



## **SCREENING CHAPTER 25 SCIENCE AND RESEARCH**

### **AGENDA ITEM 4: Research Fund for Coal and Steel**

**Country Session: The Republic of TURKEY  
14 November 2005**



## RESEARCH ON COAL AND STEEL

- Since both sectors are very important for Turkey, there is considerable amount of coal and steel sector related research activities.
- There is noteworthy increase in research for coal and steel in recent years in Turkey.
- Since 2000, 909 publications related to steel and coal have been realized. (Publications have been searched in Science Citation Index)

Publications on Coal			Publications on Steel		
Year	Record Count of 409	%	Year	Record Count of 500	%
2005	62	15.2	2005	160	32.0
2004	107	26.2	2004	180	36.0
2003	78	19.1	2003	119	23.8
2002	60	14.7	2002	41	8.2
2001	57	13.9			
2000	45	11.0			



- Number of MSc and PhD theses for coal and steel in recent years according to the Higher Education Council's records are
  - 650 thesis on steel
  - 391 thesis on coal
- The most important initiative was launched by Turkish Coal Enterprises (TKI) in 2002. TKI determined the inventory of laboratory facilities of public institutions and universities involved in energy sector, studies made in those laboratories, researchers and their fields of expertise.
- The initiative covers following areas:
  - Fossil resources, (including coal)
  - Hydroelectric energy,
  - Nuclear energy,
  - New and renewable energy resources
  - Boron.



• Within this initiative, TKI has contacted with the institutions and universities that have laboratory facilities regarding fossil resources. Those institutions are:

- TKI
- Turkish Hard Coal Enterprise (TTK)
- TUBITAK
- DG for Mineral Research and Exploration (MTA)
- Turkish Petroleum Corp. (TPAO)
- The Electricity Generation Company (EUAS)
- Istanbul Technical University
- Middle East Technical University
- Hacettepe University
- Ankara University
- Dokuz Eylul University

• In this initiative, only the most important institutions and universities were contacted. However, nearly in all universities, there are researchers dealing with coal and steel personally.



- A branch for technological research has also been set up within TKI .
- Another programme has also been launched under the coordination of TKI to study the country's lignite coal potential in addition to the current process reserves.
- The purpose is to develop the current reserves and explore the lignite reserves in new basins.
- It is expected to be completed between 2005-2010.
- Within this period, 19 new areas are planned to be explored for coal.
- Since coal is the most important energy source and steel is one of the strategic sectors of Turkey, research activities in these sectors are of importance.





## **Research Fund for Coal and Steel**

Participation in the Research Fund for Coal and Steel by the date of accession will be considered following necessary analytical studies.