

Monday 9 February 2009

19.30 - 20.30 Ice Breaking Gathering, Grand Hotel

Tuesday 10 February 200908.00 **Registration**08.30 **Opening session:***Welcome and conference targets:* **Nils A. Røkke**, SINTEF Energiforskning AS*Opening presentation 1:* **Peter Petrov**, European Commission DG Research, Unit K2*Opening presentation 2:* **Olav Kårstad**, Special advisor CO₂, Technology and New Energy, CO₂, StatoilHydro ASA

09.15 Coffee Break

Chairman: **Marie Bysveen**, SINTEF Energiforskning AS09.45 **DECARBit***DECARBit: Enabling pre-combustion plants***Nils A. Røkke**, Co-ordinator DECARBit, SINTEF Energiforskning AS, Norway10.05 **CAESAR***CArbon-free Electricity production by Sewgs: Advanced materials, Reactor and process design***Daan Jansen**, Co-ordinator CAESAR, Energy research centre of the Netherlands, the Netherlands10.25 **CESAR***CESAR: CO₂ Enhanced Separation And Recovery***Peter van Os**, Co-ordinator CESAR, TNO, the Netherlands10.45 **CACHET***The CACHET Project - Project Overview & Results to Date***Richard Beavis**, Co-ordinator CACHET, BP, UK11.05 **ENCAP***ENCAP - five years of development of enhanced precombustion CO₂ capture technologies***Leif Brandels**, Co-ordinator ENCAP, Vattenfall AB, Sweden

11.30 Lunch

Chairman: **Daan Jansen**, ECN13.00 **DYNAMIS***DYNAMIS – Towards Hydrogen and Electricity Production with Carbon Dioxide Capture and Storage***Nils A. Røkke**, Co-ordinator DYNAMIS, SINTEF Energiforskning AS, Norway13.20 **CAPRICE***CO₂-Capture using Amine Processes: International Cooperation and Exchange***Jan Hopman**, Co-ordinator CAPRICE, TNO, the Netherlands13.40 **COACH***Preparing a demonstration of CCS in China: the contribution of COACH, a China-EU joint initiative***Jens Hetland**, SINTEF Energiforskning AS, Norway14.00 **ECCO***Towards realization of European Value Chains for CO₂ - progress of the ECCO-project***Petter E. Røkke**, SINTEF Energiforskning AS, Norway14.20 **NANOGLOWA***NANOGLOWA: Selective membranes for CO₂ capture***Paul Raats**, KEMA, the Netherlands

14.40 Coffee Break

Chairman: **Jan Hopman**, TNO

15.10	ULCOS <i>ULCOS – Revolutionary cuts in CO₂ emissions from Steel production. ULCOS = Ultra Low CO₂ Steel project.</i> Tore A. Torp , StatoilHydro, Norway
15.30	CLC GAS Power <i>Chemical-looping combustion of gas with inherent CO₂ capture - the CLC Gas Power project</i> Anders Lyngfelt , Chalmers University of Technology, Sweden
15.50	DYNAMIS <i>Recommendations for a HYPOGEN plant in Europe</i> Charles Eickhoff , Progressive Energy Ltd, UK
18.00	Visit to the new Opera House
20.00	Conference dinner - Grand Hotel

