

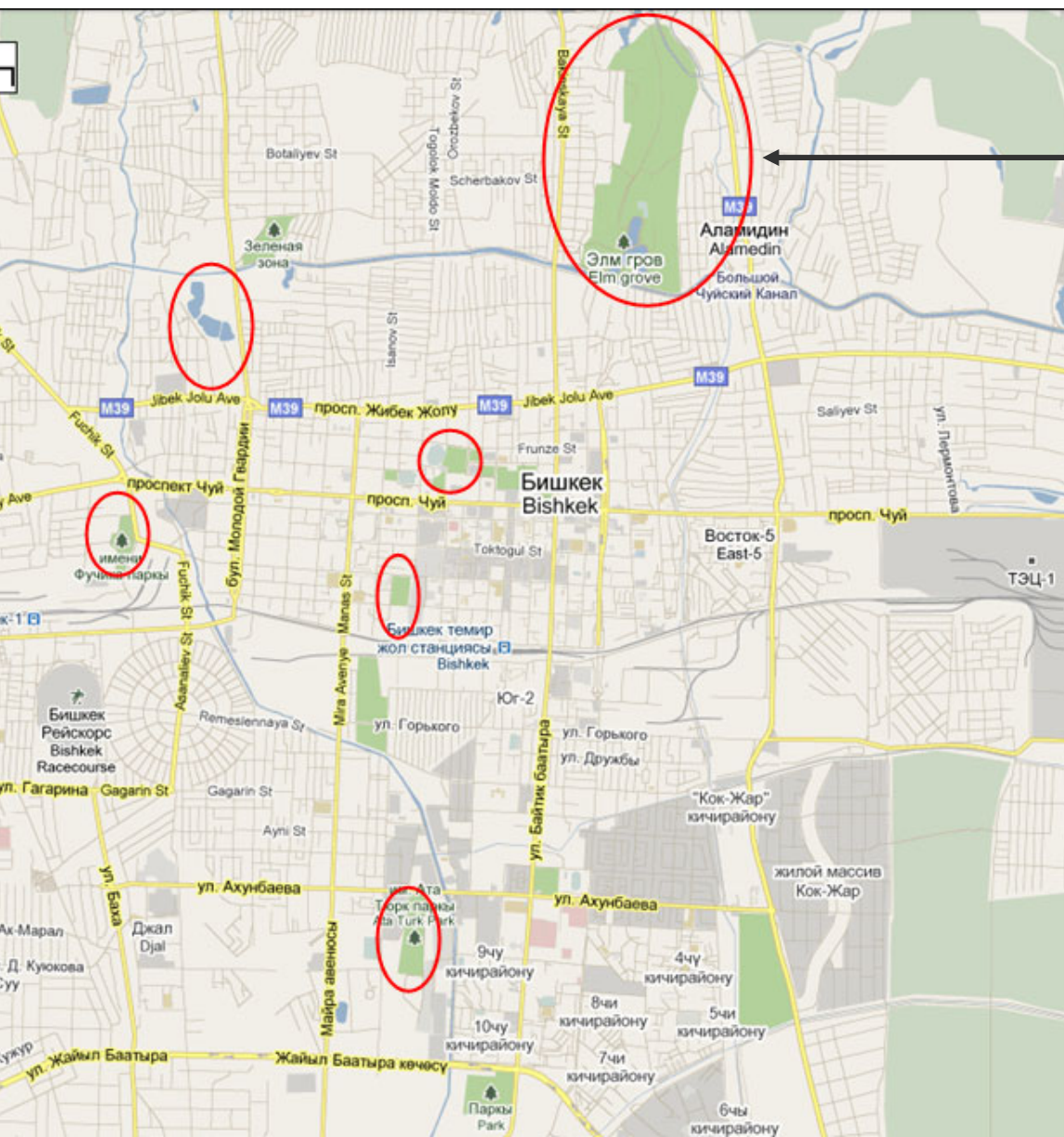
EcoPark Bishkek

Urban renaturation project in Bishkek, Kyrgyzstan:
Karagachevaya Rosha Park

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Karagachevaia
Rosha





Welcome to the Ecopark Karagachevaya Rosha



American
University of
Central Asia



Karagachevaya Rosha - a unique plantation in the urban area. It is the most popular recreation park located in the northern part of the city, behind the Grand Chuya Canal. The grove, which is spread over more than a hundred hectares, was created in 1883 on the initiative of the talented botanist Alexei Fetisov. In 1879, he arrived at Pishpek and took up his beloved work, having planned to create a giant garden in the middle of a desert valley, to turn marshy wastelands into a wonderful green oasis.

In the spring of 1879, he laid the foundation of the garden, spread the European varieties of fruit trees and soon a fruit nursery appeared on one of the sections of the present-day Karagachevaya Rosha.

In the years 1939-1940, at the initiative of the Komsomol City Committee, Komsomol Lake was built by public forces. In 1946-1947 Pioneer Lake was built. Lakes have beaches and boat stations.



