



**The State Agency on Environment Protection and Forestry**

**National Ozone Unit of The Kyrgyz Republic**

# **R E P O R T**

**on celebration of the International Ozone Day 2018**

**BISHKEK 2018**

16<sup>th</sup> of September is a special day for all National Ozone Units in the World. These day is devoted to the celebration of International Ozone Layer Preservation Day and NOU of Kyrgyz Republic organized activities such as open lectures and seminars in Bishkek, Osh and Djalal-Abad cities, in order to raise awareness about Montreal Protocol on substances, that deplete the ozone layer and negative effects of excessive UV radiation.

NOU of Kyrgyzstan made efforts this year for celebrating the International Ozone Day including a special contest for school pupils interested in the environment protection, and inviting various experts and government officials (from Ministry of Education and Science of the Kyrgyz Republic and The State Agency of Environment Protection and Forestry) as lecturers at seminars. The invited experts contributed a lot to this celebration by giving lectures about sustainable development and protection of the environment and assisting in preparing of activities.

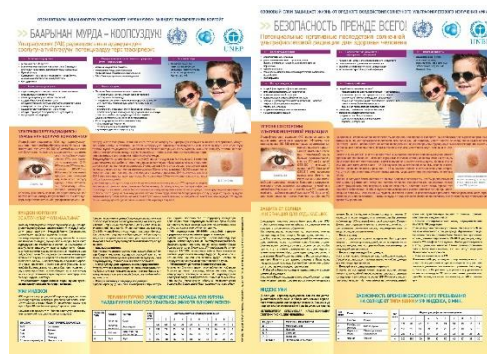
“Keep cool and carry on. Montreal Protocol” was an official motto for all events and activities of this year; the motto was selected by the executive secretariat of the Montreal Protocol for 197 member countries. The main goal of these events was to spread information about the depletion of the ozone layer and Kigali Amendment to the Montreal Protocol among students, pupils, teachers, so they can contribute to preservation of ozone layer and climate change mitigation by distributing information about phasing out of ozone depleting substances and replacement of high GWP F-gases with natural refrigerants.

The activities was planned in early July, since it was summer and it was actual to spread information about healthy behavior while resting on the beach, how not to expose to and possible consequences of excessive solar UV radiation to human, especially for young and children. Therefore, representatives of NOU Kyrgyzstan decided to teach children from summer camps about methods of protection from UV radiation and organized large information campaign in summer, devoted to International Ozone Day.

## **1. Dissemination materials**

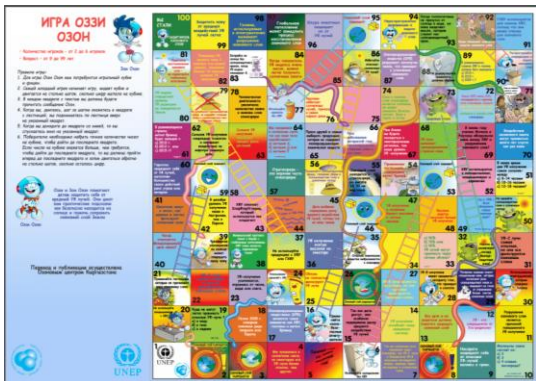
In order to make activities, devoted to International Day for Preservation of Ozone Layer, more successful and sustainable following materials were published for dissemination. These materials were distributed among participants of activities, organized by NOU Kyrgyzstan and they help to obtain general knowledge about the Montreal Protocol, ozone depleting substances, and sustainable development goals. Several technical books can be useful for experts in the fields of refrigeration and air conditioning, since they content valuable knowledge about use of ODS and alternatives to ODSs.

**1. Posters** “Sustainable development goals and Montreal Protocol on Substances that Deplete the Ozone Layer”, “Lines of behavior for sustainable development”, “Safety is in the first place”, “17 Sustainable Development Goals” in Russian and Kyrgyz languages, a banner and a roll-up “International Day of preservation of the Ozone layer” in Russian and Kyrgyz languages.



**2. Literature:** comics “17 steps to better future” and leaflets “5 step of future ecologist” were published in Russian language. These materials describe how to reach sustainable development goals, while protecting environment and preserving natural resources. Table games “Ozzy Ozone” in Kyrgyz and Russian language were published for children and pupils, so they can learn how to behave in sunny day, how to preserve the ozone layer and how to choose ozone

friendly products. Several technical books were printed for experts in refrigeration fields; they are “Modern air conditioners: installation, use and repairing”, “Safety guidelines on using flammable refrigerants”.