Wednesday 11 February 2009

	Session 1: Post-combustion Chairman: Earl Goetheer , TNO	Session 2: Oxyfuel- and pre-combustion Chairman: Marie Anheden , Vattenfall
08.30	CESAR <i>Pilot Scale Testing in CESAR</i> Jacob Nygaard Knudsen , DONG Energy Generation A/S, Denmark	ENCAP <i>Experiences from the 30MW oxyfuel pilot plant</i> Marie Anheden , Vattenfall Research and Development A Sweden
08.50	CESAR <i>Solvent developments in CESAR</i> Eirik Falck da Silva , SINTEF, Norway	ENCAP <i>Formation and destruction of pollutants in the oxyfuel combustion process</i> Joerg Maier , IVD, Germany
09.10	CAPRICE <i>Pilot plant data validation in CAPRICE</i> Hallvard Svendsen , NTNU, Norway	ENCAP <i>Modeling of H₂-rich combustion</i> Andrea Gruber , SINTEF Energiforskning AS, Norway
09.30	NANOGLOWA <i>Challenges on membrane upscaling for industrial testing - sharing some thoughts from the Nanoglowa project.</i> May-Britt Hägg , NTNU, Norway	ENCAP <i>Pre-combustion capture technologies for different fuels</i> Frank Buschsieweke , RWE Power AG, Germany
09.50	Coffee Break	
	Session 3: Pre-combustion Chairman: Olav Bolland , NTNU	Session 4: Transport and Storage Chairman: Paul Broutin , IFP
10.20	DECARBit <i>Integration of Advanced pre-combustion technologies for the next generation of carbon capture plants.</i> Allen Pfeffer , Alstom Power, UK	DYNAMIS <i>Costs of CO₂ pipeline transport.</i> Erika de Visser , Ecofys Netherlands b.v., the Netherlands
10.40	CACHET <i>Hydrogen Generation System (HyGenSys)</i> Fabrice Giroudiere , IFP, France	CO₂ REMOVE <i>Monitoring and verification technology for deep subsurface CO₂ storage</i> Ton Wildenborg , TNO, the Netherlands
11.00	CACHET <i>Hydrogen membrane reactors for pre-combustion CO₂ capture</i> Daan Jansen , ECN, the Netherlands	DYNAMIS <i>Recommendations for storage sites – methodology and results</i> Olivier Vincke , IFP, France
11.20	CACHET <i>Chemical-looping technologies for hydrogen production with CO₂ capture</i> Anders Lyngfelt , Chalmers University, Sweden	DYNAMIS <i>Storage of CO₂ Offshore Denmark Brine Formation</i> Nicolas Maurand , IFP, France
11.40	CACHET <i>Sorption Enhanced Water Gas Shift: Technology for Pre-Combustion Carbon Capture</i> Vince White , Air Products	DYNAMIS <i>Storage of CO₂ North Sea Brine Formation</i> Ton Wildenborg , TNO, the Netherlands

12.00	Lunch	
	Session 3: Pre-combustion Chairman: Richard Beavis , BP	Session 4: Transport and Storage Chairman: Ruud van den Brink , ECN
13.30	DECARBit <i>Advanced pre-combustion CO₂ separation using membranes, sorbents and solvent systems</i> Joris IJzermans , TNO, the Netherlands	CO2SINK <i>CO₂ Storage by Injection into a Natural Saline Aquifer at Ketzin (Germany)</i> Michael Kühn , GFZ, Germany
13.50	DECARBit <i>Oxygen separation technologies for IGCC: Overview and focus on sorbent based technologies</i> Benoit Davidian , Air Liquide and John Roesler, IFP, France	EU GeoCapacity <i>Results of the EU GeoCapacity project</i> Vit Hladik , Czech Geological Survey, Czech Republic
14.10	DECARBit <i>Improvements in numerical modelling of hydrogen combustion at gas turbine conditions</i> Nils E. Haugen , SINTEF Energiforskning AS, Norway	DYNAMIS <i>Storage of CO₂ in a North Sea oil field</i> Nicolas Maurand , IFP, France
14.30	CAESAR <i>Sorbent development at ECN and SINTEF</i> Paul Cobden , ECN, the Netherlands	DYNAMIS <i>A study of Johansen Formation located offshore Monstad a candidate for permanent CO₂ storage</i> Idar Akervoll , SINTEF Petroleumsforskning AS, Norway
14.50	CAESAR <i>SEWGS applications and process integration</i> Giampaolo Manzolini , Dipartimento di Energia, Politecnico di Milano, Italy	
15.10	Summary of conference and closing remarks	