



RUSSIAN CARBON FUND  
turn-key sustainability services provider

# COMMUNICATION ON ENGAGEMENT REPORT

FROM: 2016-01-01 TO: 2018-08-01

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# Statement of Continued Support by the CEO

To our stakeholders:

I am pleased to confirm that Russian Carbon Fund reaffirms its support to the United Nations Global Compact and its Ten Principles in the areas of Human Rights, Labour, Environment and Anti-Corruption. This is our Communication on Engagement with the United Nations Global Compact. We welcome feedback on its contents.

In this Communication of Engagement, we describe the actions that our organization has taken to support the UN Global Compact and its Principles as suggested for an organization like ours. We also commit to sharing this information with our stakeholders using our primary channels of communication.

Sincerely yours,

Alexey Shadrin  
CEO



# About us

Fund's mission - unite society, science, business and state for sustainable development and environmental conservation. Together with leading science experts we develop and implement turnkey solutions that reduce non-financial risks and accelerate growth.

Our work involves interaction with major stakeholders – leading business structures, Federal and local governments, financial institutions, knowledge centers and NGOs. Our team expert team uses scientific knowledge and international standards to help business and state actors reduce environmental and social risks and implement win-win strategies for the benefit of the planet.

Since 2011 our efforts have helped leading business and regions successfully establish and implement sustainability strategies related to risk assessment, transparency, public engagement, efficient resource management, clean tech, internal and external sustainability communications.

## Member of



**United Nations**  
Global Compact



# Detailed information regarding programs and projects of the Fund

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**A program of integration of climate initiatives**

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A close-up photograph of green conifer branches, likely spruce or fir, filling the background. The branches are covered in dense, needle-like foliage, with some lighter green, younger growth visible on the right side. The lighting is soft, highlighting the texture of the needles.

# GREEN BREATH OF THE PLANET PROGRAM

Conservation and restoration of forests  
in Russia through establishing an efficient  
system of interaction between society,  
responsible business and the government

APRIL 17, 2017

## PRESENTATION OF THE PROJECT “FORESTS OF THE BAIKAL – NATURAL AND CLIMATE HERITAGE OF THE PLANET” IN THE CHAMBER OF COMMERCE AND INDUSTRY OF THE RUSSIAN FEDERATION

The Chamber of Commerce and Industry of the Russian Federation held a conference titled “Involvement of Russian business in international initiatives and programs for sustainable development of regions and better quality of life for Russian citizens”. Managers and participants of the national branch of Global Network, the largest UN initiative at a corporate level, discussed prospects for cooperation and shared best practices in the sphere of social and environmental responsibility. Russian Carbon Fund presented a program “Forests of the Baikal – natural and climate heritage of the planet”, the aim of which is to restore 1 million trees in Olkhon area of Irkutsk oblast by 2020.

The project will commence in September 2017 thanks to participation of corporate and social volunteers. Currently agreements have been reached with the Ministry of Natural Resources and Environment, Federal Forestry Agency and local authorities, which have approved a plot of land in Olkhon area of Irkutsk oblast. Transnational companies, which operate in Russia, also showed interest in the project.

“Nowadays forest restoration initiatives are being carried out all over the world”, says the Fund’s CEO Alexey Shadrin. He believes that the main driver is the opportunity to count the results of forest projects as carbon units, which are converted on the international market. Taking part in the Baikal project, the companies will be able to test this innovative “green” financial instrument and secure additional investments.

For trading carbon units, digital ecosystem DAO IPCI will be used. It is the first blockchain based platform in the world that is designed for monetizing environmental projects. Developers of this product from Russian Carbon Fund received invitations to several large conferences, including technological forum in New Orleans (USA) and climate conference Innovate4Climate in Barcelona. Law firm Baker McKinsey and IT giant Microsoft also provided support for the innovative project of Russian environmentalists.



Fund presented a program “Forests of the Baikal – natural and climate heritage of the planet”, the aim of which is to restore **1 million trees** in Olkhon area of Irkutsk oblast **by 2020.**

OCTOBER 1, 2017

## ENVIRONMENTAL CLEAN-UP EVENTS OF JSC SIBERIAN SERVICE COMPANY (SSK)

More than 350 workers from different branches of JSC Siberian Service Company have joined the annual campaign "Environmental Community Clean-up Days — 2017" and carried out cleaning activities and improvement of territories near office buildings.

In June in Novy Urengoy the ecological relay took place. The staff of the SSC's Yamal branch have decorated the flower beds near office to the delight of the citizens!

Moscow office employees went planting to the museum-estate of Kuskovo. There is a thirty-meter linden hedge thanks to their efforts so that the residents of the Eastern district can now admire well-groomed bosquets.

The drillers mowed lawns, put decorative fences, cleaned territories from waste. The staff of the Krasnoyarsky branch collected and carried off the Molokov island on the Yenisei River about 30 bags of waste! And in Tomsk 65 experts organized a spring cleaning of Tom Embankment.

Moreover, the exciting activity program was tailored for children of the employees. Young participants not only actively helped adults to plant trees and flowers but also participated in contests and flash mobs. In Nefteyugansk branch there was an ecology themed drawing competition for children with useful prizes and sweets. Besides, master class in ceramics took place in Moscow branch.

