

## **Report**

### **on activities of Ozone Center of Kyrgyzstan in 2022**

In 2022, the Ozone Center of Kyrgyzstan carried out activities on Kigali HFC Implementation Plan (KIP).

#### ***Improvement of the legal and regulatory framework for HFCs control***

**On March 10, 2022**, a kick-off seminar on the UNEP/UNDP project to develop a draft State program on phasing down hydrofluorocarbons in 2024-2029 was held in Bishkek. Representatives of following institutions attended the seminar: Ministry of Natural Resources, Ecology and Technical Control of the Kyrgyz Republic, UNDP Office in the Kyrgyz Republic, State Border Service of the Kyrgyz Republic, State Customs Service of the Kyrgyz Republic, Fire Supervision Service under the Ministry of Emergency Situations of the Kyrgyz Republic, Ministry of Economy and Commerce of the Kyrgyz Republic, Ministry of Health of the Kyrgyz Republic, Unison Public Fund, National Statistical Committee of the Kyrgyz Republic, State Agency for Architecture, Construction and Housing and Communal Services under the Cabinet of Ministers of the Kyrgyz Republic, Center for Standardization and Metrology under the Ministry of Economy and Commerce of the Kyrgyz Republic, Refrigeration industry, Educational institutions.

At this kick-off seminar, participants discussed main objectives and issues related to development of the State program on phasing down of hydrofluorocarbons in 2024-2029 in Kyrgyzstan. The main questions were role and obligations of each ministry and department in this program, the problem of personnel training and certification of specialists on the safe handling of natural refrigerants and modern RAC systems, and the problems of introducing an electronic system for licensing import and export of HFCs and reporting about HFCs use.

#### ***Workshops on preparation of a draft state program on phase down of HFCs***

No.	Place	Date	Number of participants (number of women)
1.	Cholpon-Ata city	June 22, 2022	40 (7)
2.	Jalal-Abad city	August 2, 2022	21 (3)
3.	Osh city	August 3, 2022	28 (2)

**On June 22, 2022**, in Cholpon-Ata, a workshop on the preparation of a draft state program on phasing down of HFCs was held. The workshop covered topics such as climate change and the Kigali Amendment to the Montreal Protocol, alternative technologies for HCFC and HFC refrigerants. The participants learnt development of a draft State program on HFCs phase down for 2024-2029 in Kyrgyzstan, a review on the application of energy efficient green technologies in the refrigeration sector was made. At the workshop, it was told about the rules for the import and export of HFCs and HFC-containing equipment to Kyrgyzstan and reporting on the consumption of HFCs and equipment containing HFCs. Participants discussed main content of state program and gave recommendations and remarks.

**On August 2, 2022**, in Jalal-Abad, a workshop on the preparation of a draft state program on phasing down of HFCs was held. The workshop discussed the problem of climate change and the Kigali Amendment to the Montreal Protocol, presented a schedule for reducing HFC consumption for Kyrgyzstan, defined GWPs and their indicators for HFCs, presented a list of regulated HFCs under the Kigali Amendment. The proposed policy measures to reduce the consumption of HFCs, which will be included in the draft plan of the State Program for 2024-2029, were discussed in detail, such as the introduction of a ban on the import of high-GWP refrigerants, the training of refrigeration technicians and law enforcement bodies, and the improvement of the energy efficiency of RACHP equipment. A review was made of modern and energy efficient low-GWP alternatives to HFCs for the refrigeration and air-conditioning sector. The participants were explained the rules for licensing HFCs in Kyrgyzstan. They talked about reporting on the consumption of HFCs and equipment containing HFCs. Showed how to fill in HFC registry forms.

