



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

Capacity Building for Air Quality Management and the Application of Clean Coal Combustion Technologies in Central Asia

**Project Proposal Submitted for Funding under
Fourth Tranche of UN Development Account
2004-2006**

UNECE Ad Hoc Group of Experts on Coal in Sustainable Development
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Project Objective

- (i) to strengthen the capacity of air quality management institutions in Central Asia to implement the UNECE Convention on Long-Range Transboundary Air Pollution Convention (CLRTAP) and its Protocols; and**
- (ii) to promote the deployment of appropriate clean coal combustion technologies (CCTs) for heat and power generation from solid fuels in Central Asia.**



Project Details

UNDA: Project submitted for funding under Fourth Tranche of UN Development Account (UNDA). Proposal still, however, subject to review and approval of intergovernmental process. Further details of this and other project proposals available at: www.un.org/esa/devaccount/

Duration of Project: 2004-2006

Implementing Entities: ECE in collaboration with ESCAP and UNEP Regional Resource Centre for Asia and the Pacific

Budget: USD 680,000



Why link air quality management with CCTs within this project?

- Bulk of electricity generated in Central Asia is based on thermal power;
- National policies are favouring use of coal for electricity;
- Kazakhstan, Uzbekistan and Kyrgstan use solid fuels (hard coal and lignite) with high ash and sulphur content;
- Total production of 80 Mt ...set to increase to 90 Mt by 2005;
- Coal is burned in some 40 coal-based stations – key source of pollution;
- Plants operating at very low efficiency levels.



Expected Accomplishments of Coal-Related Aspects

- Establishment of sub-regional network comprising Central Asian experts on CCTs and investment project finance;**
- Review of energy policy and pricing reforms relevant to promotion of appropriate CCTs;**
- Assessment of specific policy options and pricing reforms needed to support selected case study investment projects for CCT deployment;**
- Enhanced capacity to identify and develop investment projects for introduction of low-cost, fast payback CCTs for heat and power sector in Central Asia; and**
- Greater awareness of modalities of project finance, guarantee mechanisms and sources of investment available for reducing air pollution emissions through introduction of energy efficiency measures and best practice CCTs.**



Conclusion

- High probability project will be approved December 2003;**
- If ultimate objectives of Project are achieved then local populations in the region will benefit as will the thermal power sector;**
- Key project for Ad Hoc Group of Experts on Coal in Sustainable Development:**
 - external funding**
 - tangible outcomes**
 - opportunities to seek additional funding from other sources**
 - once first phase of project completed potential to expand projects to other countries e.g. Russia, Ukraine.**