



Newsletter

CO₂CARE

February 2013

International Conference on Greenhouse Gas Technologies -GHGT-11 in Kyoto



Kyoto International Conference center.
(Source: GFZ, Foto: C. Schmidt-Hattenberger)

The GHGT Conference is organised every two years and is a unique occasion for researchers to present R&D project results to the CCS community. In Kyoto up to 1300 participants exchanged their research findings in 300 oral communications and 600 poster presentations. Keynote presentations gave a clear view on the current state of energies, emphasising the potential benefit of CCS in a coal-energy developing world except for USA where shale gas production is definitively modifying the previous trend.

Industrial partners' also provided significant contributions, demonstrating their interest and involvement in research activities. Concerning pilot-site feedbacks many results were presented from the entire world experience. Up to 8 projects have started in the USA that are now pushing ahead the CCUS term highlighting possible utilisation of CO₂. The Gorgon Australian project was also illustrated such as the different European sites and the Japanese projects Nagaoka and Tomakomai were presented too. A large number of CO₂CARE partners were present and some preliminary results of the project have been presented in addition to previous European projects results such as CO2ReMoVe.

Today only 23 Mtons of CO₂ are stored per year with a total of 140 Mtons stored since CCS started. With such a trend, yearly stored volumes in 2020 will be about 120 Mtons of CO₂. This remains half below the IEA expected volume of 240 Mtons to be stored per year at horizon 2020 to fit with the blue map scenario. The remaining negative point still dealt with the public acceptance domain where local reluctance to CCS can be very important such as in Netherlands. A more optimistic view came from Spain where a group of experts contributed to public awareness and at least acceptance. Here lies our challenge!

The next 12th GHGT International Conference on Greenhouse Gas Technologies in October 2014 is hosted by the University of Texas at Austin, USA.

(Jean-Pierre Deflandre)

CO₂CARE - Annual Scientific Conference 2013 at TNO, Utrecht



Aerial view of the Maasvlakte (Source: Wikipedia)

The next CO₂CARE annual scientific conference is taking place between the 12th and 13th of March 2013 at TNO in Utrecht, The Netherlands. CO₂CARE project partners and other invited scientists who are working in the field of CO₂ storage and site abandonment will attend the conference as well as representatives of the European



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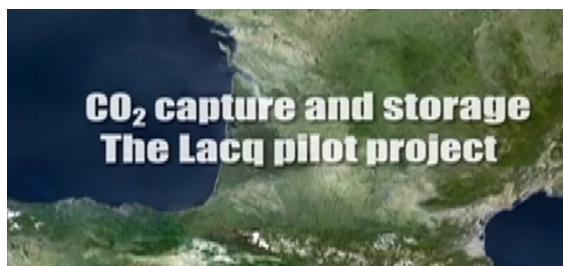
Commission and of the national authorities, which are the possible future regulators for CO₂ storage. As usual, the joint meeting of the CO₂CARE Steering Committee and the General Assembly is foreseen for the second day of the meeting as well as four work package related workshops.

An interesting full-day excursion to the E.ON Maasvlakte Power Plant 3 (including the CO₂ capture unit), harbour and industrial area near the city of Rotterdam, has been organised for the 14th of March. (Mario Wipki)

FAQ for the CO₂CARE website

In December 2012, 10 FAQ were added to our project website with focus on CO₂ storage and related issues such as risks for human health or the environment, responsibilities after site closure or detection and tracing of CO₂ in the underground. Primary goal is providing the public with understandable information, to address public reservations, and to promote greater acceptance for CO₂ storage. (Mario Wipki)

Information films



As a further step in terms of dissemination activities, we have created a new section "multimedia" on our website. Here, the user can find a compilation and actual links to information films for nearly all CO₂ storage sites which are studied in CO₂CARE. Most of the movies belong to the YouTube platform. (Mario Wipki)

Let's learn to love CCS – before it's too late



Fossil fuel power plant Scholven, Germany (Foto: S. Schlüter-Basan, Wikipedia).

James Smith, chairman of the Carbon Trust and former chairman of Shell UK, lately wrote an article in "theguardian" in which he urgently demanded to start large scale demonstration projects over the next few years even if the technology of "few friends" has made disappointing progress in the past. The sober result is, that not one integrated, large-scale electricity-plus-CCS project has yet been implemented anywhere in the world. However, coal and gas will be one of the major fuels for the next decades even if environmentalists are dreaming of a world with clean energy. Smith's claim is not less than to help save the planet. [theguardian: <http://www.guardian.co.uk/environment/2012/dec/17/carbon-capture-ccs-technology>]

(Mario Wipki)