**On August 3, 2022**, in Osh, a workshop on the preparation of a draft state program on phasing down of HFCs was held. The workshop covered such topics as the implementation of the Kigali Amendment and climate change, GWP indicators for different types of HFCs. Alternative technologies for HCFC and HFC refrigerants. The participants learnt in detailed on main components of the draft State Program on phasing down HFCs for 2024-2029, including the HFC quota, training for refrigeration technicians and law enforcement officers, and milestones for reducing HFCs consumption. The application of energy efficient green technologies in the refrigeration sector was discussed. At the workshop, it was told about the rules for the import and export of HFCs and HFC-containing equipment to Kyrgyzstan. The participants were explained the rules for licensing HFCs in Kyrgyzstan. They talked about reporting on the consumption of HFCs and equipment containing HFCs. Showed how to fill in HFC registry forms.

Based on the results of survey on the HFCs consumption in various sectors of refrigeration and foam production, consultations with stakeholders, the following draft documents were developed:

1. Project proposal for a program on phase down of HFCs by 10% by 2029 (Stage I) for submission to the Executive Committee of the Multilateral Fund for the Montreal Protocol
2. A strategy on phase down of HFCs in the Kyrgyz Republic for the period up to 2029
3. Analysis of ODS legislation and recommendations for the HFC phase down program for the period 2024-2045
4. Overview of HFC consumption in the refrigeration and foam sectors for the period 2015-2022 and forecast of HFC consumption until 2045.

In 2022, the Ozone Center took part in the discussion and development of the draft Building Code “Heating, Ventilation and Air Conditioning” and contributed to the development of Chapter 8 “Refrigeration”. This SN KR 41-04:2022 was approved and put into effect by the order of the State Agency for Architecture, Construction and Housing and Communal Services under the Cabinet of Ministers of the Kyrgyz Republic dated November 9, 2022 No. 55

***Training of representatives of authorized state bodies  
(Customs and border services and ecological and technical inspectorate)***

No.	Place	Date	Number of participants (number of women)	Service
1	Bishkek	31 March 2022	25 (4)	ETSS
2	Cholpon-Ata	22 April 2022 г.	26 (3)	ETSS
	Osh	10 December 2022	60 (5)	SBS

**On March 31, 2022**, in Bishkek, a workshop on the implementation of state environmental control within the framework of compliance with the provisions of the Montreal Protocol on Substances that Deplete the Ozone Layer in the Kyrgyz Republic was held for employees of the environmental and technical supervision service of Bishkek city and Chui oblast. At the workshop it was discussed in detail the role and functions of environmental inspectors in the fight against offenses that damage the environment, in particular, prevention of emissions of ODS and HFCs and the registry of the consumption of ODS and HFCs under the laws on Protection of Atmospheric Air and the Ozone Layer. The participants were told in detail about the requirements of the Interstate Standard EN 378 Refrigeration and heat pump systems. Requirements for safety and environmental protection. A special form for registry of HFC equipment with a refrigerant charge volume more than 3 kg was presented to inspectors. During practical part expert explained how to fill in the form and how to identify volume of refrigerant charge of different equipment.

**On April 22, 2022**, in Cholpon-Ata city, a workshop on the implementation of state environmental control within the framework of compliance with the provisions of the Montreal Protocol on Substances that Deplete the Ozone Layer in the Kyrgyz Republic was held for employees of the environmental and technical supervision service of Naryn and Issyk-Kul oblasts. The workshop covered in detail the definitions of ODS, HFCs and equipment containing ODS/HFCs, ODS/HFC blends. It was told about the national legislation in the field of protection of atmospheric air and the ozone layer and the obligations of environmental inspectors in the framework of these laws. It was also told in detail about the requirements of the Interstate standard EN 378 Refrigeration and heat pump systems. Requirements for safety and environmental protection. Participants learnt about a registry form for equipment operating on HFCs with a refrigerant charge volume more than 3 kg and were told how to fill it in, how to identify charge volume and type of refrigerant.

