



## **UNECE Convention on Long-range Transboundary Air Pollution and Sustainable Energy Division**

**Final meeting of the CAPACT project including seminar on  
Appropriate pricing reforms regarding coal, heat, and electricity to facilitate investments for  
deployment of Coal Clean Technologies (CCTs)**

**4-6 July 2007, Almaty, Kazakhstan**

**Venue:** Hotel Altyn Kargaly (TBC)  
**Organizer:** United Nations Economic Commission for Europe  
**Financial support:** UN Development Account

### **Background**

This is the final international meeting of the project “Capacity Building for Air Quality Management and the Application of Clean Coal Combustion Technologies in Central Asia” (CAPACT).

The meeting brings together representatives from the energy sector in Central Asia and the environmental sector of all EECCA countries. Energy and environmental sessions will be held in parallel, with the exception of two joint sessions and the concluding Project Working Group meeting.

The main themes of the joint sessions will be appropriate pricing reforms to facilitate investments for deployment of clean coal technologies and abatement technologies and the role of Kyoto flexible mechanisms, in particular the Clean Development Mechanism and Joint Implementation. The energy sessions will further include: Comparative economic analysis of different energy efficient measures, Different fossil fuel systems with carbon capture and storage and Comprehensive cost-effective analysis versus performance of energy efficient measures. In the environment sessions, the focus will be on abatement of pollution and air quality management.

## Programme

### Day 1 (4th July, Wednesday)

Time	Work plan	
9.00-9.15	<i>Registration of participants</i>	
9.15-9.30	Opening of the meeting.	
	<b>Session 1. Energy session: Introduction</b>	
9.30-13.00	<ul style="list-style-type: none"> <li>• Overview of the results achieved within the Work Packages 4 and 6 of the project during 2006-2007 (UNECE Regional Adviser E. Nadezhdin).</li> <li>• Analysis of energy sector reforms as a part of a broader process of macroeconomic restructuring including improvement of the environmental performance of the energy sector (National Coordinators, National Consultants and Experts, International Consulting Company)</li> </ul>	
13.00-14.00	<b>Lunch</b>	
14.00-16.00	<b>Session 2. Joint energy and environmental session: National energy pricing and taxation reform</b>	
	<ul style="list-style-type: none"> <li>▪ Introduction: The CAPACT project, the program of the meeting (Regional Advisers: B. Libert, E. Nadezhdin, UNECE);</li> <li>▪ Review of the current situation, problems and trends in the application of environment-related energy taxes in Central Asian countries. Adaptation of the taxation policy to environmental requirements (“greening” of tax systems) and a role of energy taxes in these processes (International consulting company).</li> <li>▪ Andrzej Jagusiewicz, Poland, Application and effect of energy taxes in Poland</li> <li>▪ Assessment of the national energy price reforms in the countries of Central Asia and their relationship to the impact on the environment. (A. Sevostyanov, RUSDEM)</li> <li>▪ E.Zenytych, Nizjegorodskiy regional innovation centre for energy saving, The selection and development of business plans of the projects in the area of energy-efficient clean coal technologies in Central Asia.</li> </ul>	
16.00 -16.15	Coffee break	
	<b>Session 3. Energy: Pricing and taxation reform.</b>	<b>Session 3a. Environment: The EMEP-EANET monitoring systems and establishment of the monitoring station in Borovoe</b>
16.00 -18.00	<ul style="list-style-type: none"> <li>▪ National energy pricing reforms in Central Asian countries and their links to enhancing the environment (National Coordinators, National Consultants and Experts, International Consulting Company)</li> <li>▪ Objectives of the taxation reform and the extent to which environmental concerns have been taken into account. Involvement of Energy Ministries in the taxation reform process (National Coordinators, National Consultants and Experts, International Consulting Company)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Leong on EANET</li> <li>▪ Galina Grigoryeva, Kazhydromet, Presentation of the new EMEP station in Borovoe</li> <li>▪ Kjetil Torseth, MSC-West, Norway: Cost-estimates for running costs of EMEP stations</li> <li>▪ EMEP plans underway in Moldova, Armenia and Georgia</li> <li>▪ Ilya Ilin, MSC-East - Annual mean concentrations of air and total annual depositions of Pb and PCB-153 in Central Asia - Preliminary results</li> </ul>
18.30	<b>Reception</b>	