**ШАГ 4: Экономь энергию и воду!**  
 Экономь энергию и воду экономь природные ресурсы, воду, энергию. С каждым годом их использование на уровне планеты и города увеличивается.  
 Нам важно помнить, что будущее поколение точно знает права человека и в равной мере на этой планете. Поэтому мы должны позаботиться о том, чтобы мы имели ресурсы, воду и энергию для своей жизнедеятельности.  
 Экономь ресурсы, не прощай лишнего. Все товары и техника – это природные ресурсы. Делай экономные покупки.  
 Экономь энергию: используй энергосберегающие лампы, экономь использование энергии у себя дома и в школе!  
 Экономь воду: не оставь кран с бегущей водой, старайся экономить мыло (шампунь, крем, гель).  
 Вместе мы можем позаботиться о том, чтобы дети будущего тоже жили и преуспели в мире!

**Нужно экономить энергию и воду!!!**

**ШАГ 5: Уменьши количество пластика**

**ВСЕМИРНЫЙ ДЕНЬ ЗАЩИТЫ ОЗОнового СЛОЯ - 2018**  
**Молодежь и природа – общее будущее**

Пластик разлагается более 300 лет, при этом мы его используем каждый день. Представь себе, что останется после нас. В наше время пластик стал широко использоваться всего около 30 лет. Сегодня пластиком покрываем леса, реки, степи. Пластик, практически все вещество, которое мы используем, попадает на свалку и хранится там долгие годы, либо разлагается в своем по природным территориям. Поэтому важно дать бой пластику! Уменьшить количество используемого пластика в нашем классе!  
 ♣ Постарайся не использовать канцелярские пластиковые предметы: свисточки, трубочки, тарелки.  
 ♣ Минимально используй пластиковую упаковку.  
 ♣ Бумага или оному или многократно используй один лист.  
 ♣ Собирай отходы! Собирай пластиковый мусор и отправляй пакет или мешок. В собранном состоянии его соберут муниципалитет и передадут в пункт приема

**ПЯТЬ ШАГОВ ЮНОГО ЭКОЛОГА**

**4 кадам: Суу менен энергияны үнөмдөгүлө**

Бул сыяктуу бир ар кандай жаш-туул, ар кандай заттарды жана суу үнөмдөө энергияны жакшыраак колдонушу. Буларды колдогонун сыяк, шаарыбыздын жана планетаныбыздын денгээлине көзүнө көтөрүлсүн.

Канекен муун дагы жергиликтүү жана бардык өлкөлүктү планетада жакшыраак таптуу жөнүндө эскертсе болушу керек. Экономь энергияны, көпчөк муун ресурстардын анын ичинде суу жана энергияны көпчүлүк болушу үчүн көмүрүбүз керек.

Ресурстарды үнөмдөө үчүн, ыңгайлуу ресурстарды сактап алба. Бардык таарлар менен чечимди, бул каргатылгыч ресурстарды керектүү эле токойдо сактап ал.

Энергияны үнөмдөө энергияны үнөмдөө үчүн энергияны колдон, үнөмдүү жана жетпейт энергиянын көп сарпталышы өнөрчүлүк.

Сууну үнөмдөө: өлкө-франция анын бойдон калыбына, суу буталарын сактап (буулар, дыйнар, аялдоо) сыяктуу көптөгөн муунубуздун кыялы жакшыраак кыла алат!

**Энергия менен сууну үнөмдөө керек!**

**5 кадам: пластикти сынып азыт**

Пластик 300 жылда гана чырайт. А бул пластикти ким сайып колдонду? Биздин ичинде муунга эмне катардын ар кандай өңүлөрү бар?

Кангалакта пластикти колдонуу аяк кылышыбыз 20 жыл гана болду. Азыр токойдо, талааларда, дыйнарларда пластикти ибем көр.

Биз колдонгон бардык пластик таарлар чөгүтүлүүчү кыял барат. Ал жакта жетпейт мындар бою сакталат: Шаарлар болушу пластикти үнөм, табиятыбыз буга. Ошондуктан, пластикти ар кандай жерге коюу.

Пластикти колдогонун азайтуу ар бир биздин мүнөзүбүз болот!

♣-Бир жолу колдогонун бети таткан пластик ибем-агызын, сынып, ар кандай, трубочкаларын колдоно.

♣-Пластик кутумдарын азыраак колдон.

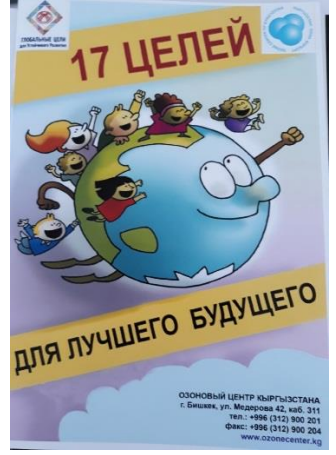
♣-өңүрүлгөн сактап ал же бир эле бөлүмдө аны көрү өздө.

