



ACTIVITY REPORT



06-07



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PREFACE

Welcome to Unison's Activity Report for 2006-2007. Unison's fourth and fifth year in operation has been full of activities, challenges and successes.

We have been successful in strengthening our role as a Kyrgyz contributor in fostering environmental quality improvement, eco-tourism promotion, energy conservation, utilization of renewable energies, energy efficient construction promotion and carbon dioxide emissions reduction. Unison has been contributing to the preparation of a national strategy on energy security for the Kyrgyz Republic and making recommendations, at the national level, on Renewable Energy Market Development to the Kyrgyz Government. We continue to perform a large portfolio of national and international activities. Most of our activities have been targeted at regional development. We are assisting communities in involving international cooperation, through increasing awareness, know-how exchange with EU countries, energy planning and fostering instruments of market development on energy efficiency and renewables. Unison has been and continues to be happy to introduce its service position to new partners and clients.

In May 2006 we hosted the first Central Asian European International Forum on Climate Change (CAEFOCC), the first event in Central Asia, which initiated public discussion to highlight policy, foster business and research to prevent the climate change causes. The conference also established contacts and an EU Central Asia partnership to overcome the major market barriers on energy efficiency and renewables.

Realization of implementation projects in the area of building sector, energy performance contracting, renewable energy market development and energy certification were important by bringing new knowledge and efficient instruments to remote corners of the country. Comprehensive analysis on the energy sector were prepared and Potentials of Renewable Energy Sources assessed to introduce to the market, analyze it, and highlight its strength in order to attract new investments in promising areas, such as district heating, biomass, solar utilization and building sector.

Networking brought us a constant exchange of experiences and new ideas and the introduction of new activities into the market. We implemented a series of success stories aimed at, among other things, new technologies and their introduction to society, capacity building to market participants and raising public awareness. We had the opportunity to network with European and worldwide organizations, by connecting with the INFORSE, WECF and IPEN organizations.



It was both important and encouraging that we received powerful and positive messages from the market place. In 2007 Central Asian Regional Committee on Sustainable Development recognized Unison as one of the most of active organizations contributing to Sustainable Development of the region. In the field of energy conservation and development renewable energy sources utilization Unison is recognized as an expert organization, that is a provider of information and introducer of new ideas and approaches to the market place. During its operation period Unison identified itself as a Neutral Market actor working between businesses, companies involved in the field, and the ministries responsible for the implementation of policies.

Environmental quality improvement and eco-tourism development are both strong components of Unison's activities. The Unison team has a vision of an eco-friendly Kyrgyzstan that balances and reaps the benefits of a sustainable developed, modernized country in a globalized economy. Implementing projects on application of efficient tools of eco-tourism management and elimination of persistent organic pollutants from the environment were contributions towards conservation of natural resources for future generations and reduces natural impact to vulnerable mountain ecosystems. Our innovative projects and mutual cooperation with international and local experts help us to increase local capacity and foster sustainable development principles.

Some of you may remember our previous Activity Report. This report is designated to carry out that tradition of sharing our activity goals and results with our partners and interested parties. The Unison team is a group of open minded, committed young professionals working continuously to raise their level of professionalism.

We invite you to look at this report, our mission and our activities. We welcome cooperation with people and organizations that also strive for sustainable development of Kyrgyzstan. If you would have any comments or questions please feel free to contact us. We are looking forward to hearing from you.

*Best regards,
Ms. Nurzat Abdyrasulova
Director Unison*





1. Company Overview

1.1 Organization Profile

CEF Unison is a registered non for profit organization, registered with the Kyrgyz Ministry of Justice. Unison is dedicated to improving Kyrgyzstan through ecological and environmental projects. Our projects have focused on promoting renewable energy sources, renovating buildings using energy saving technologies, improving eco-friendly tourism, researching environmental problems and holding informational seminars and conferences on environmental issues in Kyrgyzstan. Unison has a dedicated staff of nine employees: three environmental experts, two energy experts, an office manager, financial manager, one intern and one volunteer.

1.2 History of CEF Unison

Unison was established by professionals dedicated to improving the environmental situation in Kyrgyzstan in 2002. Since its inception CEF Unison has been hard at work creating, executing and managing environmental projects, seminars and workshops throughout Central Asia.

2002: Building Partnerships with the European Union. Unison shared their experience with project design with Slovak and European Union organizations to increase the effectiveness of performed NGO activities. The experience became a focal point for realizing and creating projects aimed at ecological improvement in the Kyrgyz Republic.

2003: Public Action, "Together for a Clean City," was an information campaign held during World Environmental Day. More than 3000 young people participated as Unison brought together other environmental NGOs to increase awareness on the environmental issues affecting Kyrgyzstan. Under Unison's direction, volunteers helped clean one of the local city parks, and after at the central square Ala-Too was also a concert promoting the environment.

2004: Public Action, "Clean River," was an awareness campaign to highlight the public problem with river pollution and how the pollution negatively affects the environment and human health. Coinciding with the information campaign 100 volunteers helped clean up 1500 meters of the Ala Archa River, by removing several tons of garbage, such as bottles, cans, and paper.