A. Fetisov

In Soviet times, the area of one of the favorite places for the recreation of citizens was 215.69 hectares. Since Kyrgyzstan became an independent state, the area of a green oasis has decreased in 26 years by almost 60%. Now it's 123 hectares due to illegal construction of houses and cutting down trees but thanks to the "EcoPark" project, French-Kyrgyz Association of Ecotourism, AUCA, Bishkek City Hall and other partners succeed in protecting 123 hectares of the park and stop illegal constructions and cutting down trees.

French-Kyrgyz Association of Ecotourism (AFKE) is a non-profit association founded in 2007 to bring close cooperation between France and Kyrgyzstan in tourism, environment, to assist in the development of ecotourism and for environmental conservation in Kyrgyzstan. We have started the project "EcoPark Bishkek" in May 2018.

AFKE proposed the protection project at the international conference in Paris on climate change in 2015 (COP21). This project was certified at the 21st Conference of the Parties (UNFCCC) and the 11th Conference of the Parties serving as the meeting of the parties to the Kyoto Protocol (CMP11). Now about nearly 40 hectares of the park are under protection.



40
hectares of park
are protected

8467
trees
with a diameter of more than 10 cm



Federal Foreign Office
Climate Fund



Loiret
votre Département

Karagachevaia Rosha - Issues





Achievements

October 2018 → July 2021

Objective 1: Protect the park's forest and biodiversity → currently achieved

Even if it is a constant and daily work, the territory of Ecopark and its forest are currently protected from illegal tree cutting and from illegal constructions.

About 3 km 600 of fences

security buildings set up

security guards 24 hours on 24 hours

467 trees of more than 10 cm diameter protected

Wooden equipment and green corridor

photoilets installed
round benches
rectangular benches
bridges implemented
m of paths for walking
and running maintained
information panels
dustbins
picnic tables



Insect hotel in finishing stage



Electrical network and safety equipment



Connection to the electrical network
& video surveillance cameras

Breeding programs of local animals in the aim of reintroduction

1 birdcage of 300 m² for 8 pheasants

1 birdcage used for 1 falcon

1 enclosure of 15 m² for 4 local tortoises

(endangered species - Red Book of Kyrgyzstan)





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Objective 2: Sensitize the largest number of people and especially the younger and students to the protection of the environment.

Visits for AUCA's students (animal watching, birdhouses painting, waste collection,...)

Workshop on Waste Management for AUCA's students

Courses of the EMSD/ESCS department proposed with activities and games in the EcoPark

Tree planting sessions

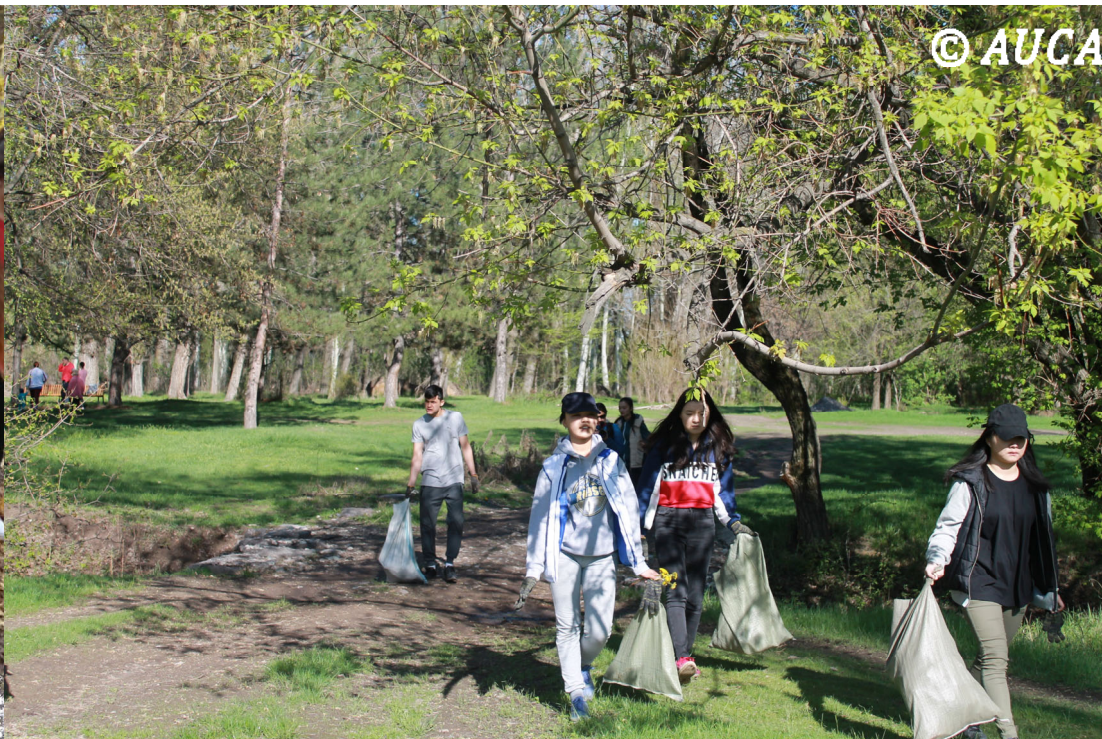
Visit for Bilimkana School (96 students)

