

Invitation to the
BIGCCS Final Conference
- Results from the BIGCCS Centre

After eight years in operation, the BIGCCS Centre ends in December 2016. We would therefore, like to invite you to our BIGCCS Final Conference, held in

Trondheim on October 26-27, 2016
at Clarion Hotel & Congress



Draft Conference Program



October 26

INTRODUCTION (0930-1130)

Welcome

BIGCCS in perspective

Nils A. Røkke, Director Sustainability, SINTEF

TBD

Industry representative... TBD

The FME scheme – 8 years of experience

Åse Slagtern, Special Adviser, Research Council of Norway

The Norwegian full-scale CCS project

Kristin Myskja, title, OED

"BIGCCS in 6 minutes"

TBD

1130-1230 Lunch/Posters

CO₂ STORAGE (1230-1400)

Introduction – BIGCCS paving the way for large-scale CO₂ storage

Grethe Tangen, SINTEF Petroleum Research

Pressured by saturation and uncertainty? Monitoring helps!

Peder Eliasson, SINTEF Petroleum Research

Geomechanics, the libero player: From capacity estimate to monitoring via near-well integrity

Pierre Cerasi, SINTEF Petroleum Research

Geomechanical issues associated with CO₂ storage reservoirs

Sohrab Gheibi, PhD student, NTNU

Avoiding CO₂ leakage through active and abandoned wells

Malin Torsæter, SINTEF Petroleum Research

Report from international research partner on well integrity – title TBD (short video)

Susan Carroll, Lawrence Livermore National Laboratory

Large-scale CO₂ storage – The art of safely fitting cubic kilometres of CO₂ into tiny rock pores

Alv-Arne Grimstad, SINTEF Petroleum Research

1400-1500 Posters

CO₂ TRANSPORT (1500-1600)

CO₂ Transport – achievements summary Task 2.1 and 2.2

Svend Tollak Munkejord, Chief Scientist, SINTEF Energy Research

Presentation by Gassco

Gudmundur Kristjansson or Svein Solvang

1600-1615 Discussion

1615-1730 Posters

1900 Dinner at [Troll Restaurant](#), Fosenkaia

October 27

CO₂ CAPTURE (0830-1030)

Introduction – BIGCCS paving the way for CO₂ capture
Partow P. Henriksen, SINTEF Materials and Chemistry

Dynamic modelling at TCM
Nina Enaasen Flø, Technology Centre Mongstad

Efficiency and cost of CO₂ capture from the Natural Gas Combined Cycle – NGCC
Kristin Jordal, SINTEF Energy Research

Fabrication and development of ceramic membranes for pre-combustion CCS
Jonathan Polfus, SINTEF Materials and Chemistry

Development of model burner with distributed hydrogen fuel injection: from idea to laboratory
Andrea Gruber, SINTEF Energy Research

Oxy-Combustion – Chemical Looping Combustion
Video

Toward demonstration of Natural gas fired Oxyfuel power plant
Mario Ditaranto, SINTEF Energy Research

1030-1130 Posters

CO₂ VALUE CHAIN / ACADEMIA (1130-1300)

A Tool for Integrated Multi-criteria Assessment of the CCS Value Chain
Amy Brunsvold, SINTEF Energy Research

Illustration of the benefits of a value chain analysis tool through a cement case study
Simon Roussanaly, SINTEF Energy Research

Integrated techno-economic assessment for membrane-based CO₂ capture
Rahul Anantharaman, SINTEF Energy Research

Achievements of the Academia sub-program
Truls Gundersen, NTNU

Conclusions and final remarks
Mona Mølnvik, SINTEF Energy Research

1300-1400 Lunch/Posters