

# MODULE 1: INTRODUCTION & OVERVIEW OF CO<sub>2</sub> GEOLOGICAL STORAGE



## DR JOHN BRADSHAW

This comprehensive 1 day course covers the spectrum of CO<sub>2</sub> Geological Storage, and is intended as an overview for all professionals in the CO<sub>2</sub> capture and storage industry. The course provides participants with up to date information on this rapidly evolving technology, and practical exercises focusing on the principals of geological CO<sub>2</sub> storage, understanding risk and uncertainty in site assessments, and global source-sink matching.

Course participants will learn the nature and scale of issues that are required in geological storage of CO<sub>2</sub>. The course involves exercises that introduce participants to the fundamental and detailed assessment methodology, identifying pitfalls in some approaches being adopted around the world, as well as developing the participants ability to critically analyse storage sites and to compare and contrast their relative prospectivity.

Some geological knowledge is ideal for this course, but not essential as many fundamental geological storage elements will be introduced, and the workshop exercises will be done in groups that promote interaction and sharing of skill sets.

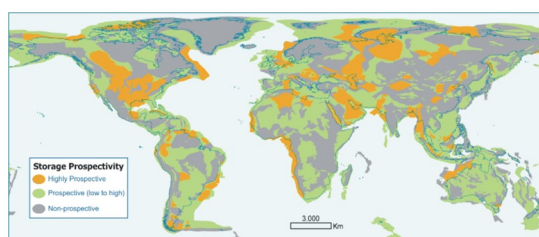
### Course Content

#### Lectures

1. Workshop Overview
2. Some CCS Basics (Exercise 1)
  - Storage Options
  - Supercritical CO<sub>2</sub>
3. CCS Challenges & Opportunities
4. Understanding Risk & Uncertainty (Exercise 2)
5. Defining Storage Ready
6. Source-Sink Matching & Country Assessment CCS Potential (Exercise 3)

#### Exercises

1. Carbon Dioxide Phase Exercise
2. Storage Site Risking Exercise
3. World Storage Potential Exercise



**Dr John Bradshaw** has over 30 years of experience in the oil and gas and CO<sub>2</sub> storage industries. Since 1999, Dr Bradshaw has devoted his career to the establishment of the science and legal and regulatory aspects of geological storage of CO<sub>2</sub> in his previous roles as Chief Scientist CCS for the Australian Government (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.

For further information and course costing please contact:

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