In total, 308 trees were planted in 2017. These growing trees will absorb 18 tons of CO<sub>2</sub> for their lives.

For the staff of the Siberian Service Company environmental community clean-up days are both an opportunity to make a contribution to the improvement of the environment and an excellent reason to gather together. The SSC is one huge team thus enabling a success of any collective activity.



Moscow office employees went planting to the museum-estate of Kuskovo

In total, **308 trees** were planted in 2017. These growing trees will absorb **18 tons of CO<sub>2</sub>** for their lives.



OCTOBER 1, 2017

## FOREST PLANTING NEAR ZVENIGOROD

In October, near Zvenigorod the volunteers engaged by Russian Carbon Fund restored four hectares of the forest which was destroyed by bark beetles. Reforestation near Hlyupino village in Moscow region, has been organized by means of the aluminum company Alcoa. More than 90 volunteers took part in this environmental event.

They were given pre-instructions by Hlyupinsky forestry workers and the head of the GAU MO "Centrleskhoz" Zvenigorod branch Sergey Sarmin. They were also showed how to use the equipment and plant young trees.

As a result, in five hours  
**16 thousand two-year pines** were planted and  
**4 hectares** of the forest were restored.



After being instructed the volunteers formed couples and started their activity with really inspiring modern music. For lunch they had buckwheat with vegetables accompanied with monastic pies and tea. As a result, in five hours 16 thousand two-year pines were planted and 4 hectares of the forest were restored. In several years they transform into a coniferous pine forest which will help to make air in Moscow area cleaner as well as promote Earth's climate protection.





# SUSTAINABLE EVENTS PROGRAM

Assistance in conducting events  
in accordance with international  
environmental standards



**AUGUST 12 – 14, 2016**

**THE FUND TOOK PART IN THE SECOND ARCTIC FESTIVAL “TERIBERKA. NEW LIFE” IN THE RURAL LOCALITY OF TERIBERKA IN MURMANSK REGION**

The festival on the shores of Barents Sea is held in the place where “Leviathan”, the first Russian movie that was awarded the Golden Globe, was filmed. In addition to the government of Murmansk region, the organizers of the festival include a project for development of provincial territories “The Big Land”, farmer cooperatives “LavkaLavka” (Moscow) and “Mark and Lev” (Tula region), and a fund for supporting civic engagement in small towns and territories “Prospect”.

Russian Carbon Fund attended the festival in Teriberka with the goal to discover new areas of growth for sustainable development of the Northern areas of Russia together with the expert representatives, businesses, and local communities. Issues discussed by the participants of the festival during open talks included protected areas, careful usage of bioresources and energy efficient technologies.



The Second Arctic Festival “Teriberka. New life”

**SEPTEMBER 14, 2016**

**RUSSIAN CARBON FUND AND CLIMATE OF RUSSIA BECAME THE MEMBERS OF AN EXPERT SEMINAR “SUSTAINABLE DEVELOPMENT OF BUSINESS IN RUSSIA: AREAS AND FORMATS OF COOPERATION” IN MOSCOW SCHOOL OF MANAGEMENT SKOLKOVO**

Expert seminar “Sustainable development of business in Russia: areas and formats of cooperation” took part in Moscow School of Management SKOLKOVO as a part of the Climate Diplomacy Week. Participants of the forum included Russian presidential advisor for climate Alexander Berditsky, minister counsellor of France’s embassy in Russia Frederic Mondoloni, EU’s ambassador to Russia Vygaudas Ušackas, representatives of companies Unilever, DSM Sinochem Pharmaceuticals, Siemens, Enel Russia, UPM Russia, Rusal and Russia’s Ministry of Energy.

The purpose of the seminar “Sustainable development of business in Russia: areas and formats of cooperation” was to bring together representatives of European and Russian business and all interested parties in order to discuss best practices of cooperation and existing barriers based on Russian experience. In addition, the goal was to determine possible areas for joint realization of projects, which would contribute to development of sustainable business models in Russia.

**OCTOBER 17, 2016**

## **VI RESEARCH AND PRACTICE CONFERENCE “ENVIRONMENTAL PROBLEMS OF MOSCOW REGION”**

On October 17, Department of Natural Resources Management and Environmental Protection of Moscow organized the VI Research and Practice conference, which was dedicated to the environmental problems of Moscow region.

As a part of the event, representatives of federal ministries, regions of the Russian Federation and CIS countries, as well as experts and senior managers of large companies, discussed the issues of preservation of natural heritage and improving environmental security. The topics included green construction methods, environmentally oriented government procurement, improving energy efficiency, best available technologies, scientific and technological approach for solving environmental problems of metropolitan cities and implementation of IT technologies.

**NOVEMBER 15, 2016**

## **RUSSIAN CARBON FUND REACHES THE FINAL OF THE THIRD MOSCOW ECORESIDENCE**

Ecoresidence removes borders between ecoprojects and other spheres of entrepreneurship and aims to unite the two parts of the community. The event held on the 14th-15th of November brought together experienced and conscious enterprisers and environmental activists in order to impart up-to-date skills and knowledge, strengthen business models with new competitive advantages and consolidate networks with new contacts of future colleagues and partners.