**On December 10, 2022**, officers of the State Border Service in the southern region were trained. on regulation of import/export/transit of ODS, HFCs and ODS, HFC-containing equipment in Kyrgyzstan. The participants were told about stratospheric ozone and the impact of UV radiation on the health of people and other organisms, the problem of climate change and the Kigali Amendment. It was also told about the results of the state program on ODS phase out in the Kyrgyz Republic. Details were given on the definition of ODS, HFCs and equipment containing ODS, HFCs, labelling, CAS/ASHRAE/UN numbers and color codes. It was explained which sectors use equipment on HFCs. It was told about the methods of smuggling of HFCs, ODS and cases of ODS smuggling in Kyrgyzstan. 60 border officers attended the workshop. All workshop participants were given printed materials on ODS for law enforcement agencies. During the seminar, a practical session was held on using the refrigerant identifier (gas analyzer) to determine the type of refrigerant and talked about safety precautions for handling refrigerants and pressure vessels and the necessary personal protective equipment.

### ***Monitoring of ODS and HFCs handling***

In 2022, official letters were sent to organizations using ODS, HFCs and natural refrigerants requesting reports on use of refrigerants in 2021. According to the results of the survey, a report was drawn up on the consumption of ODS, HFCs and natural refrigerants in Kyrgyzstan in 2021 for Multilateral Fund of the Montreal Protocol.

### ***Recovery and recycling of refrigerants***

In 2022, data were collected on the recycling and recovery of refrigerants. According to the monitoring results, the amount of HCFC-22 recovered was **2552** kg, including **139** kg of purified. Over the entire period of the project, the recovered CFC-12 (HCFC-22) amounted to **20803 (15954) kg**, purified amounted to **6885 (1225) kg**. The table below summarizes the results of the recovery and recycling of refrigerants over the entire period of operation of the Ozone Center.

Years	Recovered (kg)		Recycled (kg)	
	CFC-12	HCFC-22	CFC-12	HCFC -22
2003	750	0	0	0
2004	2864,6	0	1101,9	0
2005	3930,8	0	1501,4	0
2006	1569,8	0	1013,7	0
2007	1900	0	588	0
2008	2142,8	0	700	0
2009	2734	0	843	0
2010	1939	0	707	0
2011	896	0	187	0
2012	721	1109	83	162
2013	588	1517	54	228
2014	325	1158	45	78
2015	158	1255	27	50
2016	123	1420	22	69
2017	61	1004	12	52
2018	58	964	0	70
2019	0	1015	0	109
2020	0	1060	0	115
2021	0	2900	0	153
2022	0	2552	0	139
<b>Total</b>	<b>20803</b>	<b>15954</b>	<b>6885</b>	<b>1225</b>

### ***Support local industrial sector***

**June 25-26, 2022**, in Bulan-Sogottu village, Issyk-Kul oblast, the XVI Congress of specialists of the refrigeration industry of the Kyrgyz Republic was held. The participants of the congress learnt about general provisions of the Kigali Amendment and the minimum energy performance standards. The role and importance of a continuous cold chain in the food industry was discussed. The positive results of the introduction of free cooling systems at mobile communication stations

of Nurtelecom LLC were presented. Following topics were also considered and discussed: Ensuring the safety operation of refrigeration units working on ammonia, Propane and CO2 in commercial refrigerators, growth trend in the consumption of HFCs in Kyrgyzstan, Certification system for RAC specialists in Europe and Kyrgyzstan.

***Training of students from universities and educational organizations of secondary and primary educational organizations to prepare specialists for refrigeration and treatment industries***

Since 2008, Ecoholod RPA has been training refrigeration technicians. Also, other universities and vocational schools (VS) train specialists for the country's refrigeration industry. In particular, the department Machines and Devices for Food Production at Kyrgyz State Technological University named after I. Razzakov trains mechanical engineers in the field of refrigeration and air conditioning, VS No. 3, VS No. 93, VS No. 94 and VS No. 97 in Bishkek, VS at Kyrgyz-Uzbek University in Osh, Education Center Tehno trening center LLC and Education Center of Ecoholod RPA train electrical mechanics in the repair of refrigerators. Activities in this direction are carried out with the direct participation of members of the Ecoholod RPA.

