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**The European Technology Platform**  
**“Zero Emission Fossil Fuel Power Plants” (TP ZEP)**

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Abstract

Climate change is one of the most serious challenges faced by humankind today and one of the most effective solutions for reducing CO<sub>2</sub> emissions will be the introduction of zero emission fossil fuel power plants, incorporating CO<sub>2</sub> capture and storage technology (CCS). The European Commission, European Energy Industry, NGO's and Research Community have therefore established a European Technology Platform for “Zero Emission Fossil Fuel Power Plants” (ZEP) in order to unite all key stakeholders in this field. Indeed it is represented not only by the utility, equipment manufacturing and oil and gas industries, but also by scientists, environmentalists and governmental bodies. The ZEP-platform is supervised by an advisory council with members of all those key stakeholders.

The mission is to enable commercially available zero emission fossil fuel power plants by 2020 and unite European Industry in developing and deploying new technologies. To this end ZEP has set out a clear road map for the wide scale deployment of CCS through its Strategic Deployment Document (SDD) and Strategic Research Agenda (SRA) – both overwhelmingly endorsed by all major European stakeholders. More than 10 full scale ZEP-projects have now been announced – and more are likely to come – all of which will require the active cooperation of governments, European institutions and industry to materialize.

The presentation will give an overview on the political framework, the different technology roots and the status of the announced projects