In the final of the Third Moscow Ecoresidence the Fund was awarded the prize “Ecoresident of the year”. We thank Mospriroda and Department of Natural Resources Management and Environmental Protection of Moscow for acknowledging our contribution to conservation of natural heritage and sustainable development of the city!



In the final of the Third Moscow Ecoresidence the Fund was awarded the prize “Ecoresident of the year”



JANUARY 13, 2017

## THE FUND JOINED SDSN NETWORK DURING GAIDAR FORUM

The first session of the Russian branch of SDSN took place at the Gaidar Forum 2017 in the Russian Presidential Academy of National Economy and Public Administration (RANEPA). This network includes organizations that have been authorized by UN to promote to sustainable development of the world.

SDSN was created in 2012 as an initiative of UN Secretary General Ban Ki-moon. The association aims to mobilize scientific and technical potential of academic circles, civic society and private sector to solve the problems of transition to sustainable development at local, national and global levels. Today, national divisions of SDSN operate in more than 80 countries and unite more than 500 organizations. Russian Carbon Fund joined the network in 2016.

The work of the Russian branch is coordinated by RANEPA, which hosted its first meeting on January 13. During the session, CEO of Russian Carbon Fund Alexei Shadrin presented the results of the five-year work of the Fund and spoke about its plans for the Year of Ecology and specially protected natural areas.



JANUARY 24, 2017

## CEO OF THE FUND SPOKE ABOUT CLIMATE RISKS DURING THE PRESENTATION OF THE RATING OF SUSTAINABLE CITIES

The Analytical Centre for the Government of the Russian Federation presented the sustainability ranking of Russian cities for the year 2015. It was prepared by SGM agency.

Sustainable development ranking-2015 encompasses 179 cities with population exceeding 100,000 people, which are located in 80 Russian regions. Alongside with Moscow, St Petersburg and Ekaterinburg, the highest rated 20 cities included Krasnogorsk, Mytishchi and Domodedovo, which are located in Moscow region. Also included in the leading cities were Russia's oil and gas centers – Surgut, Tumen, Nizhnevartovsk, Nefteyugansk and Novy Urengoy. Mono-cities of the Urals and Western Siberia, cities of Crimea and Northern Caucasus are at the bottom of the rankings.

During the discussion, the CEO of Russian Carbon Fund Alexey Shadrin suggested updating information on greenhouse gas emission and cities' adaptation to climate change. "For the second year in a row, climate change has been recognized as the main threat to the world economy. This is why a report on sustainable development of the cities should include information about measures that are being taken by the administration in order to lower climate risks", the expert believes.

**MAY 15 – JUNE 15, 2017**

## **ALL-RUSSIAN CLIMATE WEEK WITH RUSSIAN CARBON FUND**

From May 15 to June 15, the first All-Russian Climate Week took place. More than 400 events were held during this program which included public lectures, scientific and educational events, round tables, visits to facilities and practical workshops.



Общероссийская  
климатическая  
неделя

Russian Carbon Fund took active part in organizing Climate Week:

- Joint seminar with KPMG “Best practice of building a system of corporate monitoring, reporting and management in the sphere of energy efficiency and greenhouse gas emissions” and a round table “Strategy for low-carbon development of Moscow region” organized jointly with the Ministry of Natural Resources and the Environment of the region.
- In addition, a team of designers from the Fund developed an official logo of the Climate Week. Another landmark project of the Fund was the preparation of a series of Paris Climate Agreement-related infographics that has become the example of this on the Russian Internet.
- Moreover, the Fund’s CEO Alexey Shadrin gave a speech on Public Television of Russia regarding prevention of climate change.
- Russian blockchain platform for carbon assets was presented at the climate week for innovative financial and market decisions at the Barcelona Innovate4Climate conference.

All-Russian Climate Week is conducted within the Year of Ecology in Russia in accordance with the decision of the Interdepartmental workgroup under the Presidential Administration of Russia, which is in charge of the issues related to climate change and provision of sustainable development.

**JUNE 13, 2017**

### **ROUND TABLE DISCUSSION “STRATEGY FOR LOW-CARBON DEVELOPMENT OF THE MOSCOW REGION”**

A round table discussion “Strategy for low-carbon development of the Moscow region” was organized jointly by Ministry of the Environment of Moscow region and Russian Carbon Fund within the All-Russian Climate Week. During the event, Alexei Kogan, the Minister of Natural Resources and the Environment of the Russian Federation, announced that the Ministry of the Environment of Moscow region would conduct monitoring of the level of greenhouse gas emissions in the region.

Participants of the round table discussion included Russian and international experts in energy, waste management, transportation, forestry and finance, as well as representatives of startup companies and governments of Russian regions.

The event was hosted by the Government of Moscow. It brought together leading representatives of business, expert community and relevant governing bodies of Russian regions. The results of the round table and suggestions of the experts will be distributed to all Russian regions in order to provide incentives for development of new technologies and to execute the President’s directive of moving towards environmentally sustainable development.



**AUGUST 22, 2017**

### **PANEL DISCUSSION ON A CLIMATE FORUM OF RUSSIAN CITIES: “BLOCKCHAIN IN ECONOMICS, ECOLOGY AND ENERGY OF SMART CITIES”**

On August 22, a panel discussion took place in Manezh within the Climate Forum of Russian Cities. It was dedicated to the most widely discussed issue of the summer: “Blockchain in economics, ecology and energy of smart cities”.

