

# PRESS RELEASE

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## Small grants provided by the European Union to help local communities in Kazakhstan to solve environmental problems

**ASTANA – Dust from abandoned uranium mines tailings, illegal waste dumps, poisoning of river Irtysh by heavy metals, contamination of lake Balkhash and severe air pollution. These are topics of the five projects that were selected for financial support within Small Grants Program, coordinated by Czech non-governmental organization Arnika and its partners EcoMuseum and Center for Introduction of New Environmentally Safe Technologies (CINEST) from Kazakhstan. Overall budget of EUR 12,000 is provided by European Union as a part of broader project “Empowering the civil society in Kazakhstan in improvement of chemical safety”. Selected projects will help to solve environmental pollution threatening health of about 800,000 people.**

### Overview of projects supported in the Small Grants Program:

Project title	Implementing NGO	Location and place of realization	Pollution victims estimation	Budget provided by the EU
Illegal waste dumps impact on environment of Karaganda	EcoObraz	Karaganda / Karaganda	500,000 people	€ 2,300
River Irtysh contamination by heavy metals from metallurgic waste	Eco-Accord	Glubokoe / East Kazakhstan	9,000 people	€ 2,000
Public monitoring of the air pollution in Temirtau	Otrazheniye	Temirtau / Karaganda	170,000 people	€ 2,220
Fighting toxic pollution of Northern Balkhash	Balkhash Environmental Center	Northern Balkhash / Karaganda	30,000 people	€ 2,500
Public involvement in solving remediation of uranium tailings in Stepnogorsk	Institution of Human Health	Stepnogorsk / Akmolinskaya	70,000 people	€ 2,000



The project is implemented by Arnika

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Impl. partners: EcoMuseum Karaganda, CINEST



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The European Union is made up of 28 Member States who have decided to gradually link together their know-how, resources and destinies. Together, during a period of enlargement of 50 years, they have built a zone of stability, democracy and sustainable development whilst maintaining cultural diversity, tolerance and individual freedoms. The European Union is committed to sharing its achievements and its values with countries and peoples beyond its borders.

*“Local people always know the local problems best. We believe in the power and creativity of active citizens, who want to protect their environment for life of themselves and their children. Small Grant Program gives the active citizens the last thing they need – money, so they can pay for experts, chemical analyses or information materials to involve their neighbors in decision making process, and to attract the attention of responsible state authorities,”* says Martin Skalsky, project coordinator of Arnika.

*“Selection of the projects for financial support was very hard, as the budget is limited and each team chose a problem that deserves support. It makes us happy how many active citizens were able to prepare very good quality projects. During their implementation, our experts will provide local groups with additional help in planning their campaigns, publicity or seeking for the ways of tackling serious environmental pollution,”* stated Julia Kalmykova, small grants manager of EcoMuseum.

In total, 11 projects were submitted to the Small Grants Program from Karaganda, Akmola and East Kazakhstan oblasts. The requested sum of money exceeded EUR 30,000. Projects were assessed by the group of experts from the Czech Republic, Kazakhstan and Russian Federation.

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## **Attachment:**

### **Projects selected for support within Small Grants Program**

#### **Public monitoring of the air pollution in Temirtau**

*Otrazheniye (Reflection) / Temirtau, Karagandy Oblast*

*Estimated number of pollution victims: 170,000*

In Kazakhstan, every year 200 kg of chemical compounds per capita are emitted in the air. The main reasons of serious air pollution are outdated technologies, low efficiency of cleaning equipment, violation of technological procedures and lack of investments in environmental protection. One of the most polluted areas is city of Temirtau and its surroundings, where heavy industry, energy production and other emissions sources are concentrated for many decades. One of the biggest steelworks on the territory of former Soviet Union – now owned by multinational corporation Arcelor Mittal – is also located in the town. Information campaign will target all citizens of the city. Independent public monitoring will be established, so the air pollution will be examined by citizens themselves. Otrazheniye will bring in experience from other countries and lead a campaign to decrease pollution from industrial sources.

#### **Illegal waste dumps impact on environment of Karaganda**

*EkoObraz / Karaganda, Karagandy Oblast*

*Estimated number of pollution victims: 500,000*

Illegal waste dumps are one of the major environmental issues of the cities and suburbs. On illegal dumps, domestic waste is often mixed with hazardous materials – such as light bulbs, thermometers or batteries containing heavy metals that might pollute soil and water sources, and poses a threat to human health. Sometimes, also private companies dump their industrial waste illegally in the vicinity of cities, to reduce their costs. In the project, illegal waste dumps in Karaganda city and its

surrounding area will be mapped by active citizens – volunteers. Interactive map will be created, accessible on-line, indicating basic characteristics of particular waste dumps. At selected hot-spots, chemical sampling of soil or water will be carried out, to identify source of waste and estimate hazards of pollution to the environment. Public awareness campaign should inform citizens about all risks and prevent creation of new illegal waste dumps.