**Кандыктарың белгиле!**  
 Пластикте кандай буюмдарды өңүрүлгөн чөгүтү. Сен чөгүтүлгөн пластик кандайдыр аны пластиктерди кабыл алуу пунктуна алып кет.

**Бүткүл дүйнөлүк озон катмарын коргоо күнү - 2018!**

*Жаштар хана жаратылыш – жакшы келечектүү*

**Жаш экологдун 5 кадамы.**



### **3. Activities devoted to World Ozone Day 2018**

**1. On 24-28<sup>th</sup> of July 2018** the representatives of Ozone center conducted the information campaign, under logo of “Keep cool and carry on. Montreal Protocol”, 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. More than 2200 children participated the campaign.

There were spread out about 100 posters “Safety 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: 358



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

Number of children: 196



**3) Children camp «Zhetigen» (Bosteri village, Issyk-Kul oblast):**

Number of children: 41



**4) Children health Center «Sputnik» (Sary-Oi village, Issyk-Kul oblast):**

Number of children: 96



**5) Children health Center «Orlenok» (Sary-Oi village, Issyk-Kul oblast):**

Number of children: 108



**6) Children camp «Den Sooluk» (Cholpon-Ata city, Issyk-Kul oblast):**

Number of children – 138



**7) Children health camp «Dzerzhinets» (Chok-Tal village, Issyk-Kul oblast):**

Number of children: 450



**8) Children camp «Kelechek» (Kosh-Kol village, Issyk-Kul oblast):**

Number of children: 602



**9) Children health camp "Mayak" (Toru-Aigyr village, Issyk-Kul oblast):**

Number of children: 345



Senior camp counselors have shown considerable interest in this campaign, noting the importance of it for children. They recommended carrying out this campaign during whole summer. There were suggestions from camp counselors that would be very effective to organize workshop or training on this subject for the directors and camp counselors of children's summer camps.

**2. On 15<sup>th</sup> of September 2018**, seminar under the motto “Keep cool and carry on. Montreal Protocol” devoted to the International day of the ozone layer preservation were held at Bishkek Mountain Multidisciplinary College. During the seminar, all participants learnt about the Montreal Protocol, the importance of ozone layer for all species, including humanbeing and Kigali Amendment aimed at combating climate change. Lecturers also told about ozone depleting substances: production, use and disposure. Following information materials were distributed among participants: leaflets: “5 steps of young ecologist”, Ozzy Ozone table game, books “17 steps to better future” and posters “Safety is in the first place”. 60 students and 5 teachers took part in the seminar.





**3. On 17<sup>th</sup> of September 2018**, a seminar for school teachers was held in secondary gymnasium No. 2 in Lebedinovka village, devoted to World Ozone Day 2018. During the seminar lecturers told about “Protection of Ozone layer”, “Education for sustainable development”, “Lines of behaviors for the sustainable development”, “The Montreal Protocol and Sustainable development Goals” “Green Package: Glaciers of Central Asia” and “Green Steps: multimedia educational tool”. Following information materials were distributed to participants: Posters “Lines of behavior for the sustainable development”, “Safety is on the first place”, “Montreal Protocol and Sustainable development Goals”, “17 Sustainable development goals” information leaflets “5 steps of young ecologist”. About 30 pupils listened the lecture about the Ozone Layer depletion and protection from UV radiation, after the lecture pupils played a game “Ozzy Ozone” and attended quizzes. They got books “17 steps for better future” and table game “Ozzy Ozone”. There were 57 teachers from Alamudun region and 30 pupils.



**4. On 18<sup>th</sup> of September 2018, NOU of Kyrgyzstan arranged the seminar at the No. 93 professional Lyceum in Bishkek to celebrate the International Day for the Preservation of the Ozone Layer. The representatives of NOU told about the Montreal Protocol, its history, and current achievements. They also showed movies about the Ozone Layer, its role for human, and about consequences of the ozone layer depletion. At the end posters “Lines of behaviors**

for the sustainable development”, posters “Sustainable development goals and Montreal Protocol on Substances that Deplete the Ozone Layer”, information leaflets “5 steps of young ecologist” were distributed to all students and teachers. Teachers of the lyceum and about 50 pupils attended the event.



After the seminar, NOU of Kyrgyzstan handed over two sets of special equipment to the No. 93 professional lyceum and each of two refrigeration technicians from Chuy and Issyk-Kul oblasts got the single sets.



**5. On 18<sup>th</sup> of September 2018**, NOU of Kyrgyzstan arranged the seminar at the No. 94 professional Lyceum in Bishkek. The representatives of NOU told about the Montreal Protocol, its history, and current achievements. They also explained about the Ozone Layer, its

role for human, and about consequences of the ozone layer depletion. At the end posters “Lines of behaviors for the sustainable development”, posters “Sustainable development goals and Montreal Protocol on Substances that Deplete the Ozone Layer”, information leaflets “5 steps of young ecologist” were distributed to all students and teachers. Teachers of the lyceum and about 30 pupils attended the event.