Like the rest of the world, Russia is standing on the brink of technological revolution, which is radically changing the pace and the methods of solving economic and environmental challenges that people are faced with.

Russian Carbon Fund invited leading international experts, who are already working on creating a decentralized world for efficient and fair distribution of the natural capital of the planet.



Gajanana Hedge, UNFCCC Secretariat



For the first time representatives from crypto-communities in China, Great Britain, Switzerland, Denmark and Germany met in order to discuss new distributed economics of smart cities.

The main spokesperson was Gajanana Hedge, a high-ranking official of UNFCCC and one of the developers of economic mechanisms of the Paris Agreement. He discussed how the “global government” is trying to save the world from climate catastrophe with blockchain technology.

Key topics:

- Decentralization – a cornerstone of the new system of global climate politics and finance
- Markets of environmental values – a key innovation, in which Russia is yet to participate
- Blockchain technologies – an impulse for sustainable development of energy of smart cities
- Presale of MITO, tokens of mitigation, DAO IPCI – the first blockchain protocol for carbon markets and environmental financial instruments

Signing of an agreement for joint development of cyber technologies for green finance and energy between Russian Carbon Fund and Chinese company Blockchain Energy Labs became the high point of the plenary session. “We want to contribute to development of green economy and finance. Usage of blockchain technology will allow the significant broadening of opportunities for cooperation between Russia and China”, said Cao Yin. Partners and other members of the panel session will focus on creating an international non-profit organization for research and development of a global ecological cryptocurrency. The parties have also agreed to contribute to advancing blockchain technology in their countries in order to stimulate growth of green economy and fight against climate change all over the world.



Signing of an agreement for joint development of cyber technologies for green finance and energy between Russian Carbon Fund and Chinese company Blockchain Energy Labs

**SEPTEMBER 29, 2017**

**RUSSIAN CARBON FUND BECAME A CO-ORGANIZER OF THE SESSION “INNOVATIONS FOR THE CLEAN FUTURE: RUSSIAN STARTUPS THAT ARE CHANGING THE WORLD” HELD AT THE CONFERENCE “MANAGING CHANGE. ECOLOGY”**

A conference of Project +1 “Managing change. Ecology” took part in Moscow on September 29. The topics related to anthropogenic influence on climate change, which threatens economy and human health, were discussed in a format of expert battles. The Fund acted as a co-organizer of the session and presented a new ecoproject. The head of the organization Alexei Shadrin spoke about opportunities that it presents, as well as about “green” startups and innovations in Russia.

**OCTOBER 27, 2017**

**RUSSIAN CARBON FUND TOGETHER WITH SDSN RUSSIA HELD A CLIMATHON IN RANEPА – A GLOBAL 24-HOUR HACKATHON ON SOLVING THE PROBLEM OF CLIMATE CHANGE**

Climathon is a global 24-hour hackathon on solving the problem of climate change. On October 27, innovators, entrepreneurs, students and experts came together to find solutions for the problem of waste management in Moscow. The topics for discussion were:

- waste collection
- waste sorting
- waste treatment
- robotisation
- Internet of things and IT in waste management

In 2017, Climathon was held on the threshold of the World Climate Conference COP23. It took place in 240 cities in 34 countries on six continents simultaneously. Media coverage reached more than 15 million people all around the world.



DECEMBER 12, 2017

## THE FINAL OF A CONTEST OF YOUNG PEOPLE'S ECOSTARTUPS AT THE INTERNATIONAL EXHIBITION AND FORUM ECOTECH

The final of a contest of young people's ecostartups and sustainability projects Climatron took place on December 12 within the business program of the first day of the Forum Ecotech-2017.

In the end of October, corporate partners of Climatron formulated problems of sustainable development of their businesses in Russia. Those problems were being solved simultaneously by technological startups and case teams. In the semifinal in MGIMO, the best teams from both sections were selected. In the final on Ecotech joint teams comprised of people with technical and humanitarian background proposed complex solutions, consisting of technology and ways for its implementation.

Winners of the contest – students and PhD students – received grants and prizes from the involved corporations, as well as fought for the opportunity to present their project before the top-managers and representatives of government entities.





# ENVIRONMENTAL EDUCATION PROGRAM

Promotion of environmental awareness  
among the youth and building the culture  
of responsible consumption

NOVEMBER 24, 2016

### III INTERNATIONAL CONFERENCE “SUSTAINABLE UNIVERSITIES FOR THE CLEAN FUTURE” AND CREATION OF THE ASSOCIATION OF GREEN UNIVERSITIES. FINAL OF THE CONTEST CLIMATRON

This year the topic of the conference was “Green economy of EEU”. The event brought together around 250 students, professors, experts and representative of business community. Welcome speeches were given by Special Representative of the President of the Russian Federation on the Issues of Environmental Activities, Environment and Transport Sergei Ivanov, Vice Minister of Energy of Kazakhstan Gani Sadibekov and a member of the State Duma Committee for Ecology and Environmental Protection Alexander Fokin.

#### RESULTS OF THE CONFERENCE-2017

200 representatives of the leading universities of EEU, authorities and business leaders.