1.3 Mission and Objectives

Civic Environmental Foundation Unison is an independent non-for profit environmental organization. Unison's mission is to improve the environment in the Kyrgyz Republic by conserving, protecting and restoring the natural ecosystems through practical activities, research and studies.

Due to its cooperative approach CEF Unison has developed active collaboration with public institutions, such as government ministries, universities, research institutions, and municipal and regional authorities throughout the Kyrgyz Republic. Unison also cooperates with other NGOs and business actors interested in environmental protection and the sustainable development of Kyrgyzstan. Our environmental, and energy efficiency expertise combined with our approach of cooperating with international and local groups allows us to develop successful solutions that are accepted by both the international community and the local community.

We aim to:

- ➔ Improve the overall environmental situation in Kyrgyzstan, particularly in remote areas;
- ➔ Protect biological and cultural diversity;
- ➔ Promote the efficient use of energy resources and development of alternative energy sources;
- ➔ Support the principles of civil society and gender equality in all areas of public activities;
- ➔ Assist to regional and local authorities in environmentally beneficiary policy development;

We will do this by:

- ➔ Increasing the level of environmental education;
- ➔ Fostering environmental and cultural values;
- ➔ Fostering energy efficiency and renewable energy;
- ➔ Increasing environmental awareness among the public;
- ➔ Supporting sustainable development of Kyrgyzstan compatible with the state obligation in Agenda XXI;
- ➔ Establishing contacts with international organization and institutions active in third sector;
- ➔ Supporting technological transfer of innovative and developed environmentally technologies.



1.4 Services:

CEF Unison has demonstrated experience in preparation of successful project proposals for European Commission, INTAS, SlovakAid and British Embassy among others, and in implementation of projects with international partners. Based on this experience Unison can provide the following expert services:

Energy Related Services:

- Pre-feasibility and feasibility studies on energy-efficiency and renewable-energy projects;
- Energy-related macro and micro-economic analyses, taking into account internationally (specifically EU) accepted methodologies;
- Monitoring and analysis of energy-efficiency projects;
- Preparing and developing project documentation on Clean Development Mechanism (CDM) including PIN, PDD;
- Development of energy certification for buildings including analysis of energy consumption, energy conservation measures and payback period for investments;
- Development of Action Plans on energy issues for municipal and regional authorities;
- Trainings for the general public on energy efficiency, energy conservation and renewable energy technologies;

Organizing, Designing and Implementing Workshops, Conferences and Informational Campaigns on Energy and Environmental Issues:

- Organizing and executing international workshops and conferences on a high level;
- Development of concept and design of strategic and widespread informational campaigns;
- Designing and publishing of brochures, flyers, articles.
- Organization of international seminars, workshops and exhibitions;
- Organization of public environmental events and community actions;
- Communication and assistance with relevant Kyrgyz Ministries, Universities, Businesses, and NGOs;

Environmental and Eco Tourism Services:

- Environmental impact assessment (preliminary and baseline);
- Development and managing of eco tourism projects;
- Development of Action Plans on eco-tourism and environmental issues for national, regional and municipal authorities;
- Trainings for communities on creating eco-tourism sites;
- Round table discussions for communities to spread information on local environmental issues;

1.5 Donors/Supporters

Unison has successfully implemented projects with the help of these international donor organizations. Donors have given us valuable training, consultations and monetary contributions to ensure that we provide quality services.

- ➔ Allavida Foundation, Great Britain.
- ➔ SlovakAid Official Development Agency of Slovak Republic, Slovakia
- ➔ British Embassy in Bratislava, Slovakia
- ➔ INTAS Programme of European Commission, Belgium.
- ➔ European Commission
- ➔ Velux Foundation, Switzerland
- ➔ Central Asian Regional Committee on Sustainable Development
- ➔ Global Green Grants Foundation, USA

1.6 Memberships and Partnerships

1.6.1 Memberships

Unison is a member with the following institutions:



INFORSE

International Network for Sustainable Energy, based in Denmark. INFORSE plans and holds seminars and workshops as well as creates sustainable energy strategies.



IPEN

IPEN is the international POPs elimination network. IPEN is global network of international non-governmental organizations that helps spread awareness and methods to curb POPs. POPs stands for persistent organic pollutants.



WECF

Women in Europe for a Common Future, is a women's environmental group in over 30 countries worldwide. WECF looks at women to balance the environment, health, and economic issues.



1.6.2 Partnerships

Unison has built strong partnerships with several local, regional and international organizations since its foundation. Building strong networks and collaborating is a key objective of Unison.

We would like to thank the following international partners.