Number of prepared refrigeration technicians in 2022 for the refrigeration sector of the Kyrgyz Republic

	<b>Educational organization</b>	<b>Number of prepared refrigeration technicians</b>
1	RPA Ecoholod	8 refrigeration technicians
2	KSTU n.a. I.Razzakov	no graduates
3	VS №3 Bishkek	40 electrical mechanics
4	VS №93 Bishkek	44 electrical mechanics
5	VS №94 Bishkek	27 electrical mechanics
6	VS №97 Bishkek	15 electrical mechanics
7	Tehno trening center LLC	25 refrigeration technicians
8	VS at Kyrgyz-Uzbek University, Osh	72 electrical mechanics
	<b>Total:</b>	<b>168 refrigeration technicians</b>

**Collection of data on the consumption of hydrofluorocarbons in the refrigeration, air conditioning and foam sectors**

**In March and April 2022**, databases of organizations working with the refrigeration, air conditioning and foam sectors were created, and large facilities using refrigeration equipment were also included.

**In April and May 2022**, working groups were established to carry out a survey on HFCs consumption in Kyrgyzstan. Questionnaires and tables for data processing were developed. The working groups started surveying and collecting data on HFC consumption and identifying the amount of equipment operating on HFCs and HCFCs in Chui oblast and Bishkek city.

**From May to August 2022**, data on HFC consumption in Chui, Naryn, Osh, Jalal-Abad, Issyk-Kul, Batken and Talas oblasts was collected, processed and analyzed.

**From September to November 2022**, all collected data was processed to calculate the level of HFC consumption in Kyrgyzstan, the level of imports and the bank of HFCs. An analysis of the amount of equipment operating on HFCs was made.

***Conducting a campaign to raise public awareness***

No.	Place	Date	Number of Participants (women)
1.	Bishkek, Republican Library for Children and Youth. named after K. Bayalinov	September 7, 2022	21 (20)
2.	Bishkek, School No. 69	September 16, 2022	31 (27)
3.	Bishkek, KSTU	September 16, 2022	30 (13)
4.	Bishkek, School No. 66	September 16, 2022	7 (7)
5.	Budenovka village, secondary school of Budenovka village	September 20, 2022	29 (27)
6.	Osh city, School No. 22	September 22, 2022	39 (35)
7.	Jalal-Abad city, School No. 9	September 23, 2022	28 (26)
8.	Bishkek, School No. 69	December 29, 2022	34

**September 7, 2022** at the Republican Library for Children and Youth n.a. K.Bayalinov, Bishkek city, a seminar was held jointly with the Center for Civic and Digital Education at Central Election Committee. At the seminar, it was told about the problem of sustainable development in the world and Kyrgyzstan, global environmental problems and about the behavior lines for sustainable development. The participants were given posters “Behavior lines for sustainable development”. 21 representatives of Department of Housing and Utilities attended the seminar.

**On September 16, 2022**, a seminar for teachers from different schools was held in gymnasium No.69, Bishkek. During the seminar, lecturers spoke in detail about the protection of the ozone layer and the Montreal Protocol on Substances that Deplete the Ozone Layer, sustainable consumption of products containing ozone depleting substances, the Kigali Amendment and the issue of climate change. It was told about sustainable development, world environmental problems and the main lines of behavior for sustainable development and how these skills can be introduced into everyone's daily life. The participants were given the following materials: 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”, brochure "Current state of the ozone layer", and "Montreal Protocol and SDGs". A total of 31 teachers and 35 schoolchildren took part in the seminar. The schoolchildren also prepared a performance on the topic of the ozone layer preservation.