Establishment of the Association of Green Universities of EEU (Memorandum on the establishment of the association was signed by representatives of MIEP MGIMO, Belarusian State University, Moscow Power Engineering Institute, Russian State Social University, Moscow State University of Railway Engineering and Moscow University for the Humanities).

Distribution of awards of a contest of young people’s eco-startups “Climatron” (the format of 2016 was innovative: participants included representatives of the best case-clubs of EEU, who suggested strategies for implementation of technologies that had been selected among the environmental startups in the semifinal. Another “novelty” – nominations of the contest. Each of them was presented in a form of a real problem of sustainable development of business, phrased by a partner of the award. In total, this year 24 teams from 12 universities of Russia, Belarus and Kazakhstan took part in “Climatron”.

The event was certified according to the standard ISO 20121 “Management of a sustainable event” (the certificate was awarded to the representatives of Russian Carbon Fund by the director for certification of Bureau Veritas Certification Rus Evgeniy Shipilov. This document is a guarantee of minimization of environmental impact of the event).

Exhibition of environmental technologies and educational programs of 10 universities of EEU (the title of the brightest project was awarded to the green roof of Moscow State University of Civil Engineering, which was being tested and was about to appear on one of the roofs of the University. The exhibition was decorated with stands and interior design items made of honeycomb cardboard, and with green walls.)





DECEMBER 9, 2016

## ECOPOLIS – AN INTERACTIVE TEXTBOOK ON SUSTAINABLE DEVELOPMENT OF TERRITORIES

On December 9 in Moscow Centre of Ecology, Regional studies and Tourism for Children and Youth in the presence of teachers, representatives of Moscow authorities and businesses, Russian Carbon Fund presented Ecopolis – an interactive textbook on sustainable development of territories.

According to the Russian Ministry of Nature, every year Russia loses 2.5 to 4% of GDP due to environmental problems. Cities suffer first as they are threatened by air pollution, abnormal heat, flooding, accumulated waste etc. Environmental challenges require the training of new leaders, who possess complex knowledge in the field of environment protection.

Ecopolis was created by the joint effort of the leading experts of the Government of Moscow, UN, Russian Carbon Fund and Fund “Our Future”, authors of the Red Book of Moscow, representatives of the Council for green building and civic organisations – RosEco, CleanGames and Velomost. The project was supported by Moscow departments of transportation and fuel & energy.

South-East Administrative District of Moscow was chosen as a pilot territory for the project, as it is the most interesting area in terms of opportunities for ecological development. Alongside specially protected natural areas, modern polyclinics, playgrounds and Centers for Innovative and Creative Activities of the Youth, many industrial enterprises are located there.

PJSC Gazprom Neft provided considerable support for the project Ecopolis. In 2011, this company took ownership of Moscow refinery – the largest enterprise in South-East Administrative District. After this, extensive modernization was commenced at the refinery, and it will continue until 2021. Gradually the refinery is becoming the most advanced in terms of technical and ecological parameters due to implementation of best available technologies of production and nature protection, which the textbook details.

In addition to the textbook, Ecopolis includes a set of educational and play materials, such as question cards, posters “What is ecological footprint?” and “How to reduce climate impact?”, as well as a teacher’s manual. The project implements creative educational solutions - popular scientific texts, infographics, non-standard creative tasks and augmented reality. The latter allows several images on the pages of the textbook to become “alive” using smartphones and tablets. This is how schoolchildren can learn about animals from the Red Book of Moscow, production



“We created Ecopolis with a purpose of informing schoolchildren about the challenges of and opportunities for sustainable development, where economic, ecological and social factors would be equally important and interconnected”,

Alexei Shadrin  
CEO  
Russian Carbon Fund

processes and green technologies.

During the presentation, sets of educational and play materials Ecopolis were presented to the delegates of 100 schools in South-East Administrative District of Moscow. Starting from Monday, December 12, a course of supplementary education will be launched in those schools basing on the textbook. As a result of the course, a series of school projects based on Ecopolis will be presented at the VI Moscow city competition of socially important school ecoprojects in February of 2017, which is a Year of Ecology in Russia. Children and adolescents will be able to implement their knowledge in practice, and teachers will earn rating points and compete for the title of the best teacher in Moscow.

**JANUARY 12, 2017**

### **A CONFERENCE “YEAR OF ECOLOGY: NEW EDUCATIONAL PROJECTS FOR SCHOOLCHILDREN”**

On January 12 a press conference “Year of ecology: new educational projects for schoolchildren” took place in the Department of Education of Moscow. Textbook Ecopolis and educational projects ECO-Saturdays, Green School and Youth for the Nature of Moscow were presented during the event. The speakers of the press conference were Alexei Shadrin, CEO of Russian Carbon Fund, Dmitry Morgun, director of Moscow Centre of Ecology, Regional studies and Tourism for Children and Youth, Marina Argunova, professor of Moscow Institute of Open Education (MIOO) and Olga Alpatova, the head of the environmental education division of Moscow Department of Nature and Environment Protection “Mospiroda”.