Visits for the Technical School of Innovation

Waste collections with students and/or volunteers

Summer festivals for Technical School of Innovation - AUCA

More than 100 students from other universities/schools helped as volunteers to collect waste in the Ecopark



190 tons of garbage collected



Tree planting



© AFKE



255 trees planted
with AUCA's
students, staff

1 .

Planting local rare trees with AUCA students (April 2021)



Researches conducted by AUCA's students (thesis) in the EcoPark

Selecting tree species for successful plantation in the Elm Grove Park by *Nurali Orozbekov* (done);

Environmental study on captive and wild

peasants of the Ecopark for successful reintro-

duction by *Nurzada Tengdik kyzy* (done);

Descriptive and comparative study on the implementation

of a photovoltaic system in the Ecopark to provide

electricity by *Altynai Kurmanbekova* (done);

ES method: case of the EcoPark (KG) by *Kurmanbaeva*



development of research activities

Ecology research

Description and follow-up of tree diseases in the EcoPark;

Measuring the impact of climate change (selection and monitoring of indicators);

Measurement of water quality in canals;

Creation of a GIS (OGIS) for the EcoPark.



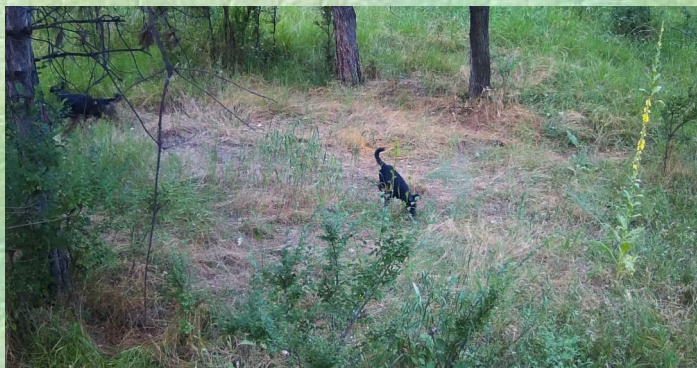
main development projects for 2021

Spring and Fall 2021: Planting in the EcoPark of endangered tree species in Kyrgyzstan and creation of a botanical trail (in partnership with the National Forest Institute under the Academy of Sciences of the Kyrgyz Republic);

July-September 2021: Installation of about 40 information panels about trees; Renewal of educational panels in the EcoPark;

September-October 2021: Planting of the «*Garden of Fatima*» (approximately 200 medium sized trees); Implementation of the bridge «*Fatima*» on a lake and a wooden pavilion in the «*Garden of Fatima*» (stylized according to Afghan design); Implementation of 8 surveillance video cameras; 2 information stands about «*Fatima Khalil*» (1 in English and Russian, 1 in Kyrgyz and

Conflicts between stray dogs and wild animals in the EcoPark



examples: birds picked up after attacks by stray dogs



Project for the management of stray dogs in the EcoPark and the Sverdlovski district

January-December 2021: Pilot project on the management of the stray dog population in the EcoPark and in the Sverdlovski district with the technical and financial support of the **Brigitte Bardot Foundation** using non-violent and humane methods (capture, sterilization, vaccination, identification, release and monitoring) with participation of AUCA TSI students and in partnership with the Veterinary Faculty of the Manas University.



Our partners



*American University
of Central Asia*

Institutional partners:

French Ministry of Ecology, Sustainable Development and Energy
(Project COP21)

Ambassy of France in Kyrgyzstan
City Hall of Bishkek

Financial partners:

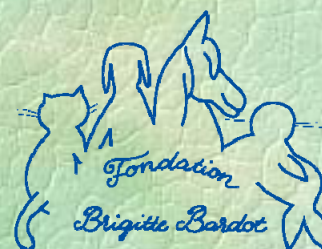
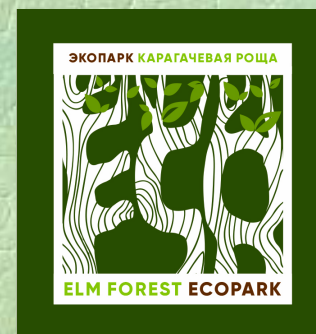
Donors and AFKE members (AFKE)

Region Centre -Val de Loire (France)

Department of the Loiret (France)

Ambassy of Germany in Kyrgyzstan (Climate Fund)

The Brigitte Bardot Foundation (new partner in 2021)



Federal Foreign Office
Climate Fund



Thank you for your attention.

Protect our green spaces in the city!

