



# GLOBAL CCS INSTITUTE – ADDITIONAL ACHIEVEMENTS TO DATE

## Introduction

The following paper outlines achievements of the Global CCS Institute over the past six months in addition to the two major completed activities set out in separate papers (Status of CCS and the Ideal Projects Portfolio and Rationale for Support). It is intended to provide a snapshot of some of the completed and continuing work that will form part of the Global CCS Institute's efforts over the coming year to accelerate CCS deployment globally.

## CCS – Bridging the Commercial Gap Workshop

- The Global CCS Institute provided funding of AUD \$100,000 to the Coal Industry Advisory Board (CIAB) to conduct a CCS: Bridging the Commercial Gap workshop. The event was jointly convened in New York on 29 and 30 September by the International Energy Agency (IEA), Carbon Sequestration Leadership Forum (CSLF), Coal Industry Advisory Board (CIAB), and Global CCS Institute. The workshop put forward a series of recommendations to Ministers attending the Third CSLF Ministerial meeting in October on actions that governments can take to bridge and narrow the commercial gaps associated with first-of-a-kind (FOAK) CCS projects. The workshop was also an activity component of the IEA Working Party on Fossil Fuels (WPF) Strategic Plan in Support of the Group of Eight (G8) CCS recommendations.

## Global CCS Knowledge Sharing

- As an initial activity under its knowledge sharing program, the Global CCS Institute partnered with Electric Power Research Institute (EPRI) to deliver a North American knowledge sharing workshop in Chicago on 1-2 October 2009. The 1.5 day event brought together more than 50 experts from a range of North American government, industry and academic organisations to discuss issues facing CCS deployment and examine how sharing different types of knowledge may help overcome barriers. Outcomes will provide key inputs to the Global CCS Institute's knowledge sharing strategy.
- In partnership with the European Commission and DNV, the Global CCS Institute will co-host a session on international aspects of CCS knowledge sharing at an early informal meeting of the EU CCS Project Network being planned for December 2009.



## **CCS Ready**

- The Global CCS institute has progressed the G8 recommendation to ‘define the concept of CCS ready and its value as a viable mitigation strategy’ through the development of a proposed internationally recognised definition of CCS ready and best practice guidelines for policymakers.
- The work program for this project, being delivered by a consortium led by ICF International is in its final stages and has included the development of a discussion paper and draft best practice guidelines to inform debate at a series of regional roundtable discussions hosted by the Global CCS institute in North America, Europe and Asia in late 2009.
- A proposed definition and potential best practice guidelines for policymakers due in December 2009. The final report will be used to deliver an internationally recognised definition in early 2010.

## **CCS Public Awareness and Acceptance**

- The Global CCS Institute is hosting a conference on Communicating for CCS Projects on 4 November 2009 in Paris. The major goal for the conference is to share findings over the past five years of international social research on CCS and to translate it into hands-on communication tips for project proponents, industry leaders, policy makers, and regulators.
- The Global CCS Institute entered into a three year funding agreement for AUD \$4 million with the Commonwealth Scientific and Industrial Research Organisation (CSIRO) which will also include working in collaboration with the Carbon Capture and Storage Social Research Network (C2S2RN). This agreement will include mechanisms to engage broad and different types of stakeholders and that incorporate education and outreach efforts, and mechanisms to support community engagement for demonstration projects.

## **International Energy Agency (IEA) collaboration**

- The Global CCS Institute has provided input to the development of the IEA’s CCS Roadmap. This major piece of work sets a forward trajectory for the acceleration of construction and operation of commercial scale CCS demonstration projects around the globe. The Global CCS Institute will work collaboratively with the IEA including through provision of a €10.4 million funding grant for the implementation of CCS related activities.
- In addition, co-funding for the International Energy Agency Greenhouse Gas Programme (IEA GHG) Summer School will be provided to bring 60 students from developed and developing countries, to a venue for a one week intensive training course on CCS. The GCCSI provided AUD \$100,000 as a major contributor to the 2009 Summer School, held in Vic, Australia.

## **Capacity Building Activities**

### **Asia Development Bank (ADB)**

- The Global CCS Institute has provided AUD \$21.5 million to the ADB under a ‘Clean Energy Trust Fund’ (part of the ADB’s ‘Clean Energy Financing Partnership Facility’). Two projects to be funded under the CCS Fund in 2009 are:
  - People’s Republic of China: Carbon Dioxide Capture and Storage Demonstration – Strategic Analysis and Capacity Strengthening (May 2009 – 30 April 2010); and



- Carbon Dioxide Capture and Storage Demonstration in Developing Countries – Analysis of Key Policy Issues and Barriers.

#### **World Bank**

- The Global CCS Institute has provided AUD \$2.4 million to the World Bank CCS Trust Fund for capacity building. The objectives of this Fund are being considered but are likely to include:
  - support for strengthening capacity and knowledge sharing, to create opportunities for developing countries to explore CCS potential, access carbon markets and realise benefits of domestic CCS technology development; and
  - facilitating inclusion of CCS options into low-carbon growth strategies and policies developed by national institutions and supported by WBG interventions.

#### **International Energy Forum (IEF)**

- The Global CCS Institute has provided AUD \$250,000 to the IEF to jointly host two Symposia: one in Asia-Pacific (held in China in Sep 09) and one in the Middle East (Algeria in June 2010) for industry and governments on CCS related issues. The first symposium held in September 2009 in Beijing considered policy issues including barriers to CCS deployment and the role of EoR in accelerating CCS. The recommendations will be considered by participants in a variety of international fora in late 2009 and early 2010.

#### **Asia Pacific Economic Cooperation (APEC)**

- The Global CCS Institute is contributing AUD \$40,000 for the costs of an Indonesian workshop to help increase the capacity of developing APEC economies to assess the potential of CCS technologies within their own economies and evaluate options for the implementation and potential uptake of such technologies. The Indonesian workshop is one of two being conducted by the Australian CO2CRC in late 2009 and early 2010.

#### **South Africa National Energy Research Institute (SANERI) 29-30 September 2009**

- The Global CCS institute provided AUD \$130,000 to sponsor a CCS Conference hosted by SANERI in South Africa on 29-30 Sep. The two day conference helped South African and global proponents build knowledge and capacity in developing a CCS demonstration project. Two Workshops were associated with the conference, one on geological modelling and second on injection techniques.