EU partners

- DG TREN Energy and Transport, European Commission
- Managenergy, European Commission
- EnEffect, Bulgaria
- Bulgarian Energy Efficiency Fund, Bulgaria
- Energy Efficiency Agency, Bulgaria
- Youth and Environment of Europe, Czech Republic
- Tereza NGO, Czech Republic
- Energy Consulting, Czech Republic
- Energy Center of Bratislava, Slovakia
- Building Research and Development Institute VVUPS NOVA Ltd., Slovakia
- Nawitas AAE, Ltd., Slovakia
- Energy Consulting, Slovakia
- Association for the Slovak Technology Platform, Slovakia
- EuroProject Service, a.s., Slovakia
- EMERGE, Ltd., Slovakia
- BROZ - Regional Association for Nature Conservation and Sustainable Development, Slovakia
- CENAA, Slovakia
- Jantarova Cesta, Slovakia
- Acedemia Istropolitana Nova, Slovakia
- Dedak and Partners, Slovakia
- Ecotoxicological Centrum Bratislava, Slovakia
- SST Consult, Poland
- WEGRE, Greece
- Field Studies Council, Great Britain
- Center for Alternative Technology, Great Britain
- Global Action Plan, Great Britain
- Women of Europe for Common Future, Netherlands
- Fraunhofer IAO, Germany
- IAT University of Stuttgart, Germany
- Ecological Tourism in Europe, Germany
- Geonardo Environmental Technologies Ltd. Hungary
- Regional Environmental Center CEE, Hungary
- OGUT, Austria
- Denkstatt, Austria
- Renewable Energy and Energy Efficiency Partnership (REEEP), Austria

Other foreign partners

- Regional Environmental Center of Central Asia (CAREC), Kazakhstan
- Viessmann Kazakhstan, Kazakhstan

- Foundation for Realization of Ideas, Belarus
- Consenergo, Russia
- Omsk Department of Education, Russia
- Etis Ltd., Russia
- SRK Consulting (Russia), Russia
- Russian Regional Ecological Centre, Russia
- Journal Kazakhstan Industry, Kazakhstan
- Centre for Sustainable production and consumption, Kazakhstan
- Factor3C AG, Switzerland
- Velux Stiftung, Switzerland
- Oecofacta, Switzerland
- Youth Group on Protection of Environment, Tajikistan
- Tahoe Baikal Institute, United States of America
- Earth Island Institute, United States of America
- Alliance to Save Energy, United States of America
- Great Lakes Association, United States of America
- Energy Audit Group, Ukraine
- Renewable Energy Agency, Ukraine
- Magazine Green Energy, Ukraine
- ENSI, Norway
- China Enterprise Confederation, China

Local partners

- Ministry of Energy, Fossil Fuels and Industry of Kyrgyz Republic
- State Tourism Agency of Kyrgyz Republic
- State Agency on Environmental Protection and Forestry
- State Agency on Construction and Architecture
- EC Delegation in Kyrgyz Republic
- Kyrgyz State University of Construction, Transport and Architecture
- International University of Kyrgyzstan
- Bishkek Humanity University
- Center on Problems of RES Application
- Abdysh-Ata Ltd.
- Grundfoss Kyrgyzstan
- NGO REC Group
- NGO Millieocontact
- NGO BIOM
- CAMP Ala-Too
- CEEBA
- CBT Kyrgyzstan
- National Park Ala Archa,
- NGO Fluid
- EBRD Programme BAS
- Association of Cities of Kyrgyz Republic
- NGO Tabiat
- Independent Ecological Expertise
- Pease Corp Kyrgyzstan
- Narynteplokommunenergo
- NGO Attan



2. ACTIVITIES 2006-2007

2.1 Projects

Promotion Development of Energy Service Companies in Kyrgyzstan (ESCO-KYR), October 2004 - July 2006

The project introduced and promoted Energy Performance Contracting and consulting in the Kyrgyz Republic. The consulting was combined with Third Party Financing, in order to promote improved development of energy service companies in Kyrgyzstan, especially in rural regions. In most parts of Kyrgyzstan both heat and power are not used efficiently, which leads to a high percentage of energy losses. Most of this is due to inadequate technology, because local municipal governments and companies do not have the funds to update and modernize their technologies. The ESCO-Kyr, project was designed to show how implementing energy saving measures could significantly reduce the amount of wasted heat and power losses. To prove this point, Unison with Energy Consulting s.r.o (Slovakia), and supported by Slovak Aid and Canadian International Development Assistance, brought together a kindergarten, *Altyn Balalyk* and *Naryn Teplocommunenergo* (local municipal energy provider). The kindergarten was fitted with energy saving measures, as Automatic regulation balance valve, heat-meter, sealing of windows and doors, and insulation of heating pipes with AF Armaflex. The results were that the kindergarten had energy saving of over 67%. 24%-28% was due to real energy saving, while 40%-43% was due to energy waste by the building's energy performance and the energy used through existing technologies used by the power company. Because of ESCO-Kyr, the kindergarten gets the same budget for electricity and heat, but now invests the money saved.

Energy Certification of Buildings in Kyrgyz Republic (BuildCer), March 2005 - November 2006

Almost all the buildings in Kyrgyzstan were built during the Soviet Union. Most buildings lose up to 60-70% of heat during the winter time. During a study a majority of Kyrgyz respondents (80%) were not satisfied with indoor temperatures of their homes and offices. In another finding it was discovered that energy use per square meter is almost 3-5 times higher in Kyrgyzstan than in the European Union. Lastly building energy use was estimated at 48% of Kyrgyzstan's total energy use.