## Day 2 (5th July, Thursday)

09.30 –11.00	<b>Session 3: Energy to be continued</b>	<b>Session 3b. Environment: National programme and implementation plan for ratification of CLRTAP Protocols in Kazakhstan</b>
	<ul style="list-style-type: none"> <li>▪ National energy pricing reforms in Central Asian countries and their links to enhancing the environment (National Coordinators, National Consultants and Experts, International Consulting Company)</li> <li>▪ Objectives of the taxation reform and the extent to which environmental concerns have been taken into account. Involvement of Energy Ministries in the taxation reform process (National Coordinators, National Consultants and Experts, International Consulting Company)</li> </ul>	<ul style="list-style-type: none"> <li>• Irina Yesserkepova, KazNIIIEK - Presentation of a Kazakh national programme for the ratification and implementation of CLRTAP Protocols</li> <li>• Lars Nordberg, Sweden – Comments on the Kazakh national programme and Overview of the most important CLRTAP Protocols</li> </ul>
11.00 –11.15	Coffee break	
11.15 –13.00	<b>Session 4. Joint energy and environmental session: Measures to decrease pollution in the energy and other sectors.</b>	
	<ul style="list-style-type: none"> <li>▪ Most appropriate energy efficiency measures to be introduced in heat and power generation sectors of Central Asian countries taking into account the following general approaches: cost effectiveness and payback period; potential benefit to environment; contribute to sustainable development; required investments and etc. (International Consultant, National Coordinators, National Consultants and Experts)</li> <li>▪ Different fossil fuel systems with carbon capture and storage (carbon dioxide capture, transportation, storage) that could be used in Central Asian heat and power generation sectors in order to implement environmental requirements (International Consultant, National Coordinators, National Consultants and Experts)</li> <li>▪ Comprehensive cost-effective analysis versus performance of energy efficient measures, clean coal technologies and fossil fuel systems with carbon capture and storage with special attention to environmental performance in terms of air pollution (International Consultant)</li> <li>▪ Jean-Guy BARTAIRE, France, Tiziano Pignatelli, Italy - EGTEI – Cost-efficiency of abatement measures</li> <li>▪ Guzalia Safargaliyeva, Centre for Sustainable Production and Consumption, Almaty - Implementation of the international standards at the energy sector</li> </ul>	
13.00 -14.00	<b>Lunch</b>	

14.00 –15.30	<b>Session 5. Energy to be continued</b>	<b>Session 5a. CLRTAP Action Plan for EECCA countries</b>
	<ul style="list-style-type: none"> <li>▪ National energy pricing reforms in Central Asian countries and their links to enhancing the environment (National Coordinators, National Consultants and Experts, International Consulting Company)</li> <li>▪ Objectives of the taxation reform and the extent to which environmental concerns have been taken into account. Involvement of Energy Ministries in the taxation reform process (National Coordinators, National Consultants and Experts, International Consulting Company)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Bo Libert, UNECE – Proposal of a new Action Plan for EECCA countries</li> <li>▪ Kubanychbek Monolbaev, WHO, Bishkek - EECCA participation in work on health effects</li> <li>▪ Heinz Gregor, Germany - Effects cooperation</li> <li>▪ Discussion</li> </ul>
15.30 –15.45	Coffee break	
15.45 –18.00	<b>Session 5: Energy</b>	<b>Session 5b. Environment: Subregional cooperation in Central Asia</b>
	<ul style="list-style-type: none"> <li>▪ Review of the different financial mechanisms that could promote investments in deployment of appropriate and commercially viable energy efficient measures and Clean Coal Technologies in the region (International Consultant)</li> <li>▪ Financial mechanisms that are being used in Central Asian countries in order to promote energy efficiency measures and new technologies for heat and thermal power generation sector using coal as a fuel (National Coordinators, National Consultants and Experts)</li> <li>▪ A. Loskutov, Vice-principal on study of Nizjegorodskiy state technical university, Possible funding mechanisms of the Kyoto Protocol to attract investment for the production of heat and electricity</li> </ul>	<ul style="list-style-type: none"> <li>▪ Presentation of project proposal from Uzbekistan/UNEP Bangkok.</li> <li>▪ Discussion</li> </ul>
18.30	<b>Excursion and dinner</b>	