**On September 16, 2022** at the Kyrgyz State Technical University n.a. I.Razzakov a seminar dedicated to September 16 "International Day for the Preservation of the Ozone Layer" was held. The purpose of this seminar was to increase the awareness of teachers and students about the

protection of the ozone layer, climate change, sustainable development and energy efficiency in refrigeration and heat pumps sectors. A report was presented on the topic “Model of a graduate in the field of Refrigeration, Cryogenic Engineering and Air Conditioning”. 6 teachers and 24 students attended the seminar. Brochures “The Montreal Protocol and the SDGs”, “Cold Chain Technology Brief: Vaccines”, “Handling Hydrocarbon Refrigerants, Installation and Service” and Guide for Handling Flammable Refrigerants were distributed. The university organized a competition for the best work on the topic “Protection of the ozone layer”, the students who submitted the best work were given prizes, they also presented their results at the seminar.

**On September 16, 2022**, the environmental action “Global cooperation to protect the ozone layer” was held at the Gymnasium-Educational Complex No.66 “School of Health and Development” in Bishkek. Participants learnt about the Montreal Protocol, the role of stratospheric ozone in protecting against harmful ultraviolet radiation. 11 year schoolchildren prepared reports and posters on the topic “Protection of the ozone layer and climate change”. 7 teachers and more than 100 schoolchildren took part in this event.

**On September 20, 2022**, the NOU organized a seminar in a secondary school in the village of Budenovka, Issyk-Ata region, Chui oblast. Representatives of the NOU spoke about the Montreal Protocol, its history and the Kigali Amendment, the schedule of HFCs phase down and the issue of climate change and its consequences. It was told about sustainable development, sustainable consumption and special behavior lines for sustainable development. 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 “The current state of the ozone layer” were distributed to participants. 29 teachers and 26 schoolchildren attended the seminar. 6-year schoolchildren showed a performance about World Ozone Day.

**On September 22, 2022**, the Ozone Center of Kyrgyzstan organized a seminar for teachers in the city of Osh at secondary school No. 22. The main topics of the seminar were protection of the ozone layer, climate change and the Montreal Protocol on Substances that Deplete the Ozone Layer, sustainable consumption of goods and problems of ecosystems in the world and in Kyrgyzstan, and behavior lines for sustainable development. Teachers were handed out 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 “Current state of the ozone layer”, “Protection from harmful ultraviolet radiation” and “Montreal Protocol and human health”. 39 teachers from schools of Osh city attended the seminar.

**On September 23, 2022**, a seminar for schoolteachers was held in Jalal-Abad city dedicated to World Ozone Day. At the seminar, it was told in detail about the protection of the ozone layer and the Montreal Protocol on Substances that Deplete the Ozone Layer, it was told about the dangers of UV radiation, ways of protection against harmful UV radiation. Deep information were given about climate change and its impacts and the Kigali Amendment to the Montreal Protocol. It was also told about the problems of sustainable development and sustainable consumption. The participants were given 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” and brochures “Current state of the ozone layer” and “Montreal Protocol and human health”. 28 teachers from schools of Jalal-Abad city attended the seminar.

**In 2022** the following literature was developed, published for technicians of the

refrigeration sector and representatives of various organizations and government bodies:

1. Interstate standards. Refrigeration and heat pump systems. Safety and environmental requirements, 100 copies
2. World Ozone Day Poster, 20 copies
3. Brochure "Heat pumps for heating systems", 200 copies
4. Leaflets "A customs officers quick tool for ODS screening", 100 copies
5. Poster "Lines of behavior for the sustainable development " in Russian language, 100 copies
6. Poster "Lines of behavior for the sustainable development" in the Kyrgyz language, 100 copies