These problems were why CEF Unison developed its energy certification project called BuildCer, with support of Slovak Aid and Canadian International Development Assistance. The project partnered Unison with Kyrgyz State University of Construction, Transportation and Architecture and Research and Development Institute for Building construction (VVUPS NOVA s.r.o), from Slovakia. The BuildCer program allows for buildings to undergo energy certification so that people can live in better heated buildings and pay lower utility bills.



The BuildCer program allows for buildings to undergo energy certification so that people can live in better heated buildings and pay lower utility bills. The second part of the project was to spread awareness to the public by showing that there are available solutions to improve energy efficiency. By spreading awareness the public would start wanting to update buildings to more efficient standards, and make sure newly designed building met these standards. So far there have been 25 certified buildings 15 around Bishkek and 10 in rural Naryn Oblast. Buildings selected included urban and rural buildings that corresponded to building types such as, monoliths, panel, masonry apartment buildings and clay and brick family houses. The buildings were a mixture of privately owned, municipally owned and state owned.

Preparation of Model Solution for Energy Utilization of Biomass SBK Biomass, March 2005 - July 2006

Preparation of Model Solution for Energy Utilization of Biomass was a project in cooperation with the Energy Center of Bratislava, that analyzed how to develop the use of biomass energy in the Kyrgyz Republic. Kyrgyzstan imports around 60% of its energy consumption. Biomass can be produced locally, even in rural areas, thus alleviating the need for importing energy. The project researched and analyzed the current energy industry, energy demand and consumption, energy tariffs, and the availability of biomass resources in the Kyrgyz Republic. The project resulted in several different publications: *Energy Sector Review*, *Successful Biomass Development Case Studies* and *Action Plan on Biomass Market Development in Kyrgyzstan*. These publications showed the research of the study, raised awareness to stakeholders, highlighted successful biomass projects from other countries, and listed what steps Kyrgyzstan can take to foster and create their own biomass industry. The project was funded by the British Embassy in the Slovak Republic.

Slovak Kyrgyz Partnership on Fostering Market Penetration of Renewable Energy Sources- FORES, October 2005 - January 2007

Energy access is both a geopolitical and environmental issue. This creates problems as developing countries grow and require more energy consumption, but do not have the infrastructures to handle the increasing demand. Conflicts can break out over what countries should get energy, as energy can be exported to countries that have similar political ideologies with producers. Environmental issues are a result of poor outdated production from power plants which pollute more and emit heavier levels of CO₂, which exacerbates global warming.

The Kyrgyz Republic is one such developing country where energy is a sensitive issue. Kyrgyzstan imports around 60% of the energy it uses from other from Russia and other Central Asian countries. There have been times when Uzbekistan has cut off its supplies of natural gas into the country, thus there has been a real awareness of energy politics that can affect the country. However, Kyrgyzstan also overproduces electricity from its hydropower plants. The overproduction is wasted because the power systems are usually overloaded due to outdated conditions of the systems. Most local people do not realize that their country offers renewable energy sources that would help ease the dependence of foreign energy imports and allow local people, rural citizens in particular, to be able to get adequate reliable energy for heating and lighting houses.





CEF Unison saw that solutions existed in Europe. Unison began collaborating with European Union countries, Slovakia in particular, to bring awareness of the energy issues and give examples, to Kyrgyz citizens, of solutions that could help solve the problems. With the support of Slovak Aid, and partnering with NAWITAS, Unison created Fostering Market Penetration of Renewable Energy Sources (FORES). FORES brought together politicians, businesses, energy consumers, and NGOs, to address the common problems, and to look into what the best solutions would be for the Kyrgyz Republic. The end result were publications on the Kyrgyz energy sector, the affects of renewable energy sources in

the Kyrgyz Republic and market barriers for renewable energy sources as well as how to address these barriers.

Both our Unison team as well as our Slovak partners analyzed the data and came up with viable renewable energy projects for the Kyrgyz Republic that met international standards. The projects where then published for investors detailing the financial feasibility and investment needed to carry out the projects.

Analysis and Evaluation of Persistent Organic Pollutants in Kochkor Province of the Kyrgyz Republic, February 2006 - June 2006

POPs stand for persistent organic pollutants. POPs are an important concern because they can never fully leave the environment and continue to hurt the local ecosystems as well as negatively affect the local population's health. Currently, the matter is only compounded because there is almost no information on the threat of POPs in the areas where these pollutants pose the greatest threat. Unison decided to investigate and assess the POP situation in Kochkor Region. Kochkor was chosen because it has limited environmental controls and local officials have miss informed the population on the POPs situation, because of this it made it a common rural area in Kyrgyzstan.

