



UNECE United Nations Economic Commission for Europe

SUSTAINABLE ENERGY

# Ad Hoc Group of Experts on Coal in Sustainable Development and The CAPACT Project:

Update for Extended Bureau of the  
Committee on Sustainable Energy

CLARK TALKINGTON  
SECRETARIAT  
14 DECEMBER 2005





**UNECE PROGRAMME ON COAL**

**Ad Hoc Group of  
Experts on Coal in  
Sustainable  
Development**

**CAPACT  
Project**

**Ad Hoc Group of  
Experts on Coal  
Mine  
Methane**

**Task Force on  
Economic Benefits  
Improving Mine  
Safety Through  
Extraction & Use  
Of CMM**



## Status of AHGE on Coal in Sustainable Development

- Staffing
  - Fully staffed since Sept 2005 with hiring of new staff member in IREEDD
- Meetings
  - Last meeting Dec 2004
    - Report to Extended Bureau by Ms. Griffiths - 9 Dec 2004
  - Next meetings
    - 2-3 February 2006 (rescheduled from 17-18 Nov 2005)
    - 16-17 November 2006



## Coal Industry in 2005 & 2006

### Positive developments

- High demand
- High prices
- Long-term reserves
- Viewed as essential to energy future, even by strong proponents of renewables
- Industry restructuring successful in many countries
- Privatized mines in CEE & CIS becoming profitable and
- Progress in R&D of clean coal technologies and carbon capture and storage

### Continuing Challenges

- Still viewed by some as “dirty” fuel
- Must be competitive in a carbon-constrained world
- Mine safety still a problem for some countries
- Restructuring still not complete in some countries (eg, Ukraine)
- Lingering social impacts from restructuring
- Gap created by differing expectations for technology transfer



## AHGE Must Target Issues Necessary for Sustainability of the Coal Industry

- Linkage between energy development/security and environmental protection
  - Clean coal combustion technologies
  - Coal gasification
  - Carbon capture and storage
  - Energy efficiency throughout the supply chain
  - Methane capture and use for mine safety and energy production
- Continued industry restructuring and mitigation of social and economic impacts of restructuring
- Project finance including the carbon markets



## Future Programme of Work

- **Consider reducing emphasis on coal supply and demand**
  - Data collected and analyzed by many other organizations
  - Limited response to annual UNECE surveys
- **Identify discrete tasks where AHGE can provide value-added**
  - Technology/knowledge transfer workshops on CCTs and CCS
  - Support G8 initiative on development of database of coal-fueled power plants in the CEE & CIS countries
  - Continue survey of coal industry restructuring, report on results, and identify opportunities to transfer lessons learned from successful models
  - Capacity building on project finance
  - Ad Hoc Group of Experts on Coal Mine Methane (AHGE on CMM)
  - Task Force on the Benefits of Improving Mine Safety (Task Force)
- **Involve key stakeholders in addition to government officials and coal industry**
- **Work closely with other international organizations to define complimentary programs and areas for mutual participation and support**



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# **CAPACT PROJECT**

**Capacity Building For Air Quality  
Management and The Application of  
Clean Coal Combustion Technologies  
in Central Asia**



# CAPACT Summary

- Extra-budgetary project funded by UN Development Account
- Currently in 4<sup>th</sup> Tranche: 2004-2006
- Objectives:
  - 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
  - to promote the deployment of appropriate clean coal combustion technologies (CCTs) for heat and power generation from solid fuels in Central Asia.



# Technology Transfer: Clean Coal Technologies

- Technical assistance to Central Asia on sustainable energy policy and energy pricing reforms and explore investment project finance for CCTs
- Introduce low-cost, fast pay-back methods for improvement energy efficiency and solid fuel combustion



## Activities since July 2005

- 12 October - 2<sup>nd</sup> Session of the Project Working Group
- 12-14 October – 2<sup>nd</sup> Seminar on “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”
- Studies Approved by Project Working Group:
  - Criteria Development; Selecting Projects in the Field of Acceptable Energy-Efficient Clean Coal Technologies in Central Asia and Training Programmes for their Utilisation”
  - Concept of Creating Air Monitoring and Air Quality Management Information System for Enterprises Using Coal as Fuel



## Contact Information

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