Dmitry Morgun announced the launch of ecological project Green School. “The purpose of the project is to spread and develop environmental values among children, youth, parents and teachers. The project target is that within a year Moscow schools voluntarily conduct self-auditing and will be assessed by experts according to various environmental indicators. The best “green” schools will be selected in the autumn 2017. Alexei Shadrin expressed support for Green School and mentioned that representatives of the State Duma and Moscow City Duma approved this project. He also noted that in the Year of Ecology support for the initiatives related to environmental education increased from the partners in legislative and executive branches of power.





**FEBRUARY 1, 2017**

## **RESEARCH AND PRACTICE CONFERENCE “ENVIRONMENTAL EDUCATION AS A RESOURCE FOR SUSTAINABLE DEVELOPMENT”**

In March, 2017 Russian Carbon fund team developed the questionnaire for Sanofi employees to identify their interests and knowledge in the field of ecology and sustainable development. Through questionnaire the team found out about the employees’ attitude to the major environmental problems, volunteering and also defined the most effective communication channels. The data obtained was then used for the preparation of the internal communication program aimed at the employees’ loyalty increase through environmental and responsible consumption education. Through the participation employees contributed to sustainable development of the city and country.

**JULY 13 – AUGUST 13, 2017**

## **ECOSPOT – A SUMMER ECOCENTRE IN THE PARK OF ARTEM BOROVIK**

EcoSpot is a new format of social space organized by Russian Carbon Fund with support of the program of social investments “Hometown” of PJSC Gazprom Neft. The goal of the project is to improve quality of life in the region by ameliorating urban environment, increasing attractiveness of park areas, broadening opportunities for self-realization of citizens and creating conditions for comfortable living.

During this month, experts in different spheres of ecology and sustainable development have given a series of lectures to local people on separate collection of waste, household energy saving, ecodriving, solar energy, environmental businesses and green entrepreneurship, professions and cities of the future.

“Every Russian city or even every region of a city needs its EcoSpot. It is a people- and eco-friendly space, which naturally fits into the landscape. Its objective is to bring together citizens, businesses and representatives of authorities, who can jointly develop a strategy of sustainable development for our country. We invited leading experts in modern-day ecological knowledge who will share practices of healthy, cost efficient and ecological lifestyle.

On the grounds of the lecture hall, modern environmental infrastructure was created: containers for separate waste collection, bike parking and solar panel-based chargers were installed.



**NOVEMBER 20, 2017**

### **RUSSIAN CARBON FUND AND MGIMO SIGNED AN AGREEMENT ON COOPERATION**

On November 20, MGIMO and NGO Russian Carbon signed an agreement on strategic partnership and joint activities.

Russian Carbon Fund was founded in 2011 by a graduate of International Energy Policy and Diplomacy Institute (MIEP MGIMO) Alexei Shadrin. Since then, the organization has become one of the leading Russian knowledge hubs in sustainable development. It brings together society, business, experts and authorities for preserving Russia's natural heritage and Russia's transition to new technology-based economy.

Collaboration aims to create common ground for promoting the ideas of sustainable development, green economy, environmental management in business development.

MGIMO rector A. V. Torkunov highlighted the importance of strategic initiatives in ecology with involvement of ecology students of the School of Applied Economics and Commerce in MGIMO for participation in joint projects on environmental education and enlightenment.

**NOVEMBER 30, 2017**

### **SET OF INNOVATIVE EDUCATIONAL MATERIALS ECOPOLIS RECOGNIZED AS A WINNER AT THE FAIR OF ENVIRONMENTAL PROJECT IN MOSCOW REGION**

On 30th November 2017, Ministry of Natural Resources and Environment of Moscow region summarized the results of the Fair of environmental projects. Certificates were awarded to the winners in the conference hall of Russia Today news agency.

At the Fair, Russian Carbon Fund presented innovative textbook Ecopolis, which uses augmented reality. The project received recognition from experts and the jury at the round table "Investor council of the Fair of ecological projects in Moscow region. Presentation and defense of projects" and was awarded the first place by the Minister of Natural Resources and Environment of Moscow region Alexei Kogan and the First Deputy Director of the autonomous NGO "Agency for Technological Development" Vadim Kulikov.

MAY 31, 2018

## SUMMARISING RESULTS OF A COMPETITION OF SCHOOL ECOLOGICAL PROJECTS ECOCITY-2018 IN HOST CITIES OF FIFA WORLD CUP-2018

Ecocity-2018 is an educational program created by the Organizing Committee “Russia-2018” jointly with the Fund for support and promotion of ecological projects Russian Carbon specifically for the schoolchildren of the host cities of World Cup 2018.

Materials of the program were developed with the participation of the staff of the Institute of Geography of Russian Academy of Science, RANEPa, National Research Institute Higher School of Economics, Moscow Automobile and Road Construction University, social and international organizations, as well as Nobel Prize winner and member of the Intergovernmental Panel on Climate Change (IPCC) Igor Bashmakov. The program describes sustainable development and best practices of environment protection implemented by organizers of FIFA World Cup in an interesting and comprehensible manner. In addition, it offers materials for interactive studying and individual work.

The technology of augmented reality helps to raise interest of schoolchildren towards the issues of ecology and sustainable development, as well as to visualize many complicated notions and processes, such as work of hydropower plants, system of floodgates, green building and passive homes, closed economy, renewable energy and greenhouse effect.

