

## MBA Forms New Division

**G**reenhouse Gas Storage Solutions (GGSS) is a new division of MBA Petroleum Consultants that has been established to provide geoscience advice for the geological storage of greenhouse gases and assist with the uptake of geological storage at an industrial scale, both domestically and internationally.

Dr John Bradshaw, an acknowledged international expert in this field, has been appointed as Chief Executive Officer of GGSS

and will utilise MBA's existing base in Brisbane and new premises in Canberra.

Australia is richly endowed with a number of fossil fuels, all of which are associated with high levels of CO<sub>2</sub>. To sustainably manage these vast and cheap energy sources, and maintain energy security on behalf of the Australian community will require innovative and challenging ventures into geological storage at a scale to match the existing gas industry. Geological storage of greenhouse gas is a technology that can make major

reductions in emissions from both the energy and industry sectors, including oil and gas, coal, power and cement.

It is a crucial time in the development of the new industry of carbon dioxide capture and storage (CCS). It is essential to immediately move CCS from the realm of theoretical research to industrial deployment. The skills needed to implement geological storage of carbon dioxide are based on a foundation of petroleum geology, geophysics and reservoir engineering.

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The specialised experience and knowledge required has rapidly evolved in the last decade at a handful of research institutions around the world, and many of the crucial break-throughs have been developed locally by a core group of Australian scientists and engineers.

Through their pioneering work for the Zerogen project in southeast Queensland ([www.zerogen.com.au](http://www.zerogen.com.au)), MBA has emerged as an international leader at an industrial level for the geological storage of CO<sub>2</sub>.

GGSS is unique in that its formation has merged MBA's extensive conventional oil, gas and coal seam gas industrial experience and practical CO<sub>2</sub> storage knowledge, with the world's leading geological storage experts.

GGSS has established a team of expert scientists and engineers who, along with their in-house geological, geophysical, reservoir engineering and drafting software, can undertake studies

on geological storage of CO<sub>2</sub> for a regional assessment, or any stage of exploration and development.

Bradshaw will provide strategic leadership to clients and coordinate the greenhouse gas storage activities within GGSS. His combination of technical expertise, project management, and legal and regulatory background, enables him to advise clients on emerging developments at an industrial and government level within a domestic and international context.

Since 1999, Dr Bradshaw has devoted his career to the establishment of the science of geological storage of CO<sub>2</sub> in his various roles as Chief Scientist CCS (Geoscience Australia); Group Leader Petroleum and Greenhouse Gas Advice (Geoscience Australia); Lead Author on the Intergovernmental Panel on Climate Change (IPCC) Special Report on Carbon Dioxide Capture and Storage (co-recipient of the 2007 Nobel Peace Prize [www.ipcc.ch](http://www.ipcc.ch)); and Australian lead Technical Delegate for the

international Carbon Sequestration Leadership Forum (CSLF [www.cslforum.org](http://www.cslforum.org)).

Companies across all industry sectors are currently planning their response to the 2010 emissions trading scheme and examining ways to reduce their individual emissions profiles. GGSS recognises that for CCS to be deployed and be part of emerging greenhouse gas solutions, there will have to be a sustainable geological storage service industry. GGSS plans to recruit young and talented scientists and engineers to work with and learn from their experienced staff on the new projects that are being advanced. With the current demographic age profile in the oil and gas sector, developing an ongoing skills base will be the single most crucial outcome for establishment of a CCS industry over the next few years.

For more information or to express your interest in joining this emerging industry, please contact Dr John Bradshaw (John. Bradshaw@ggss.com.au). ■