “World ozone Day” and brochures “Protecting Against Harmful UV”, "The current state of the ozone layer" and “Montreal Protocol and Human Health”. 25 teachers from different schools attended the seminar.





On September 23, 2020, a special training for refrigeration technicians was held at the Kyrgyz-Uzbek vocational lyceum in Osh city dedicated to World Ozone Day. NOU representatives provided information on the Montreal Protocol, on the phase-out of ODS and HFCs and the protection of the ozone layer and combating climate change. Participants learned about natural refrigerants and their physical properties, best practices for servicing refrigeration equipment working on HFCs and natural refrigerants. Posters “Safety is on the First Place”, “Sustainable Development Goals and the Montreal Protocol on Substances that Deplete the Ozone Layer”, a brochure “Practical Guide for Certification of Refrigeration and Air Conditioning Professionals” were distributed to participants.



On September 29, 2020, in the Bakai-Ata village, Talas oblast, a seminar for school teachers in honor of September 16 World Ozone Day was held. The seminar was organized jointly with the SAEPF. The main topics of the seminar were: Protection of the ozone layer and the Montreal Protocol on Substances that Deplete the Ozone Layer, it was told about the harm of UV to human, protection against harmful UV; Identification of ODS and their use; Energy efficiency in the refrigeration sector; Sustainable consumption of products containing ODS; Disposal of refrigerants and refrigeration equipment; The role of the cold chain in providing food to the world. Topics like SDG 12: Responsible Consumption and Production and A global search for

sustainable schools were detailed. Posters “Sustainable development goals and Montreal Protocol on Substances Depleting the Ozone Layer”, “Behavior lines for sustainable development” on Russian and Kyrgyz languages, “Safety is on the first place” on Russian and Kyrgyz languages, “World ozone Day” and brochures “Protecting Against Harmful UV”, "The current state of the ozone layer" and “Montreal Protocol and Human Health” were distributed to the participants. 20 teachers attended the seminar.





October 2, 2020 NOU of Kyrgyzstan together with the State Agency for Environmental Protection and Forestry organized a seminar in the village of Kazan-Kuygan for teachers of the Naryn region. The main topics of the workshop were: “Ozone Layer Protection and the Montreal Protocol on Substances that Deplete the Ozone Layer”, “Energy Efficiency in the Refrigeration Sector”, “SDG12: Responsible Consumption and Production. Global Search for Sustainable Schools”, “Sustainable Consumption of Products containing Ozone Depleting Substances”, “The Importance of the Sustainable Cold Chain in Food Processing and Trade”. Posters “Sustainable development goals and Montreal Protocol on Substances Depleting the Ozone Layer”, “Behavior lines for sustainable development” on Russian and Kyrgyz languages, “Safety is on the first place” on Russian and Kyrgyz languages, “World ozone Day” and brochures “Protecting Against Harmful UV”, "The current state of the ozone layer" and “Montreal Protocol and Human Health” were distributed to the participants. 16 teachers attended the seminar.





Conclusions

The activities dedicated to the International Day for the Preservation of the Ozone Layer were positively conducted, the participants received important information about sustainable cold chain for food products, energy efficiency of refrigeration and climate equipment, the Kigali Amendment to the Montreal Protocol and the importance of protection the climate and the ozone layer of the Earth. The handouts provided basic and scientific knowledge about the ozone layer, sustainable development and ODS alternatives. In total, 110 school and university teachers and 30 refrigeration technicians took part in these events.

All activities were carried out taking into account safety requirements during the COVID19 pandemic.