



Black Sea Economic Cooperation Organization (BSEC)

IV International Conference "Risk Management in Energy-2021"

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"Coal – Supporting Global Energy Security"

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ENERGY MANTRA

- Energy affordability and reliability are crucial to customers
- Energy security to underpin economy is crucial for governments



Coal and Clean Coal Technology

- Supports global economies
- Supports energy security



Climate Change

- Demands our focus
- Importance of diversified energy resources
- Collective responsibility
- 1.5 billion tonnes of extra emissions in 2021, despite Paris agreement
- Exclusion is not working

Clean Coal Conversation

- Coal Technologies are vital to achieve emissions targets
- Coal supports renewables and can coexist
- All fuels and all technologies are relevant
- Coal as enabler of modern society in steel and cement

Coal

- World's largest single source of electricity and will still contribute 22% in 2040.
- Over 70% of global steel production relies on coal
- Increased urbanisation estimates 2/3 of world population (6.6 billion people) living in towns and cities by 2050. Will require steel, cement and reliable baseload electricity grids – like coal.
- Wind power manufacturing, IEA estimates by 2040, will require 185 million tonnes of coking coal, equivalent to 18% of world production in 2018.

PHASE IN

- New Technology
- Supporting
 - Economic development
 - 'ESG' considerations



CARBON CAPTURE UTILISATION AND STORAGE (CCUS) - WHY WE NEED IT:

- No credible 100% renewable scenario
- Reaching Paris targets 138% more expensive without CCUS.



CARBON CAPTURE UTILISATION AND STORAGE (CCUS) - WHAT IT NEEDS:

- Policy Support
- Investment
- Innovation

Clean Coal Technologies for the
1000+ coal plants under
construction



BSEC MEMBER STATES

- Cooperation and leading by example
- Choice and opportunities in energy decisions
- Collaboration, cooperation and appreciation of the available options

CONCLUSION

- Innovation and Adaptive Technology Solutions exists
- All fuels and all technology needs to be considered
- Collaboration required

Spasiba Bolshoi
teşekkür ederim
Thank you





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