



United Nations Economic Commission for Europe (UNECE)
Sustainable Energy Division, www.unece.org/ie

**UNECE REGIONAL ADVISORY SERVICES PROGRAMME
IN THE FIELD ENERGY DURING July 2005 -November 2006**

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- **The forms and methods of operational activities undertaken vary according to the needs of the recipient countries and the sub-regions, but invariably involve a combination of the following: the preparation and implementation of specific programmes, both issue-oriented and sub-regional in nature; the preparation of project proposals for funding by international organizations and donor countries; the development and preparation of substantive studies with participating countries relating to policy issues and energy strategies**



- 6 sub-regional and 9 countries' oriented projects are being implemented now

**Work has completed since 14 session of the
Committee on Sustainable Energy**

- Phase “B” of the project “Removing Barriers to Energy Efficiency Improvements in the State Sector in Belarus



Activity has started since 14 session of the Committee on Sustainable Energy

- **Project Working Group on Water and Energy Resources in Central Asia (International conference on strengthening sub-regional economic cooperation in Central Asia and the future role of SPECA, 25-27 May 2005)**



- **Project “Elaborate Strategy of Fuel and Energy Complex Development for the EurAsEC member States until year 2020”**
- **EurAsEC High Level Energy Experts Group on Elaboration of Agreed Mechanism of Water-Energy Resources Management in the Amu Darya and Syr Darya Basins**



Projects of sub-regional nature that are being implemented:

- **Project “Capacity Building for Air Quality Management and the Application of Clean Coal Combustion Technologies in Central Asia”**

The objective of the project is to strengthen the capacity of air quality management institutions in Central Asia to implement the UNECE Convention on Long-Range Transboundary Air Pollution and its protocols as well as to promote the application of appropriate clean coal combustion technologies for heat and power generation from solid fuels.



- **Second seminar “Economic, Legal, Environmental, Institutional, and Regulatory Policy Measures Supported by Appropriate Energy Pricing Reforms Needed for Deployment of Appropriate, Cost Effective and Commercially Available CCTs”.**
- **Second meeting of the Project Working Group and the seminar were held from 12 to 14 October 2005 in Almaty, Kazakhstan.**



- **State of the art of energy policy and strategy in the Central Asia countries and future development of their fuel and energy complex**
- **National energy pricing reforms in Central Asian countries and their links to enhancing the environment with regard to air pollution in the region from full-scale deployment of appropriate CCTs**
- **Study “Criteria development: selecting projects in the field of acceptable energy-efficient clean coal technologies in the Central Asia countries. Training programmes for their utilization”**



Training program on promoting investment project finance for the deployment of clean coal technologies

- **First training workshop was focused on energy and environmental audits of energy enterprises, including solid fuel burning and energy transport systems, and final consumption of such enterprises. 4-7 July 2006, Almaty, Kazakhstan**
- **Second training workshop was focused on investment project development, feasibility study and financial analysis of projects aimed at utilization of energy-efficient clean coal burning technologies, selection of specific energy efficiency measures to be implemented within the projects. 14-17 November 2006, Almaty, Kazakhstan**



Development of Sub-Regional Network for Energy Related Emission Reductions

- **Concept of Creating Air Monitoring and Air Quality Management Information System**
- **Software has been developed with the following tasks: monitoring enterprises using coal as a fuel, audit of its quality, ecological compatibility, efficiency on the basis of the international and national standards and requirements, an estimation of energy and ecological situations, degrees of their safety and an estimation of risks, and also development of administrative decisions on maintenance of rational manufacture**



- **First training workshop on learning how new software can be used within the National Informational-Analytical Centers for generating recommendations and air quality management decision-making in the energy sector**
- **A dedicated Project Website has also been developed in both English and Russian languages and is available at:**
<http://www.unece.org/ie/capact>



Project Working Group on Water and Energy Resources in Central Asia

- **First Session of the PWG 10-12 October 2005**
 - **Review of the recent policy developments and its implementation status in the water and energy sectors in the SPECA member countries**



- Possible actions at the national and sub-regional levels to pursue the implementation of the Plan of Action of the SPECA Cooperation Strategy**
- Terms of Reference of the SPECA Project Working Group on Water and Energy Resources**
- The Work Programme of the SPECA Project Working Group on Water and Energy Resources for 2005-2007**



- **Workshop on Energy for Sustainable Development in Central Asia**
 - capacity building for improving energy efficiency and conservation in SPECA countries.
 - promote renewable energy such as solar, wind and small hydro-power as alternative resources in support of sustainable development, in particular for remote and isolated areas



- **Second Session of the PWG 10-12 October 2005
on Water and Energy Resources in Central Asia
17 November 2006**
 - coordinated SPECA energy system could also serve as a bridge or corridor between the energy systems in Europe and Asia.
 - energy efficiency and conservation integrated in the energy sector development policies and strategies of SPECA member countries
 - necessity to create such market conditions that enable investment promotion of energy efficiency and development of renewable energy sources



- **Project “Financing Energy Efficiency Investments for Climate Change Mitigation”**
 - to identify and to prepare, according to sound banking principals and rules, an attractive pipeline of bankable proposals
 - 10 business plans in Belarus
 - 2 business plans in Kazakhstan
 - 6 business plans in Russian Federation
 - 4 business plans in Ukraine
 - total investments more than 70 \$ US



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Thank you for your attention