The investigation found that there were POPs in Kochkor, mostly in the form of pesticides, such as DDT, and that they were the result of improper storage and smuggling of chemicals used for agriculture. Unison highlighted the area hot spots, held round table discussions on the situation, informed the local population and the local government what steps could be taken to curb the POPs problem. The project was supported within the International POPs Elimination Project

Education for Sustainable Development and Climate Change (EnEff) Omsk, April 2006 - March 2008

The goal of this project was to reduce CO2 emissions, at schools in Omsk Russia, show the monetary savings by using energy efficient and saving measures, and lastly educating Russian teachers and students about climate change and energy issues. Unison partnered with Field Study Council (Great Britain), the Omsk Education Committee and was supported by DEFRA.

The project was needed for three reasons. First most of the schools have outdated heating and electricity equipment, making the price of heating and powering schools very expensive. The total energy bill for the 150+ schools in Omsk is 38,000,000 rubles, roughly about 5,500 US dollars per year. They emit around 110 tons of CO₂, which is a substantial amount.

Lastly, there is hardly any education on energy matters, and it is hard to educate about energy saving methods when no one in the area is applying energy saving techniques. Unison with the other partners showed how to install, finance, and manage energy saving measures. Because of the new installed technology and the informational seminars schools will be able to afford to pay their energy bill and will show to other business and institutions that energy saving measures can save a large amount of money.

Energy Efficiency and Renewable Energy at Kommuna's Medical Facility (EERE), August 2007 - November 2008

The Ferghana Valley is one of the poorest regions in the former Soviet Union. The area is made up of three countries Kyrgyzstan, Tajikistan and Uzbekistan. The countries borders were drawn over traditional ethnic lines. Unemployment is high, and most adult males leave their wives and children for better working conditions. Currently, there has been work done by international donors organization to help build up local infrastructure in order to create jobs to give stability in the region.

Unison in partnership with local project partner CEEBA, and with the support of the European Commission, is contributing to improving the local infrastructure by constructing a new medical facility in Kommuna Village located in Batken Oblast. Kommuna frequently suffers from power outages. This can create dangerous situations for patients, staff and visitors using the medical facility. Unison is helping install photovoltaic collectors and thermal solar water collectors. This helps store energy so the medical facility can keep running as well as have clean water and heat during the winter.

However, installing new equipment is not enough. Before implementing the project, Unison talked with local leaders so that the community participated throughout the project. Unison then spent time training the local community on not just using the equipment, but on how to conserve energy. Unison demonstrated how installing renewable energy equipment can help improve life in the village, from heating schools, which provides a better learning environment to lighting houses at night so that families can spend time together.



Promotion of Sustainable Tourism Development in the Kyrgyz Republic, September 2006 - November 2008

Tourism could be one of the most profitable economic sectors in Kyrgyzstan. An improved tourism industry can provide many job opportunities in rural areas where unemployment is high. Currently the tourism sector is suffering and could continue to suffer if no action is taken. There are no eco friendly methods, which will cause strain and lead to damage of the environment and will hurt future tourism potential. There is lack of information about parks and tourism, and the current tourism system is fragmented. There needs to be a coherent national strategy.

Unison together with Slovak partner BROZ is researching and analyzing the tourism sector in ways to improve and to apply sustainable tourism development principles in this industry.



The project takes an in deep analysis at the current industry and looks on how to improve it. Improvements for example include building an informational center, creating and marking trails in national parks, as well as promoting environmental friendly instruments on better management of protected areas. By connecting government officials with businesses, Unison is creating a more united and better informed industry, which translates to conservation of nature, to more tourists staying longer, fueling local economies and enjoying Kyrgyzstan.

Promotion of Sustainable Tourism Instruments in Kyrgyzstan, October 2007- August 2008

The Project's goal was to create a tourist information center for sustainable tourism in Ton Village, located on the southern shore of Issyk-Kul Lake. There are plenty of hiking, camping and cultural tourist activities that could help increase the economic activity in the region. By carrying out informational seminars and trainings on examples of the kind of tourist activities available, such as home and yurt stays, handicraft activities and hiking, the village is able to see how they could decrease their poverty rate from the income generating by the tourist activities. By helping provide jobs and decreasing unemployment tourism will help prevent negative environment activities that locals sometimes use as a way to make money, for example poaching and non-sustainable deforestation. The project is designed to promote the local people and improve their livelihoods and the project is supported by the Central Asian Regional Development Committee on Sustainable Development.

2.2 Conferences, Seminars and Workshops:

Central Asian European International Forum on Climate Change CAEFOCC, May 2006

In May 2006, Unison, with the support of: The VELUX Stiftung Foundation and The European Commission, put on the Central Asian European International Forum on Climate Change (CAEFOC).

The conference allowed Central Asian states to see the success of European models, and show the need for Central Asian governments, businesses and local NGOs to act in preventing climate change. The conference took an in depth look at the current energy markets for Central Asian nations, what the greatest energy problems were facing these countries and the possible solutions to these problems.



Overall, the conference had 36 presentations during the five sessions, and more than 100 participants. The participants came from Kyrgyzstan, Uzbekistan, Kazakhstan, Tajikistan, Ukraine, Russia, Denmark, Norway, Switzerland, Slovakia, Austria and the USA.