### **Public involvement in solving remediation of uranium tailings in Stepnogorsk**

*Institute of Human Health / Stepnogorsk, Akmolinsk Oblast*

*Estimated number of pollution victims: 70,000*

Area of 500 hectares of dusty radioactive beaches – such is the condition of former Virgin Soil Mining and Chemical Corporation tailing pond. The largest in Kazakhstan and one of the largest in the world, it is located only 160 km from capital Astana. Tailing pond containing 45 million tons of fine radioactive dust can be “safe” only if it is constantly irrigated. In 1996, processing of uranium ore decreased, and irrigation became insufficient. Fine radioactive dust threatens populations of nearby towns, and also contaminates agricultural production that is exported to broader region. Objective of the project is to analyze the current situation and assess risk to the environment. Information campaign will be carried out to warn the citizens of the danger and educate them on health protective and preventive measures. Together with experts and state authorities, safe and feasible solution of uranium tailings remediation will be proposed and publicly discussed.

### **River Irtysh contamination by heavy metals from metallurgic waste**

*Eco-Accord / Glubokoye, East Kazakhstan*

*Estimated number of pollution victims: 9,000*

In the vicinity of Glubokoye town, slag disposal of Irtysh Smelter Company is placed. The greatest danger to the environment pose three slagheaps located at the very bank of river Irtysh – only ten meters from the stream. Besides that, fine dust threatens health of people living in surrounding areas. Previous research shows that content of heavy metals in this dust exceeds threshold limit values significantly – for example, 25 times in case of arsenic, or 16 times in case of copper. Territory of the slag disposal is not even fenced. In 2010, pollution monitoring was carried out, and 500 citizens signed the petition demanding accelerated remediation of the problem. However, it did not happen till today. Project consists of information campaign focused on affected population. Series of public debates will be organized with participation of the citizens, experts, mass-media and state authorities, to discuss alternatives. Public-interest campaign will enforce real solution.

### **Fighting toxic pollution of Northern Balkhash**

*Balkhash Environmental Centre / Balkhas, Karagandy Oblast*

*Estimated number of pollution victims: 30,000 people*

Balkhash – one of the largest lakes in Asia – demonstrates difficult conflict of the interests. On one side, citizens are dependent on fishing – and natural resources contribute significantly to the region's economy. Since 1930's, copper mining and smelting industry operates at the lake, creating its heavy pollution. In the time of Cold War, a number of military facilities (such as Daryal-type radar of early warning) added on the lake shore, containing wide range of hazardous materials. Part of the citizens is not aware of the contamination and loot, seeking for precious metals and construction materials. Project will inform people about health risk through information materials and seminars. Sources of pollution will be mapped, and possibilities of their remediation discussed among local citizens, experts and state authorities. Balkhash Environmental Centre will initiate preparation of Strategic Plan for Northern Balkhash and enforce progressive solutions.

## Overview of all projects and their evaluation

Implementing NGO	Project title	Location and oblast of realization	Evaluation (max. 100 points)	Grant
EcoObraz	Illegal waste dumps impact on environment of Karaganda	Karaganda / Karaganda	92	€ 2,300
Eco-Accord	River Irtysh contamination by heavy metals from metallurgic waste	Glubokoe / East Kazakhstan	80	€ 2,000
Otrazheniye	Public monitoring of the air pollution in Temirtau	Temirtau / Karaganda	74	€ 2,220
Balkhash Environmental Center	Fighting toxic pollution of Northern Balkhash	Northern Balkhash / Karaganda	74	€ 2,500
Institution of Human Health	Public involvement in solving remediation of uranium tailings in Stepnogorsk	Stepnogorsk / Akmolinskaya	72	€ 2,000
Burabay Aarhus Center	Monitoring of chemical safety of the Shushinsk-Borovoye resort area	Borovoye / Akmolinskaya	68	
Greenwomen	PRTR protocol as a tool for public involvement in decision making on chemical safety	East Kazakhstan	68	
Posadiderevo.kz	Training of volunteers for future independent organization of eco-clubs and coordination of their activities in orphanages and hostels in Karaganda	Karaganda / Karaganda	39	
Give Goodness	Effect of chemical pollution in the vaccination, in children's nutrition and food on children's health	Karaganda / Karaganda	35	
Mr. Malik Zhenisovich Kokareev	Study of the main sources of air pollution in Astana	Astana / Akmolinskaya	34	
Karaganda Governmental Medical University	Using of biomarkers for evaluation of chemical pollution of the environment by antibiotics	Karaganda / Karaganda	30	