COAL: the global picture

EEF Dinner Debate 14.11.2012



Coal is the world's most abundant fossil fuel accounting for over 50% of global resources



Total world coal production reached a record level of 7.678 Mt in 2011, increasing by 6,6% over 2010



41% of global electricity in 2010 has been generated in coal-fired power stations



Source: World Coal Association, 2012

Coal accounted for nearly half of the increase in global energy use over the past decade



Coal has won the energy race in the first decade of the 21st century, but what comes next?

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Coal future and global climate policy – proactive approach for carbon footprint reduction is required

39.368 40.000 36.250 7% 3% 35.000 12% 32.224 13% 4% 30.000 21% 11% 16% 25.000 6% 20.043 14% 21% 19% 1%=2% Other Renewables 20.000 16% 2% **Biomass** 21% 15.000 14% 20% Hydro 1% 21% Nuclear 10.000 5% 43% 16% Gas 32% 1% 5.000 Oil 41% 17% Coal 0 2009 **New Policies Current Policies** 450 Scenario Scenario Scenario 2035

Development of the global electricity production, TWh

Source: IEA, World Energy Outlook, 2011

Coal combusture can become 90% cleaner through efficiency improvement and CCS technology



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