Educational program “Ecocity-2018” was launched in the beginning of April and was introduces in 132 schools in 11 host cities of FIFA World Cup 2018 for more than 11,000 children. At the end of the course, children presented their own projects on environment protection.

The winners of the competition, a team from School 1228 Lefortovo, presented a project on studying and preservation of bird species in their region. Children issued a bird atlas with audio attachment. For the guests of the World Cup they prepared special leaflets, where the guests were invited to visit Lefortovo and see the birds that they had not come across in their countries. Grand Prix of the competition was awarded to a student of 5th grade Alexandra Koldubaeva – she created a video, which very clearly explains the rules of separate waste collection; in particular, for different types of plastic.



“Today Ecocity-2018 is the most innovative educational material in urban sustainable development in the world. Owing to the partnership with Organizing Committee of “Russia-2018” we managed to implement Ecocity-2018 in 11 regions and to execute the program of supplementary education.”

Alexei Shadrin



A solar plane is silhouetted against a bright sunset sky over the ocean. The sun is low on the horizon, creating a strong lens flare and reflecting on the water. The sky transitions from a deep blue at the top to a bright yellow and orange near the horizon. The plane's long, thin wingspan is a prominent feature, stretching across the upper half of the frame.

# CLEAN TECHNOLOGIES PROGRAM

Assistance in development of the market of clean technologies by supporting promising national projects and importing best available technologies

**OCTOBER 12 – OCTOBER 14, 2016**

### **THE FIRST TRADE FAIR OF BRICS WAS HELD IN INDIA'S CAPITAL NEW DELHI**

The goal of the work trip was to present Russia's best available clean technologies for expanding economic, industrial and technological cooperation.

Russia organized its own exposition at the exhibition in India: in addition to Russian Carbon Fund, more than 43 companies took part in it. They included JSC Russian Export Center, JSC Russian Venture Company, Federal Medical and Biological Agency, PJSC Sberbank, Russian Helicopters Holding, JSC Russian Railways etc.

The exhibition was organized by Federation of Indian Chambers of Commerce & Industry (FICCI).

Delegation of Russian Carbon Fund conducted high-level negotiations with three ministers of the Government of India, representatives of leading corporations and academic community. It also established trade and diplomatic relations with BRICS countries. Following from the results of BRICS forum, the Fund received a message of gratitude from Ministry of Economic Development.



**NOVEMBER 8 – NOVEMBER 11, 2016**

### **THE FUND AT THE 20TH INTERNATIONAL EXHIBITION OF GREEN TECHNOLOGIES ECOMONDO IN RIMINI**

The Fund presented Russian innovative projects at the 20th International exhibition of green technologies Ecomondo in Rimini, which took place from November 8 until November 11, 2016.

During the exhibition, management and experts from leading companies, as well as representatives of research centres and governing entities of the European Union presented modern-day environmentally safe technologies of waste and renewable resources management, usage of water and wastewater, revegetation of territories, air treatment and cleansing.

In Russia ECOMONDO exhibition is represented by the Italian-Russian Chamber of Commerce.



DECEMBER 5 – DECEMBER 7, 2016

## THE FUND AT CHINA ECO-DEVELOPMENT FORUM IN BEIJING

Presentation of clean technologies of the Fund took place at China Eco-Development Forum in Beijing on December 5 – December 7, 2016.

The Fund's CEO Alexei Shadrin presented Russia's best available clean technologies for expanding economic, industrial and technological cooperation.

The key topics of the exhibition were renewable energy, energy efficiency, smart cities, start-ups etc.

Government of China, authorities of Xinhua University, US Environmental Protection Agency (EPA), investment funds and corporations took part in the exhibition.





A satellite image of Earth showing a large, swirling storm system over the Pacific Ocean. The storm has a distinct eye and is surrounded by dense, white clouds. The surrounding ocean is dark blue, and some landmasses are visible in the background.

# A PROGRAM OF INTEGRATION OF CLIMATE INITIATIVES

Harmonization of principles and rules of implementation of projects and programs aimed at reduction of greenhouse gas emissions



**MAY 24, 2016**

## **LAUNCH OF BLOCKCHAIN-BASED CARBON REGISTER**

On 24 May 2016 the Conference on green economy and low-carbon development at the Russian Institute for Strategic Studies brought together leading Russian experts on climate policy and sustainable development to introduce the Integrated Program for Climate Initiatives (IPCI) and the establishment of IPCI-based Carbon Registry. The launch of Carbon Registry by Russian Carbon Fund provides grounds for creation of basic carbon market institution in Russia.

Organized by Russian Carbon Fund, social movement Green Russia, Russian Institute of Strategic Studies and Ecom, the event gathered state representatives, sustainable business leaders, Russian and international experts to discuss options for Russian pilot carbon emissions limitation and reduction model.

The aim of the conference was to promote economic approaches for the development of low-carbon strategies based on direct and explicit inclusion of environmental costs into regular economic activities to enhance environmental integrity and competitiveness of Russian economy in the global scale.

The most prominent outcome of the conference was the official presentation of the IPCI-based Carbon Registry introduced by the CEO of Russian Carbon Fund Alexey Shadrin.

