

cags newsletter

China Australia Geological Storage of CO₂

中澳二氧化碳地质封存

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From the CAGS team

Dear CAGS partners, associates, and interested readers,

Welcome to the third issue of the CAGS newsletter!



The CAGS newsletter is released periodically to update you on project news, activities and upcoming events. The newsletter will be available on our website, or you can [subscribe](#) to receive it by email.

For the overview of the project, please visit our website, www.cagsinfo.net.

To contact us directly with any queries or comments, please email us at info@cagsinfo.net.

We wish you a safe and happy festive season and look forward to your continued interest in our project.

Sincerely,

The CAGS Project Team

Headlines

- Workshop Two, *Improving the capability of China for CO₂ aquifer storage* was held in Wuhan, China, 27-29 October 2010. Presentations will be made available from CAGS website www.cagsinfo.net.
- The School on Geological Storage of CO₂ was held in Wuhan, China from 30 October - 3 November 2010. Presentations will be made available from CAGS website www.cagsinfo.net.
- Three Chinese researchers were supported to attend the National CCS Week Conference in Melbourne, Australia, 28-30 November 2010.
- Our first researcher exchange began in November 2010.



Project Updates

The focus for the CAGS team over the past few months has been on the second workshop and CCS school; coordinating the exchange program for Chinese students and researchers; and supporting Chinese researchers to attend conferences. Please read below for more details on these activities.

Second CAGS Technical Workshop, Wuhan, China

The second CAGS workshop was held in Wuhan, China, from 27-29 October 2010. The workshop was organised by the Institute of Rock and Soil Mechanics at the Chinese Academy of Sciences and jointly hosted by the Department of Social Development, Ministry of Science and Technology; the Administrative Centre for China's Agenda 21; and Geoscience Australia. More than 60 delegates from 40 Chinese and Australian organisations including academia, government and industry came together to discuss the technical issues associated with storage of CO₂ in saline aquifers and share knowledge about the latest progress and trends in the field of CO₂ geological storage.



The workshop was divided into five sessions covering aspects of storage of CO₂ including:

- The potential, current status and challenges for saline aquifer storage;
- Theory and modelling of CO₂ aquifer storage;
- Site characterisation and selection;
- Safety assessment and monitoring technology;
- Social issues and CCS projects in China and Australia.

Feedback from participants was very positive. Many were impressed with the program, the organisation and the range of the speakers.

The workshop program and presentations are available for download from the CAGS website, at <http://www.cagsinfo.net/workshop2.htm>.

First CAGS CCS School, Wuhan, China

The first CAGS Carbon Capture and Storage school was held in Wuhan, China, from 30 October - 3 November 2010 following Workshop Two. The School was organised by the Institute of Rock and Soil Mechanics at the Chinese Academy of Sciences and jointly hosted by the Department of Social Development, Ministry of Science and Technology; the Administrative Centre for China's Agenda 21; and Geoscience Australia. 51 students with a variety of backgrounds were selected from over 300 applicants to attend the School - 44 from China and 7 from Australia.



The workshop was divided into six sessions covering most aspects of CO₂ capture and geological storage including: CO₂ capture technology; safety assessment and monitoring; site exploration and characterisation; modelling and storage capability assessment; economics; and CCS projects in China and Australia.



Each session comprised lectures and group discussions. Students were encouraged to contribute to robust discussions which addressed topics related to the subject of each session. Many of them used the opportunity to ask questions and share their experience and knowledge with other students and with the experts.

As a result of the success of the first CCS School and the great interest from Chinese students, CAGS will host a second CCS School in mid-2011.

The CCS School program and presentations are available for download from the CAGS website, at http://www.cagsinfo.net/summer_school.html.

Chinese researchers attend international conferences

One of the primary aims of CAGS is to foster international collaboration and networks among researchers in CCS. Over the past three months, 12 researchers from the Administrative Centre for China's Agenda 21, Chinese Academy for Environmental Planning, Institute of Rock and Soil

Mechanics, Chinese Academy of Sciences, China University of Petroleum, Tsinghua University and China Geological Survey have been supported to attend significant international conferences including:

- The 10th International Conference on Greenhouse Gas Control Technologies in Amsterdam, Netherlands, 19-23 September 2010 (9 researchers); and
- The National CCS Week conference and events in Melbourne, Australia, 28 – 30 November 2010 (3 researchers).

This brings the total number of researchers supported to date to 23.



Chinese researchers from the Chinese Geological Survey presented their work at the National CCS Week conference



GHGT10 closing ceremony. Photo by Paul Ridderhof

CAGS sponsorship is available for selected Chinese researchers and students wishing to attend significant conferences or workshops related to CCS. For more details and to apply, contact us at info@cagsinfo.net.

First Chinese researcher visit

Following much planning and discussion we have established a visiting researcher and student program. 5 Chinese researchers and students will be placed in Australian organisations including at Geoscience Australia, the Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC), the Commonwealth Scientific and Industrial Research Organisation (CSIRO), and the Australian School of Petroleum at the University of Adelaide.

The first of these visits began in November 2010. A researcher from the Administrative Centre for China's Agenda 21 has been working with Geoscience Australia, focusing on policy and regulation in the area of geological storage of CO₂. Through this program she will gain an understanding of Australia's experience in and position on these issues, which will assist with the formulation of similar legislation and regulation in China.

Research Projects

CAGS supports three research projects in China on aspects of geological storage of carbon dioxide:

- Research Project 1: Site Selection Methodology and Criteria for CO₂ Geological Storage.
- Research Project 2: Selection Criteria of Oil/Gas Reservoirs for CO₂ EOR and Storage.
- Research Project 3: Studies of Environmental Impact and Risk Management of CO₂ Storage.

All three projects are on track. Information on the research projects can be found at <http://www.cagsinfo.net/research.htm>.

Upcoming Events

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|----------------|---|
| April/May 2011 | Study Tour for Chinese policy makers. |
| June 2011 | CAGS workshop 3 will be held in Beijing, China. |
| Mid-Late 2011 | Second CCS school. |

To find out more about CAGS events, or to apply for CAGS support for conferences, please contact us at info@cagsinfo.net and check the website regularly.

Contact Information

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