8th Workshop on Cofiring Biomass with Coal

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SCOPE OF PRESENTATION

• Welcome remarks

• IEACCC: what we do and why we do it

• Overview of the workshop programme
• To continue to provide our members, the IEA Working Party on Fossil Fuels and other interested parties with objective information and analysis on all coal related trends compatible with the UN Sustainable Development Goals.
Our operating framework is designed to identify and publicise the best practice in every aspect of the coal production, transport, processing and utilisation chain within the rationale for balancing security of supply, affordability and environmental issues, thereby countering any unwanted impacts to ensure the wellbeing of societies worldwide.

We consider policy and regulatory issues as well efficiency improvements, lowering greenhouse- and non greenhouse-gas emissions, reducing water stress, financial resourcing, market issues, technology development and deployment, ensuring poverty alleviation through universal access to robust and reliable electricity, sustainability, and social licence to operate.
THE NEED TO BALANCE KEY ISSUES

The Energy Trilemma

- Environment & Climate Protection
- Security of Energy Supply
- Energy Costs
Four interlinked activities within our work programme:

• Assessment studies for the sustainable use of coal in a carbon constrained world, covering policy and regulatory considerations, global funding options, markets, social acceptance and a wide range of technology related issues. Output of each study includes a comprehensive report and a separate policy relevant executive summary.

• Outreach activities, increasingly in developing and industrialising countries, often in collaboration with like-minded organisations.

• Dissemination activities via website, the press and other media sources.

• Provision of specialist support upon request to individual members.
• We hold a CCT conference every other year, so far in Europe in line with the wishes of our attendees

• We hold specialist workshops series on advanced HELE Development and Deployment, Mercury Emissions and Multi-Pollutant Control, Cofiring Coal and Biomass, and Coal Quality Issues. These each take place either every year or every other year, increasingly in developing countries and industrialising nations

• We are examining options to initiate a workshop on non-energy uses for coal
• We have worked in collaboration with many organisations, including the UNECE, UN Environment, the US Department of State, the National Energy Administration of China, the UK FCO and the World Bank
• We work with the UNECE on HELE and CCUS/CCS coal power issues, including organising events in Kazakhstan with support from their Ministry of Energy as part of the UN Sustainable Energy Forum
• We undertake mercury emissions capacity building in SE Asia and other developing regions with support from UN Environment
• We link in efficiency studies to some events via US Department of State
• We provide non-financial support for other workshops and conferences that complement our own activities (e.g. TU Freiberg June 2018 Conference on Coal and the Circular Economy)
COFIRING COAL AND BIOMASS WORKSHOPS

- January 2011, Drax, UK
- March 2012, Copenhagen, Denmark
- June 2013, Groningen, Netherlands
- November 2014, State College, US
- September 2015, Drax, UK
- September 2016, Sardinia, Italy
- June 2017, Beijing, China
- September 2018, Copenhagen, Denmark

2 days of sessions & keynotes from leading industry figures covering all aspects of cofiring technologies

Knowledge sharing aimed to help developing countries use crop residues rather than wood pellets

Discussion of incentivisation options from a developing country’s perspective

Excellent opportunity to mix with government agencies, regulators, utilities, consultants, suppliers and academia
All issues on cofiring biomass with coal

- Knowledge transfer to help developing countries to use crop residues and forestry wastes and sludge
- Incentivisation options from developing country perspectives
- Large scale demonstration projects on coal-fired power plants to determine the applicability of various cofiring techniques

Photos: Zhang (2017)
12 September 2018

• International cofiring activities

• Case studies and demonstrations

• Fire prevention

• Biomass pre-treatment

13 September 2018

• Industry development

• Research & industry development

• Research & development
THANK YOU FOR LISTENING

ANY QUESTIONS?

Dr Andrew Minchener OBE