European countries' participants presented case-studies of successful projects on reduction of greenhouses emissions. The Swiss consulting group, Factor AG, showed the opportunities for CDM project development in Kyrgyzstan.

The Danish Environmental Agency, and Swiss International Development Agency and Consulting Company presented energy efficiency and renewable energy development in Kyrgyzstan. The European Commission highlighted, the priorities of the European Union's energy policy, as well as what steps the EU countries have taken to reduce green house gas emissions. Regional Renewable Energy and Energy Efficiency Partnership (REEEP), showed their projects that involved international cooperation and their funding schemes.

The forum also had technical component day, as participants were taken to a small hydro power station and a bio gas plant.

National Conference Fostering of Renewable Energy Market Development in Kyrgyzstan, 5th December, 2006.

The conference, with support from Slovak Aid, was held to attract the attention of the government, businesses, farmers, consumers and the scientific community to see the socio, economical and ecological gains from implementing technology to use renewable energy sources (RES). The conference looked specifically into showing the RES potential in the Kyrgyz Republic as well as the barriers that existed from implementing these feasible projects. Guidelines for promoting RES development were also created and presented for the participants in order to unite the wide range of stakeholders and help create a stable supply of

Sustainable Tourism: Theory or Reality, May 2007

CEF Unison held an informative workshop on sustainable tourism. Experts on tourism from the Slovak Republic and Germany presented the main principles of sustainable tourism development. The event also looked at social, economic and environmental issues behind sustainable tourism, and what steps Kyrgyzstan could take to make a fully sustainable tourism industry.

Instruments of Sustainable Tourism Development, May June 2007

Instruments of Sustainable Tourism Development was a training conducted by Unison and Slovak Aid, to inform tourism operators on a national and regional level. The training brought in tourism experts from Slovakia and Germany, as well as tourism marketing experts from Slovakia. The training showed the challenges facing the Kyrgyz tourism industry. The outside experts talked about developing tourism products, certification schemes, and how to promote the industry.

Training for Trainers in Ala Archa National Park, September 2007

The training was focused on introducing and promoting a marked trail system in protected national parks. Mr. Jan Rohac, a tourism expert presented the Slovak system of trail marking. The participants learned about the main principles, and examples. Participants also took part in actual trail marking activities.



International Climate Change Day Presentation at International University of Kyrgyzstan, December 2007

CEF Unison held an information seminar dedicated to global warming and climate change at International University of Kyrgyzstan was held on December 6th 2007. The seminar was aimed at students inform and educate about the current issues involving climate change.

Unison's director, Ms. Abdyrasulova opened the seminar describing how climate change will affect the world and Kyrgyzstan. Energy expert Alexander Hadijivanov talked on how to the European Union reduces emissions. Peace Corps volunteer, Justin Streen spoke on the importance of using environmental economics to help address future environmental problems, such as permit trading. Afterwards Al Gore's film, *An Inconvenient Truth* was shown.



2.3 Participation at Outside Environmental Events

Future Free of Toxic Chemicals, Almaty Kazakhstan February 2007

Future Free of Toxic Chemicals was a regional workshop focusing on the threats of toxic chemicals to the environment and human health in Central Asia. The workshop had representatives from Germany, Kazakhstan, Kyrgyzstan, Russia, Tajikistan and Uzbekistan. The conference discussed chemical safety for all of humanity as well as in the context of chemical safety problems and the ways to solve them in Central Asia.

Nazgul Esenbol of CEF Unison, presented her paper on persistent organic pollutants in Kochor Province, in Kyrgyzstan.

The 15th Session of the United Nations Commission on Sustainable Development, New York USA, April May 2007.

Unison participated at the Commission on Sustainable Development (CSD). The main purpose of CSD is for all interested stakeholders and to discuss existing opportunities to improve sustainable development. Unison was represented by Nazgul Esenbol, who presented *Fostering of Renewable Energy Sources Market Development in the Kyrgyz Republic*.

Preparation for the Road to Belgrade, Istanbul Turkey, July 2007

The conference was to prepare delegates for the Belgrade conference in October 2007. The conference explained about what would happen and the protocol for the Belgrade conference. Unison was one of the NGO delegates.

First International Conference of Eurasian Green Federation, Europe-Asia: Partnership for Sustainable Development, Kiev Ukraine, September 2007

The main objective of the conference was to create joint efforts of non-governmental organizations, public movements, and other interested in saving the planet by transferring experience.

Bakyt Askarbekov represented CEF Unison at the conference with the presentation “Sustainable energy on regional and municipal level: Vision for Kyrgyzstan”.

Sixth Ministerial Conference “Environment for Europe,” Belgrade Serbia, October 2007

The “Environment for Europe” Conference looked at ways to secure peace, stability and sustainable development through harmonizing the environment in Europe. The unique part of the conference is that environmental ministers and NGOs come together to listen and exchange viewpoints on environmental issues. Unison was a participant and attended the conference.