### **List of official letters for the reporting period**

1. Letter to the State Customs Service on reporting on the import of ODS and their substitutes HCFC HFCs and natural refrigerants for 2021.
2. Letters to the organizations Buudan LLC, Storozhenko PE, Ovsyannikova PE Promkholod LLC, KaribeYug LLC, CJSC Shoro, Samsung Service LLC, OJSC Rembytteknika, PE Podkopaev, Lotar LLC, Vinterlux LLC, Ntek LLC, PE Ovsyannikova, China Petrol Company Junda LLC, Grant Profit Group LLC, CJSC Arpa named after N. Urmanbetova, Riman Company LLC, Holod Trade LLC and Rempromkholod LLC about reporting on the import of ODS, HCFCs, HFCs and natural refrigerants and blowing agents in 2021.
3. Letter to the State Tax Service on the provision of data on business entities in the territory of Kyrgyzstan that deal with refrigeration equipment and air conditioning systems with large processors, as well as organizations producing foam materials.
4. Letter to the Department of Medicines and Medical Devices of the Ministry of Health on the provision of data on the number of medical inhalers based on salbutamol with R-134a imported into the country
5. Letter to the State Border Service requesting information on the prevention of illegal import of ODS chlorodifluoromethane.
6. Letter to the State Customs Service with a request to control the actions of the employees of the Batken Customs Department in handling the seized cargo (16 cylinders of chlorodifluoromethane R-22) before its disposal
7. Letter to the Environmental and Technical Supervision Service under the Ministry of Natural Resources, Ecology and Technical Control about a request to investigate the import of methyl chloroform by Trans Caravan KG LLC.
8. Letter to the National Statistical Committee of the Kyrgyz Republic on the provision of data on business entities in the territory of Kyrgyzstan that deal with refrigeration equipment and air conditioning systems with large processors, as well as organizations producing foam materials.
9. Letter to the Fire Supervision Service of the Kyrgyz Republic on the provision of data on the number of existing automatic fire extinguishing systems containing HFCs



10. Letter from the State Border Service on the need for in-depth practical training and training for border officers at checkpoints in connection with the entry into force of Decision No. 30 of the Eurasian Economic Commission.

### *The international cooperation*

**February 9, 2022,** Turkmenistan KIP preparation – coordination meeting online. Participants discussed the initial tasks, plans for the next three months, as well as issues related to the KIP preparation with local and international consultants.

**February 16, 2022,** UNEP OzonAction's Regional Montreal Protocol Network for Europe and Central Asia meeting. UNEP OzonAction presented the results of the survey on forthcoming topics of the ECA meetings. Experts from Czech Republic reported on the country's approach to the management of fluorinated greenhouse gases and shared their experience from training programs for refrigeration and air-conditioning (RAC) technicians. They explained their approach to recovery, recycling and reclaim of refrigerants.

**March 2, 2022,** Free-of-charge REAL ALTERNATIVES webinar with short trainings on alternative refrigerants. Participants discussed international training for technicians focusing on flammable refrigerants and carbon dioxide and learnt about good practices for Flammable Refrigerants and Carbon Dioxide, and improved their understanding of how issues around safety and training in the use of low GWP refrigerants were addressed.

**March 16, 2022** ECA meeting on energy-efficiency in the context of the Kigali Amendment. Energy-efficiency experts from the RACHP sectors presented the status, trends and contribution of energy-efficiency policies and legislation, and energy-efficient technologies to energy conservation, climate protection and cost savings. Overview of activities and sector approaches in the context of Kigali HFC implementation plans and overview of best available and affordable technologies were made. How to multiply the benefits of the Kigali Amendment, how to promote energy efficient low GWP cooling technologies and how Kigali HFC implementation plans (KIPs) could be connected to energy efficiency were considered.

**April 13, 2022,** ECA meeting on certification schemes for RACHP technicians/companies, participants learnt about proposed changes in the EU F-gas regulation, including those related to certification of technicians and companies, the voluntary Real Alternatives training and certification scheme on alternative technologies. The mandatory training and certification schemes in Spain and Netherlands were presented, how to integrate good servicing practices into national technical and vocational education and training schemes for refrigeration servicing technicians were explained, and approaches and lessons from initiating a mandatory certification scheme in Armenia were presented.

