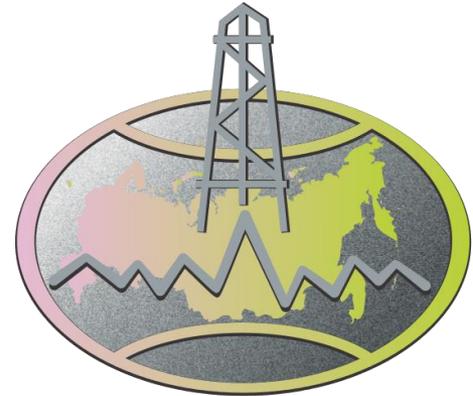


**Ministry of Natural Resources and
Environment of the Russian Federation**

Safeguarding the environment in Russia

The Ministry of Natural Resources and Environment of the Russian Federation

The Ministry of Natural Resources and Environment of Russia (MNRE) is a federal executive authority performing public policy making and statutory regulation in the field of natural resources, ecology, environmental monitoring, pollution control and other functions.



The Ministry is responsible for:

- creation and enforcement of policies and regulations dealing with the environment, including conservation, regeneration, forestry and wildlife protection;
- exploration, management and conservation of the country's natural resources, including the management of the water supply, mineral deposit development, and the exploration of the country's territory and continental shelf;
- regulating industrial and energy safety, and monitoring geological and earthquake activities and development of state policy and legal regulation in forestry affairs.

Safeguarding the environment

2017 is the Year of Ecology in Russia.

The programme is conducted in accordance with the Presidential Decree in order to attract public attention to the issues of Russia's ecological development, preservation of biological diversity and ensuring environmental safety.



The Ministry of Natural Resources and Environment of Russia as a responsible executive authority for implementation of the programme pursues ***the following principal goals:***

- preserve the natural diversity of floral and faunal species;
- prevent massive pollution of territories;
- reduce uncontrolled tree felling;
- protect the integrity of ecosystems;
- reinforce control over waste burial, including radioactive waste;
- prevent shortage of natural resources.

MNRE-GEF cooperation

Cooperation between the Russian Federation and the **Global Environment Facility (GEF)** is underpinned by the Decree of the Government of Russia No. 1063 of September 13, 1994 "On participation of the Russian Federation in activities of the Global Environment Facility".



The Ministry of Natural Resources and Environment of Russia, as the executive body responsible for environmental protection, was entrusted with the functions to support **cooperation with GEF** and ensure **coordination of its activities** in Russia.

GEF goals:

- maintenance of biodiversity and endangered species;
- combating climate change and greenhouse gas emissions;
- protection of international waters;
- combating land degradation;
- combating ozone depletion;
- control of persistent organic pollutants (POPs).

MNRE-UNIDO areas of cooperation

The Ministry of Natural Resources and Environment of Russia places great emphasis on long-standing collaboration with UNIDO and its *Centre for International Industrial Cooperation in Russia* (UNIDO CIIC) aimed at:

- promotion of green growth and sustainable energy;
- preservation and protection of the environment;
- creation of effective mechanisms for hazardous waste treatment;
- implementation of Russia's obligations under the major Multilateral Environmental Agreements (Montreal Protocol, the Stockholm Convention and others) within the framework of *GEF* activities.

Environmentally Sound Management and Final Disposal of PCBs at the Russian railroads network and other PCB owners (2014-2018)

Started in 2014 the UNIDO/GEF Project is aimed to establish the system for **PCBs management** in the Russian Federation within implementation of the **Stockholm Convention** on Persistent Organic Pollutants (POPs) provisions.

Key project directions: **capacity building** of the national environmental authorities, **updating the legislation**, developing environmental norms, standards and guidelines for PCB management.

The project is performed in cooperation with “Russian Railways” JSC, SUE “Vodokanal of St. Petersburg” and Gubkin Russian State University of Oil and Gas with the assistance of the **Ministry of Natural Resources and Environment of the Russian Federation**.



Market Transformation Programme on Energy Efficiency in GHG-intensive industries in Russia (2010-2017)

The main target of the UNIDO/GEF project is the development of **energy efficiency** in the Russian industry, through development of a systematic approach to efficiency and by assisting in the implementation of **energy management systems** (EnMS) in accordance with the **ISO 50001**.

The project:

- *Improves the skills and knowledge of Russian experts in the field of industrial energy efficiency;*
- *Improves energy efficiency and implementation of EnMS in small, medium and large enterprises of the Russian industry;*
- *Improves government capacity to design and implement an effective, long-term industrial energy efficiency policy.*

More than **40 events in 10 constituent entities** of the Russian Federation were attended by the major industrial partners of UNIDO CIIC. More than **150 people were trained**. They expressed appreciation for the work of the UNIDO international experts and the support of UNIDO CIIC.



Phase-out of HCFCs and promotion of HFC-free energy efficient refrigeration and air-conditioning in Russia through technology transfer (2011-2015)

The Project was initiated by the Ministry of Natural Resources and Environment, and organized by UNIDO and GEF that directly implemented and co-financed the Project.