2.4 Consultancy Services in 2007

1. Environmental Impact Assessment for the Denkstatt and GUA. EBRD project on Renovation of gas pipeline Bishkek-Kant-Tokmok
2. Preliminary environmental baseline assessment for mining
3. Consultancy How to develop charitable activities for local business.
4. Consultancy on energy efficient building construction and energy saving measures

3. Future Activities

CEF Unison looks to continue to implement projects dealing the sustainable energy, conserving the environment and eco tourism in the near future. We are planning to move from researching and reporting on the energy market to starting to implement more energy saving technologies in buildings around the country, so that more local citizens can see first hand the benefits of energy saving technology. We are also planning to develop the tourism industry in a more environmental friendly manner, by spreading information about the national park system and teaching local populations the importance for caring for these parks, as well as creating a better tourism industry that meets the needs of the customers, such as providing better information centers, maps, etc. We will continue to keep spreading awareness on environmental issues, such as how they affect the local population. Lastly, we will continue our consultancy service to make sure new projects being developed in Kyrgyz Republic are environmentally friendly and do not jeopardize the health and contaminate the lands of the Kyrgyzstan.

3.1. Projects

- The Second Central Asian European International Forum on Climate Change (CAEFOCC II),
- Rehabilitation project for rural school in Batken, and increasing capacity on energy efficiency and Ecological sanitation of rural communities,
- Establishment of Ecological Center on Sustainable Development (Unison EcoCenter),
- Establishment of Information Center for Tourists in Bishkek and Ton (Issyk-Kul),
- Development of local market for alternative tourism via using capacities of joint Kyrgyz Slovak venture,
- Establishment of information panels and marking trails for national park Ala-Archa and publication of brochures on protected areas



3.2. Planned activities

- Development and Assistance to state authorities such as Minister of Industry, Energy and Fuel Resources, Environmental Protection Agency and Tourism Agency through regional planning programmes
- Preparation and holding of presentations for the members of target groups
- Staff capacity building through specific trainings and seminars
- Presenting the country and company activities in international area
- Promotion and support of transfer of innovative, clean and environmentally friendly technologies between Kyrgyzstan and foreign suppliers
- Assistance to potential investors and other actors
- International cooperation activities among the actors in Kyrgyzstan and EU
- Cooperation with experts and institutions on building sustainability
- Performance of energy certification for interested actors
- Performance of consultancy services on environmental impact assessment and energy efficient construction
- Collection and updating the Kyrgyz Republic's data on Energy, Environment and Tourism issues and creation and maintenance of relevant database
- Utilization and updating existing contacts and project database
- Production of brochures, articles and reports on related sectors

WHERE OUR PROJECTS ARE LOCATED

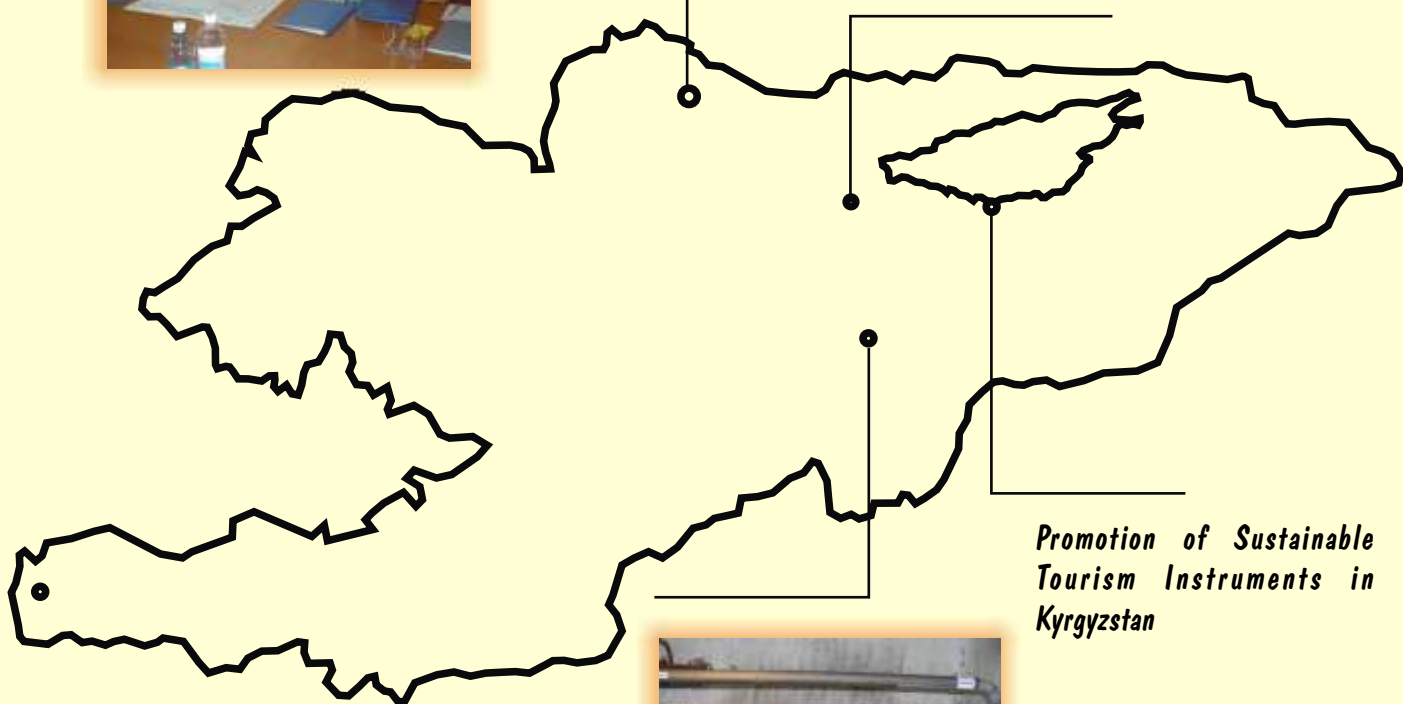
Energy Efficiency and Renewable Energy at Kommuna's Medical Facility (Batken Region)