The Carbon Registry, a key element of the IPCI, is a tool for creation and management of carbon units that allows participants to record projects and to issue, track, transfer and retire mitigation outcomes (including carbon credits). Progressive IT-concept and platform under development would enhance the Carbon Registry infrastructure, transparency, efficiency and scalability necessary for the launch of Russian carbon market.

To ensure the best market practices and add value to climate projects and carbon units, the Carbon Registry applies robust IPCI requirements and criteria to confirm eligibility of GHG emissions reductions. In accordance with the eligibility criteria, project proponents, willing to be listed in Carbon Registry should justify that the mitigation outcomes, carbon emission reductions are actual and absolute, verified by an independent entity, quantitatively measurable, irreversible, permanent or long-term, secure or insured, additional or target-oriented, not otherwise required by compulsory regulations units of anthropogenic GHG emission reductions or removals by sinks.



**MARCH 14, 2017**

## **RUSSIAN CARBON FUND AND AERA GROUP CONDUCTED THE FIRST CARBON TRADE ON BLOCKCHAIN TRADE PLATFORM DAO IPCI**

The first trade in history of carbon units through a blockchain platform was conducted through a digital platform DAO IPCI. The first transactions were made on Tuesday, March 14, between Russian Carbon Fund and Aera Group – investor in African ecological projects. Transfer of carbon units was made possible because by blockchain system DAO IPCI, which was developed with IT support of the company Airalab.

The objective of the initiative is to attract “green” investments into Russian and international ecological projects, as well as to prepare for ratification of Paris Climate Agreement. By purchasing carbon units, the companies will be able to make their goods and services carbon neutral, and citizens will be able to neutralize their personal carbon footprint.

**MAY 2 – MAY 4, 2017**

## **DAO IPCI PROJECT WON AN INTERNATIONAL COMPETITION PLANET TECH!**

As winners of the competition PlanetTech, our team was invited by international consultants of Accenture Strategy to participate in the conference Collision. In total, 2000 applications from all over the world were sent to the competition.

During the conference, representative of DAO IPCI Alexei Shadrin gave a speech at a round table of Accenture and conducted negotiations with international corporations and investors of Silicon Valley. The international community has a huge interest for the project.

Following the results of the trip, DAO IPCI and Accenture Strategy agreed to continue cooperation and to organize a private presentation for company's clients. One of the ideas is to organize a consortium of international companies – Accenture clients – with a purpose of joint investment in developing a blockchain module for monitoring supply chain.



MAY 22 – MAY 26, 2017

## PRESENTATION OF THE BLOCKCHAIN PLATFORM FOR CARBON UNITS AT INNOVATE4CLIMATE – CLIMATE WEEK FOR INNOVATIVE FINANCIAL AND MARKET SOLUTIONS IN BARCELONA

DAO IPCI (blockchain platform for operations with carbon units) aroused great interest of key participants of carbon markets and markets of green finance at the international summit Innovate4Climate. This confirmed their confidence in the large potential of the project and large opportunities for synergy between participants of carbon market in blockchain ecosystem.

More than 1500 participants from 82 countries on five continents participated in the first yearly summit Innovate4Climate, which became a great success for DAO IPCI team and confirmed that the business model was a correct choice. Agreements on implementation of practical steps were reached with UNFCCC, World Bank, leaders of Verified Carbon Standard, Gold Standard, CarbonTradeXchange and other key participants of climate business community.

The event organized by World Bank and Fira de Barcelona in cooperation with leading international climate associations brought together all the key players who are capable of attracting the billions of dollars of investments that are required for attaining the goals of Paris Climate Agreement.

Investors expressed clear interest in the company that will continue developing the blockchain ecosystem, which became the practical result of the summit for DAO IPCI team.





JULY 7, 2017

## RUSSIAN CARBON FUND BECAME A MEMBER OF FOUNDATIONS 20 WITHIN THE G20 SUMMIT IN HAMBURG

Russian Carbon Fund became one of the first 45 co-founders and the only Russian founder of Foundations 20 – an international platform for interaction between funds of G20 countries on the issues of sustainable development, low carbon economy and fight against climate change.

The goal of the Fund within F20 is to promote Russian green technologies on international markets, present blockchain ecosystem for green finance DAO IPCI, share best practices and create a new positive image of our country.

During business events Russian Carbon Fund's CEO Alexei Shadrin presented a blockchain ecosystem DAO IPCI to the participants of F20. He suggested making a working group for implementing blockchain technology for mobilizing financial resources, which are required to attain the goals of Paris Climate Agreement. Federal Minister of Environment and Nature Conservation of Germany, the mayor of Hamburg and leading climate experts were among those present.

Following the result of the trip to Hamburg, the Fund prepared a message to the countries that participate in Paris Agreement about the need to consider blockchain technology as one of the instruments of green finance on Global Climate Conference in Bonn. The message has already been signed by respected international partners of the Fund and of the first blockchain ecosystem for green finance DAO IPCI.

"We are sure that Trump leaving the Paris Agreement can become a gift for Russia. Taking over the leadership of the fight against climate change, Russia will get an opportunity to promote its green technologies to developing markets, invite international green investments for modernizing infrastructure and to gain positive image and new partners on the international political arena", the Fund's CEO Alexei Shadrin highlights.



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