**Day 3 (6th July, Friday)**

09.30 -11.00	<b>Session 6. Joint energy and environmental session: Role of Kyoto flexible mechanisms, in particular the Clean Development Mechanism (CDM) and Joint Implementation (JI).</b>
	<ul style="list-style-type: none"><li>▪ Overview of the Kyoto Cooperative Mechanisms (International Emissions Trading, Joint Implementation (JI) and Clean Development Mechanism (CDM)) and National Plans of Action for implementing Kyoto Protocol in Central Asia (International Consultant, National Coordinators, National Consultants and Experts)</li><li>▪ Review of the role of Emission Trading Mechanism in Central Asian Clean Energy Finance (International Consultant, National Coordinators, National Consultants and Experts)</li><li>▪ Joint Implementation Mechanism and Clean Development Mechanism utilization in Central Asia taking as an example of 1-2 projects that have been developed within the CAPACT (International Consultant)</li><li>▪ Alexey Cherednichenko, KazNIIIEK The potential of Kazakhstan on GHG emission reduction and possibilities for participation in flexible mechanisms</li><li>▪ A. Loskutov, Vice-principal on study of NSTU, Mechanisms of Kyoto protocol, and their potential for implementation of clean coal technologies and conservation of the environment in Central Asia</li></ul>
11.00 -11.15	Coffee break
11.15 -14.00	<b>Session 7. Joint session: Project working group meeting – Results of project implementation</b> (See separate Agenda)
14.00 -15.00	<b>Lunch and departure</b>

**Agenda of the Third Meeting of the Project Working Group of the UNECE Project “Capacity Building for Air Quality Management and the Application of Clean Coal Combustion Technologies in Central Asia”  
July 6, 2007, Almaty, Kazakhstan**

1. Opening the meeting.
2. Approval of the Agenda
3. Election of Offices
4. Presentation of results achieved within the Working Packages 1-3 during the implementation of the project “Capacity Building for Air Quality Management and the Application of Clean Coal Combustion Technologies in Central Asia” (UNECE Regional Adviser B. Libert).
5. Presentation of results achieved within the Working Packages 4-6 during the implementation of the project “Capacity Building for Air Quality Management and the Application of Clean Coal Combustion Technologies in Central Asia” (UNECE Regional Adviser E. Nadezhdin).
6. Comparative economic analysis of different energy efficient measures, clean coal technologies and fossil fuel systems with carbon capture and storage will allow managers from Central Asian countries to develop projects for introducing low cost, fast payback cleaner technologies for the heat and power generation sector in sub-region (International consultant)
7. Recommendations for using the most appropriate Kyoto Cooperative Mechanisms and financial mechanisms in Central Asian countries in order to promote development of clean energy technologies with the purpose to implement the UNECE Convention on Long-Range Transboundary Air Pollution (CLRTAP). (International consulting company)
8. Conclusions and recommendations of the project  
(National Coordinators, National Consultants and Expert, UNECE Regional Advisers: B. Libert and E. Nadezhdin).
9. Approval of final documents.
10. Other business.

**For information concerning application to the workshop, logistics and related issues, please, contact**

Mr Bo Libert, Regional advisor on environment  
UNECE Secretariat, mail: [bo.libert@unece.org](mailto:bo.libert@unece.org)

Mr Evgeniy Nadezhdin, Regional advisor on energy  
UNECE Secretariat, mail: [evgeniy.nadezhdin@unece.org](mailto:evgeniy.nadezhdin@unece.org)