**11 May 2022,** ECA meeting on calculation and allocation of HFC quota. Participants were explained the background of the HFC quota system in the European Union and lessons learned, experts shared Australia's experience in the HFC quota distribution system and the practice of assigning and calculating quotas in Australia. Ozone Secretariat demonstrated the blends tool that enables countries to calculate the amounts of controlled substances, mixtures and blends in CO<sub>2</sub>-equivalent tons.

**15 June 2022** ECA meeting on HFC Survey Methodologies. Meeting included overview of HFC Legislative and Policy Measures and KIP Preparation Projects in ECA network, guiding principles for elaborating the HFC Consumption Survey and Methodology to link the Kigali Amendment

with Paris Agreement. Participants discussed the Development of a National Cooling Plans and preparation to World Refrigeration Day 2022.

**11-16 July 2022**, forty-fourth meeting of the Open-ended Working Group and fifth extraordinary meeting of the Parties to the Montreal Protocol, Bangkok, Thailand. The meeting discussed topics such as energy efficient and low global warming potential technologies, institutional processes to strengthen effective implementation and enforcement of the Montreal Protocol, and presented the report of the Technology and Economic Assessment Panel for 2022.

**20-22 September 2022**, United Nations Environment Program (UNEP) and the Ministry of Environment of the Czech Republic are cooperating to organize the ECA meeting on Czech Republic's Montreal Protocol experience and the preparation of Kigali HFC implementation plans (KIPs) in Prague/Cheb, Czech Republic. The main topic of the meeting was Czech Republic's rich Montreal Protocol experience in various sectors. Participants discussed the preparation of Kigali HFC implementation plans (KIPs) and shared information and experience between National Montreal Protocol Officers and with participating experts

**19 October 2022**, ECA meeting on the management of refrigerant waste and financial incentives. Participants learnt about the ODS/HFC and RAC waste management and financing mechanisms. Top technical expert introduced the Extended Producers Responsibility (EPR) as a financial mechanism and thermal decomposition as a replacement for refrigerants incineration. Participants had a discussion on the availability of environmental funds in ECA countries, other financial incentives, and disposal options in place, and shared the lessons had learned and the most serious barriers.

**31 October–4 November 2022** Thirty-Fourth Meeting of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer Montreal, Canada. Participants discussed the issues of energy efficiency and technologies with low global warming potential, issues on the implementation of the Kigali Amendment and issues of compliance and reporting, and safety standards.

### **Cooperation with Enforcement bodies**

**In April 2022**, the Border Guard Service of Kyrgyzstan prevented the illegal import of the ozone-depleting substance chlorodifluoromethane (R 22) from Tajikistan to Kyrgyzstan. State Customs Service investigated the case. In July 2022, the State Customs Service completed the investigation, perpetrators were fined, and Freon 22 was sent for destruction.

### ***Regular reporting on the management of ODS to the Secretariat of the Montreal Protocol, the Multilateral Fund of the Montreal Protocol, UNEP, UNDP***

Data on ODS consumption in 2021 were sent to the Multilateral Fund of the Montreal Protocol in March 2022. Reports on the activities of the Ozone Center were sent to the UNEP Division of Technology, Industry and Energy in January 2022. Reports on the progress of the implementation of the HPMP in 2021 and financial reports were sent to UNDP in January 2022. The Article 7 report was sent to the Montreal Protocol Secretariat in June, 2022.

**In 2022**, there was conducted updating and replenishment with thematic information the following sites: [www.climate.kg](http://www.climate.kg), [www.ozonecenter.kg](http://www.ozonecenter.kg), [www.ecoholod.com.kg](http://www.ecoholod.com.kg). These websites are regularly updated as soon as new information appears.

All activities carried out within the framework of the project were covered in the main mass media of the republic:

- <http://ozonecenter.kg/>
- <http://www.climate.kg>
- <http://www.ecoholod.com.kg>
- <http://ekois.net/>
- <https://slovo.kg/>
- <http://www.akipress.kg>

**Head of NOU**



**Mars Amanaliev**