

Carbon Capture and Storage Related Activities in Germany

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Carbon Capture and Storage Related Activities in Germany

R&D Concept for Fossil Fuel Power Plants

COORETEC (CO₂ Reduction Technologies)

since 2004

integrated in the 5th Federal Energy Research Programme

published in July 2005

Federal Annual Budget 15 – 20 Mio. EURO

Short Term Priority: Increase of Efficiencies

Longer Term Priority: CCS, new Power Plant Concepts



Carbon Capture and Storage Related Activities in Germany

COORETEC Advisory Council

20-25 Members from
Federal and State Ministries
Utilities, Manufacturers
Research Institutes



Carbon Capture and Storage Related Activities in Germany

COORETEC Lighthouse Projects

(mostly public private partnership)

OXYFUEL - Universities Aachen and Dresden, other Universities and Industries

COORAMENT/COORIVA (IGCC) - University Freiberg

COOREFF (efficient gas and steam turbines) - Industries and Institutes

CO2SINK/KODIAK: European Storage Project Ketzin (CSLF project) – GFZ, Ind.



Carbon Capture and Storage Related Activities in Germany

Regional Networks/Centres of Excellence contributing to COORETEC

**NorthRhine-Westphalia Centre of Excellence
(Priority: Hard Coal PowerPlants)**

**Bavaria and Baden-Wuerttemberg „POWER 21“
(Priority: Gas Combined Cycle)**

**Brandenburg and Saxonia
(Priority: Lignite Power Plant Technologies)**

Carbon Capture and Storage Related Activities in Germany

International Cooperation

European Union

Technology Platform Zero Emission Fossil Fuel Power Plant
(Industry, NGO)

Research Projects of the EU Framework Programme
(Industries, Research Institutes)



Carbon Capture and Storage Related Activities in Germany

International Cooperation

International Energy Agency

CERT/WPFF

Implementing Agreement Coal Sciences

soon:

Implementing Agreement Greenhouse Gas R&D Programme

Implementing Agreement Clean Coal Centre