

# What's on 2012-2

# BIGCCS

International CCS  
Research Centre

[www.bigccs.no](http://www.bigccs.no)

## BIGCCS is present at GHGT-11

BIGCCS will be present at the GHGT-11 conference November 18-22, 2012, at the Kyoto International Conference Center, Japan. BIGCCS will have an exhibition stand at the conference and people representing the Centre will be present before, after, and in the breaks of, the scientific programme. BIGCCS contributes with 25 publications at the conference. The papers are collected and are available from the BIGCCS eRoom. The BIGCCS Scientific Committee will have their annual meeting in Kyoto in conjunction of the conference.



## First BIGCCS PhD completed

M.Sc. Alexandre Morin has submitted the following academic thesis as a part of the doctoral work at the Norwegian University of Science and Technology (NTNU), Department of Energy and Process Engineering: Mathematical Modelling and Numerical Simulation of Two-Phase Multi-Component Flows of CO<sub>2</sub> Mixtures in Pipes.



*Alexandre Morin*

- Trial lecture will be held on November 14, 2012 at 10:15 in Totalrommet, Main building, Gløshaugen on the following prescribed subject: The Role of Experimental Data in the Development of Models for Transient Multiphase Flow of CO<sub>2</sub> in Pipes.
- The public defense of the thesis takes place the same day at 13:15 in Totalrommet, Main building, Gløshaugen.

Professor Inge. R. Gran, Department of Energy and Process Engineering, has been the candidate's main supervisor. Senior Scientist Svend Tollak Munkejord, SINTEF Energy Research, has been the candidate's co-supervisor.

## Application for infrastructure investments

In October, an application for infrastructure investments for CCS research was filed under the coordination of the ECCSEL initiative; ECCSEL Norway CCS RI - Phase 1. BIGCCS contributed in the development, and the total amount applied for was NOK 77 million.



## A Central CO<sub>2</sub> storage facility

BIGCCS and SUCCESS have in cooperation with Gassnova established a pre-project to explore the potential for establishing a central CO<sub>2</sub> storage site on the Norwegian Continental Shelf.

The ambition is to identify knowledge gaps and how the research groups can contribute to close these gaps to support the development of a central CO<sub>2</sub> storage site. Further, the project will suggest an effective cooperation model for Norwegian R&D groups, involving governmental bodies and industry. The project involves Norwegian R&D institutions across current research projects on CO<sub>2</sub> storage and will be a means to coordinate on-going research.

On October 30, a workshop was organised among the research institutions to identify critical knowledge gaps. The industry will be invited to a meeting on December 4, where the findings are presented and discussed. It is planned to organise the meeting just after the next meeting in "CO<sub>2</sub> Lagringsforum", organised by the Norwegian Petroleum Directorate, December 4, 2012 in Stavanger.

## Mid-way evaluation

All FMEs (CEERs) are subject to a mid-term evaluation. Inputs from the Centre and all partners are due by the end of November, 2012. The evaluation, conducted by the Research Council of Norway, will be finalized during 2013.

## BIGCCS past events

The BIGCCS Consortium Day 2012 was held in Trondheim on September 19. Program and presentations can be found on the eRoom (partners only).

The BIGCCS PhD seminar was held on September 20, in Trondheim. Program and presentations can be found on the eRoom (partners only).

The BIGCCS General Assembly No.5 was held on September 20, 2012, in Trondheim Norway.

## BIGCCS upcoming meetings

BIGCCS Board meeting No. 9 is held November 29, 2012, in Trondheim.

The next BIGCCS Scientific Committee meeting is held on November 18, 2012, in Kyoto Japan.

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