The Project aims primarily at the direct phase out of 600 tons of ozone-depleting potential (ODP) of HCFCs (hydrochlorofluorocarbons) in the sectors engaged in production of foam and refrigeration equipment to achieve the 2015 target values envisaged by the Montreal protocol.

The second objective of the Project is to transfer innovative technologies within the framework of conversion of industrial enterprises that use HCFCs in the manufacturing process.



Phase-out of HCFCs and promotion of HFC-free energy efficient refrigeration and air-conditioning in Russia through technology transfer (2011-2015)

Impact and results:

- ***Ban of import*** of ODS-containing equipment into the Custom Union's territory (since 01.01.2013);
- Legal entities and private entrepreneurs are obliged to account produced, used, transported, stored, recuperated, reclaimed, recirculated, and destructed ODS;
- ***Criminal liability for illegal ODS import*** (smuggling) into the Russian territory was introduced
- ***Twelve beneficiaries in the foam sector*** had the opportunity to convert foam production to methyl formate, two of them (systems houses) received support in development, adaptation, and adoption of ozone-safe systems for production of PU foams;
- ***Two beneficiaries in the refrigerating sector*** had the opportunity to organize manufacture of refrigerating equipment based on carbon dioxide and hydrocarbons.

Identification, evaluation and prioritization of pollution “Hot Spots” within the Middle and Lower Volga river basin (2011-2015)

The purpose of the project was to improve water quality and reduce the negative impact of industrial activity at the regional level and in the cross-border area within the basin of Middle and Lower Volga, through the implementation of an integrated approach UNIDO to implement environmentally sound technology (TEST).



Impact and results:

- Hot Spots detected;
- Developed and implemented GIS system for the collection, processing information about water pollution and for prediction possible negative;
- Complex energy and resource audit of 7 enterprises;
- Establishment of the Volga International Cleaner Production Centre;
- UNIDO has built strong relations with the regional government of the Russian federation (GoR), where there is evident support for improving environmental management and reducing industrial pollution

Creation of a UNIDO BAT/BEP Centre for environmentally safe disposal of potentially hazardous consumer products and industrial wastes (2010-2017)

The overall objective of the project was to build capacity for environmentally safe management and beneficial utilization of out-phased consumer and industrial products in Russia.



The project has established environmentally sound management practices for collection, recycling, pollution prevention and environmentally safe disposal of hazardous consumer and industrial products particularly focusing at the ***electrical and electronic wastes*** and used ***rubber tires***.

Creation of a UNIDO BAT/BEP Centre for environmentally safe disposal of potentially hazardous consumer products and industrial wastes (2010-2017)

Particularly the BAT/BEP Project achieved the following results:

- International Centre for the best environmental technologies (ICBET) and WEEE Recyclers' Association were established.
- In the Republic of Tatarstan the company «Koltec-Kama» was built to recycle worn-out tires and use rubber crumbs for production of various construction materials.
- New version of the Waste Law (No. 89-FZ) was adopted, introducing the principle of Producer Responsibility and a number of other amendments.
- In the Moscow region, the «Environmental Management Center» has increased the volume of collected tires by 5 times.
- The professional technological platform «Secondary material resources» was established under the aegis of the Analytical Center for the Government of the Russian Federation.
- The possibility of independent implementation of the EPR principle by producers and importers of products was determined, which became an impetus for the creation of the production and consumption waste processing industry.

E-waste Academy for the CIS countries (2017)

In 2016 the **UNIDO Centre in Russia** and the **United Nations University (UNU)** have agreed to launch a joint project “E-Waste Academy for the CIS Countries” as a follow-up of UNIDO BAT/BEP Project in Russia.

The project has been implemented with the financial support of the **German Federal Environment Ministry** within the framework of its Advisory Assistance Programme for environmental protection. Within the project, a training course on major topics of e-waste management was provided to relevant **governmental institutions from the CIS countries** responsible for environmental protection and waste treatment.

The E-Waste Academy for the CIS countries is the next edition of the course on e-waste management developed by the international organization **SteP Initiative**, and is a result of the fruitful cooperation of the UNIDO CIIC in Russia and the United Nations University.



UNITED NATIONS
UNIVERSITY



UNIDO CIIC / NRC Kurchatov Institute Initiative

The *concept “Establishment of a new technological mode of modern industry based on nature-like technologies”* was proposed by UNIDO Centre for International Industrial Cooperation in the Russian Federation in cooperation with the National Research Center «Kurchatov Institute» upon Request of Russian President Vladimir Putin №Pr-1500, dated 29 July 2016.



The Initiative aims at development of projects and programmes for transfer of modern industry to *environmentally sustainable convergent solutions*.



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UNIDO CIIC / NRC Kurchatov Institute Initiative

According to the President Request ***NRC «Kurchatov Institute»*** and the ***UNIDO*** will take the lead on the implementation of this initiative and explore possibilities for:

- pilot or model project realization for transfer of modern industry to convergent solutions in Russia and other countries
- cooperation with ***EEU, BRICS*** and other alliances
- Development of ***innovative infrastructure tools*** for industry



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Thank you!