After the seminar, NOU of Kyrgyzstan handed over two sets of special equipment to the No. 94 professional Lyceum.



**6. On 21<sup>st</sup> of September 2018**, seminar devoted to the International Day for Preservation of the Ozone Layer were held at Osh Technological University named after A.Adyshev in Osh oblast. The representatives of NOU Kyrgyzstan gave information on the Montreal Protocol and its role in phasing out of ODS. Participants got posters “Safety is in the first place” and “Lines of behavior for the sustainable development”, “Sustainable development goals and Montreal Protocol on Substances that Deplete the Ozone Layer”, “17 Sustainable Development Goals”, technical books “Air conditioners: installation, use and repair” and leaflets “5steps of young ecologist”.



**7. On 22<sup>nd</sup> of September 2018**, seminar was held at Kyrgyz-Uzbek professional lyceum in Osh city. The representatives of NOU Kyrgyzstan gave information on the Montreal Protocol and its role in phasing out of ODS and protection of ozone layer. They also told about problem

of the ozone layer depletion, chemicals that deplete the ozone layer, and their alternatives. Posters “Safety is in the first place” and Posters “Lines of behavior for the sustainable development”, “Sustainable development goals and Montreal Protocol on Substances that Deplete the Ozone Layer”, “17 Sustainable Development Goals”, technical books “Air conditioners: installation, use and repair” and leaflets “5steps of young ecologist” were distributed among the participants.



After the seminar two privately each of two individual entrepreneurs from Nookat and Kyzyl-Kiya got the set of special equipment from NOU of Kyrgyzstan.



**8. On 25<sup>th</sup> of September 2018, NOU of Kyrgyzstan and State Agency of Environment Protection and Forestry organized a seminar for teachers at Djalal-Abad regional center of**

children and teenagers creativity. The seminar was devoted to World Ozone Day 2018. The main topics of the seminar were “Protection of Ozone layer”, “Education for sustainable development”, “Lines of behaviors for the sustainable development”, “Montreal Protocol and Sustainable Development Goals”, “Green Package: Glaciers of Central Asia” and “Green Steps: multimedia educational tool”. Teachers participants got teaching books OzonAction Education Pack: A guide for primary school teachers, posters “Lines of behavior for the sustainable development”, “Safety is on the first place”, comic book “17 steps for a better future”, CD with educational packs. All participant took certificates



NOU together with Djalal-Abad regional center of children and teenagers creativity had organized the competition of the Best Poster, the Best Picture and the Best poem about Ozone Layer Preservation. Pupils from different schools of the Djalal- Abad hregion took part in the competition, after 20 winners were selected. Winners got different books.



Pupils and teachers from schools organized interesting performances about ozone layer depletion. During the performances, they explained how the ozone layer protects the Earth and how people contributes to preservation and depletion of ozone layer. They created songs, little poems and short staging about role of ozone layer for human health and other ecosystems.







All 29 pupils listened the lecture about the Ozone Layer depletion and protection from UV radiation, after the lecture pupils played a game “Ozzy Ozone” and attended quizzes, they also attended creative studios, where they painted plaster figurines. At the end of the activities a table game “Ozzy Ozone” were given to pupils. There were 51 teachers and 29 pupils of the 3<sup>rd</sup>-9<sup>th</sup> grade from all parts of Djalal-Abad oblast.





## **Conclusion**

In general, the activities dedicated to the International Day for Preservation of the Ozone Layer were held in a positive way, the participants received key information related to protection from excessive exposure to UV radiation, the handouts also contained basic knowledge on the ozone layer, the Montreal Protocol on Substances that Deplete the Ozone Layer, sustainable development and alternatives to ODS. Special attention was paid to Kigali Amendment to the Montreal Protocol and its role in mitigation of climate change and phasing down of HFCs. In total about 2400 school pupils (including summer camps and secondary schools), 101 schoolteachers, 20 university teachers and 200 students took part in these activities.

**These events were described in websites, newspaper and television:**

- <http://ekois.net/vsemirnyj-den-zashhity-ozonovogo-sloya/>
- <https://eco.akipress.org/news:1469683>
- [https://www.facebook.com/pg/RCE-Kyrgyzstan-159843337407406/photos/?ref=page\\_internal](https://www.facebook.com/pg/RCE-Kyrgyzstan-159843337407406/photos/?ref=page_internal)
- <https://www.facebook.com/Государственное-агентство-охраны-окружающей-среды-и-лесного-хозяйства-КР-271979216162577/>
- State official newspaper of the Kyrgyz Republic “Erkin Too”, No. 76(2934), 11<sup>th</sup> of September 2018
- ELTR television company
  - 15.09.2018 news

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