Promotion of Sustainable Tourism Development in the Kyrgyz Republic
Central Asian European International Forum on Climate Change CAEFOCC
Slovak Kyrgyz Partnership on Fostering Market Penetration of Renewable
Energy Sources- FORES
Preparation of Model Solution for Energy Utilization of Biomass SBK
Biomass
Energy Certification of Buildings in Kyrgyz Republic (BuildCer)
Public Action "Together for a Clean City"
Public Action "Clean River"



Analysis and Evaluation of
Persistent Organic Pollutants in
Kochkor Province of the Kyrgyz
Republic



Promotion of Sustainable
Tourism Instruments in
Kyrgyzstan



Promotion Development of Energy
Service Companies in Kyrgyzstan
(ESCO-KYR)
Energy Certification of Buildings in
Kyrgyz Republic (BuildCer)





4. Staff

Nurzat Abdurasulova, Director and Founder of Civic Environmental Foundation Unison. Ms. Abdurasulova has Bachelor of Arts from International University Kyrgyzstan in environmental education. She has her Master's degree from Bishkek Humanitarian University, and has continued her education at the Academy of Istropolitana Nova, in Slovakia, studying in their environmental policy program. Ms. Abdurasulova is responsible for overall management and co-ordination of CEF Unison. Her responsibilities include fundraising, project development and management and acquisition issues. She also performs consulting activities on Environmental Impact Assessment.

Nazgul Esenbol kyzy, is a Project Manager. Ms. Esenbol has a Bachelor of Arts law degree from International University Kyrgyzstan, and Master's degree in law from Kyrgyz National University. She is responsible for project management and media activities. Ms Esenbol actively contributes to the legal assistance performed by CEF Unison in the fields of energy efficiency and renewable energy sources as well environmental protection.

Bakyt Askarbekov, is the Financial Manager of CEF Unison. Mr. Askarbekov has a specialist degree from Kyrgyz University of Economics and is currently working on his doctoral in economics (PhD) degree. He is responsible for the overall financial management, office management and accountancy of CEF UNISON.

Robert Mambetkaziev, is the IT Manager and Environmental Expert. He graduated with an environmental law degree from International University Kyrgyzstan. He is currently working on his master's degree in civil law from Kyrgyz State Juridical Academy. Mr. Mambetkaziev is responsible for IT support, web design and environmental analyses.



Aibek Askarbekov, as a graduated energy engineer is the main **energy expert** of CEF Unison. Mr. Askarbekov provides energy advisory, energy audits, energy certification of buildings in compliance with European Directive on Energy Performance of Buildings. Mr. Askarbekov has experience in Energy Performance Contracting procedures.



Ruslan Botpaev is Unison's renewable **energy expert**. He received his Bachelor of Science and Master's of Science from Kyrgyz State Technical University in electro energy and renewable energy sources. While with Unison, he continues to work on his doctorate on renewable energy at Kyrgyz Technical University. He has also studied at Kassel University in Germany. Mr. Botpaev is responsible creating informational pamphlets on energy saving techniques and the use of renewable energy sources. He also assists on the implementation of projects dealing with installing energy saving measures.



Gulzada Duishenalieva, is a **Project Assistant**. She currently studies accounting at Kyrgyz University of Economics. At the Unison office she assists all staff members and, in particular, a financial manager. Gulzada also helps on logistics and organization of seminars, conferences and trainings.



Nurgul Esenamanova is the office manager for CEF Unison. She has translator background and speaks Kyrgyz, Russian, French and English. Ms. Esenamanova received her bachelor degree from the International Communications Faculty at Arabaev University in Kyrgyzstan. She is responsible for the everyday operations of the office.



Justin Streen, is a Peace Corps volunteer, from the United States. He assists the rest of the Unison staff, on their projects and their work. He works on transferring skills on improving NGO management. Justin has been living in Kyrgyzstan since July 2006.

Energy flow of Kyrgyzstan for 2004

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