



Key Measures in CCS Deployment

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Projects and Partnerships

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- About the GCCSI
- Makeup and corporate structure
- Workplans and Foundation Projects
- Working with the ADB

Objectives of the GCCSI

- Accelerate the global adoption of safe, commercially and environmentally sustainable CCS
- Drive co-operation to deliver a diverse portfolio of 20+ fully integrated industrial scale demonstration projects by 2020, in line with G8 goals:
 - Across a range of emitters and regions
 - Across a range of technologies
 - Along the entire capture, transport and storage chain
- Work in concert with existing bodies to overcome barriers to broad commercial scale deployment of CCS (ADB, IEA, CSLF etc.)
- Be responsible for effective sharing of non-proprietary knowledge of CCS among shareholders and interested parties

The GCCSI is a GLOBAL action

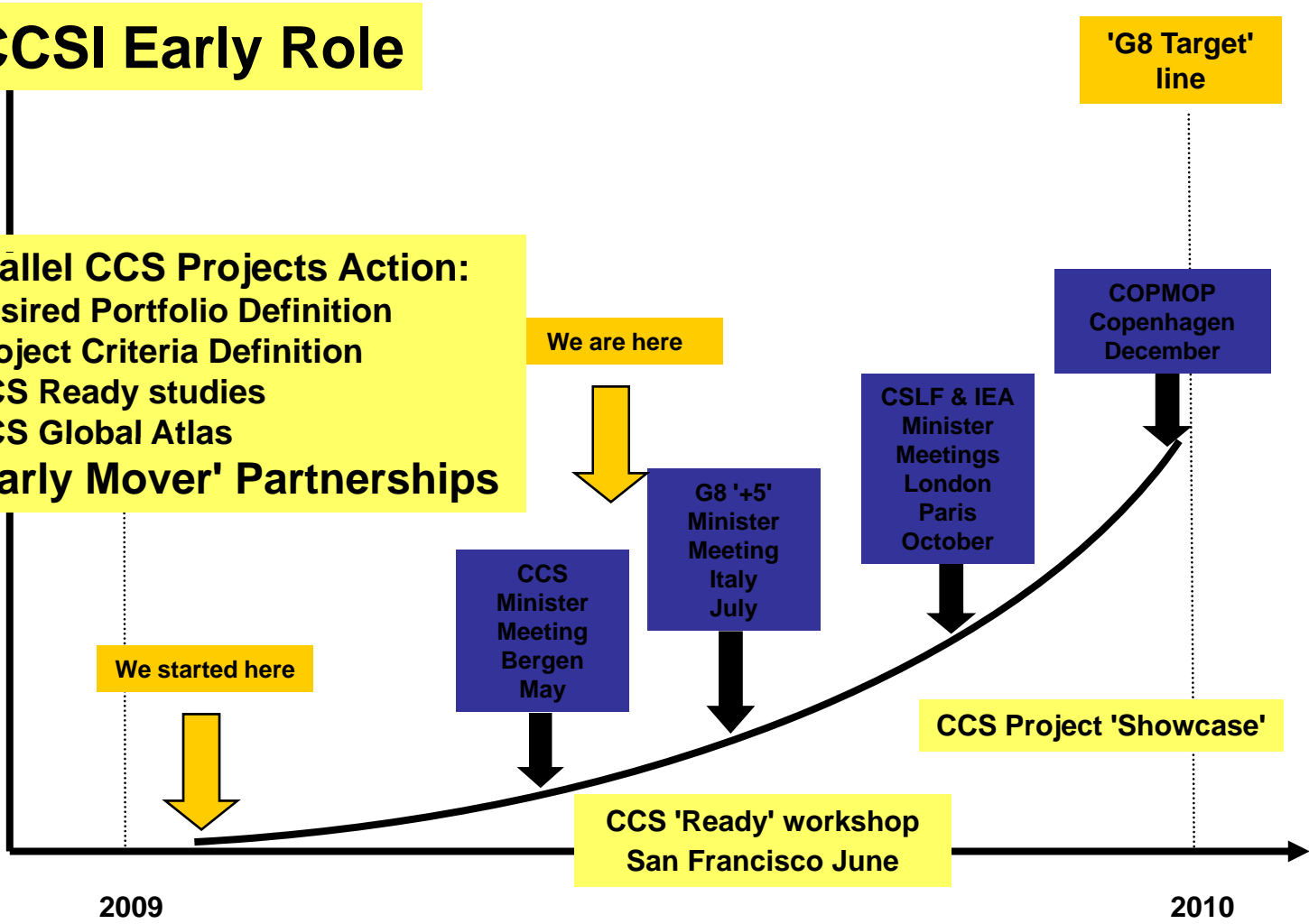
2009: an extremely important year

GCCSI Early Role

Parallel CCS Projects Action:

- Desired Portfolio Definition
- Project Criteria Definition
- CCS Ready studies
- CCS Global Atlas

'Early Mover' Partnerships



Membership and support:

Foundation Members as of May 2009

Foundation Members

The Government of Australia
The Emirate of Abu Dhabi
The Government of Canada
European Commission
The Government of the Peoples Republic of China
The Government of France
The Government of Germany
The Government of Indonesia
The Government of Italy
The Government of Japan
The Government of the Republic of Korea
The Government of Mexico
The Government of Netherlands
The Government of New Zealand
The Government of Norway
The Government of Papua New Guinea
The Government of South Africa
The Government of United Kingdom
The Government of United States of America

The State Government of New South Wales
The State Government of Queensland
The State Government of South Australia
The State Government of Victoria
The State Government of Western Australia

Asian Development Bank

Japan Bank for International Cooperation

Alston Power Ltd
AMEC Plc
Anglo American Services (UK) Limited
ARUP Pty Ltd
BHP Billiton
BP Australia Pty Ltd

Chevron Australia Pty Ltd
China Huaneng Group
Chiyoda Corporation
Doosan Babcock Energy Limited
The Dow Chemical Company
ENEL
Exxon Mobil Australia Pty Ltd
General Electric International Inc
Golder Associates Pty Ltd
Greenhouse Gas Storage Solutions (GGSS)
Hatch Associates Pty Ltd
Hitachi Limited
HTC Purenergy Inc
Hydrogen Energy International Limited
INPEX Corporation
IHI Corporation
Nippon Steel Engineering Co. Ltd
Macquarie Capital Advisers Ltd
Mitsubishi Corporation Mitsui & Co Ltd
Parsons Brinckerhoff Australia Pty Ltd
Peabody Pacific Pty Ltd
PricewaterhouseCoopers
Rio Tinto Ltd
RWE Power AG
Santos Limited
Senergy Alternate Energy Ltd
Services Petroliers Schlumberger
Shell International Petroleum Company Ltd
Southern States Energy Board (US)
StatoilHydro ASA
Taisei Corporation
Toshiba Corporation
Total S.A.
TRUenergy Development Pty Ltd
Woodside Energy Ltd
Worley Parsons Services Pty Ltd
Xstrata Coal Pty Ltd
ZEEP Australia Pty Ltd

Australian Coal Association
Carbon Capture and Storage Association
Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC)
Commonwealth Scientific and Industrial Research Organisation (CSIRO)
Electric Power Research Institute (EPRI)
The Clinton Foundation
Główny Instytut Górnictwa (POLAND)
Japan Coal Energy Center (JCOAL)
National Low Emissions Coal Research Ltd (Australia)
Research Institute of Innovative Technology for the Earth (RITE, Japan)
South African National Energy Research Institute (SANERI)
The Climate Group
Underground Coal Gasification Association
University College of London
World Coal Institute

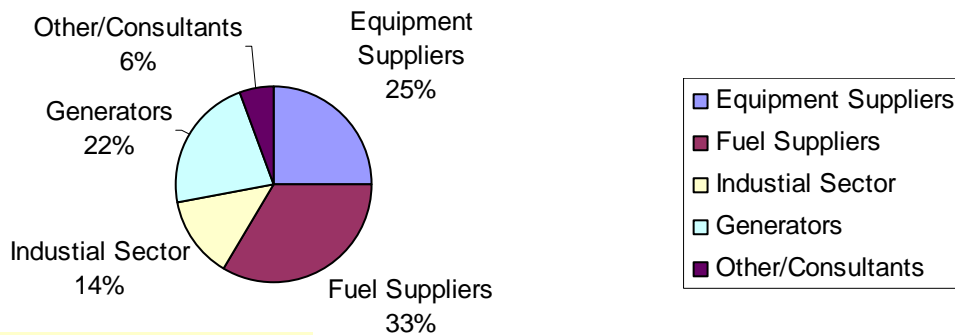
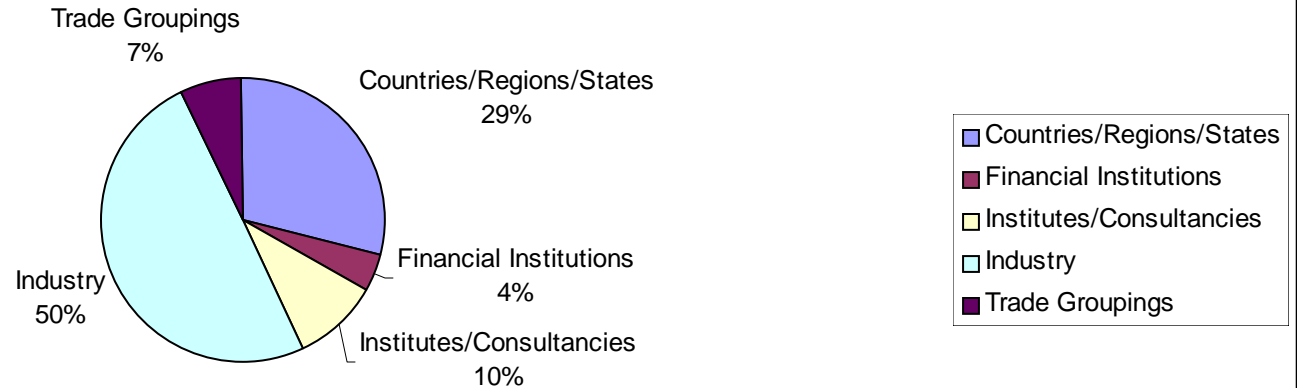
Collaborating Participants

International Energy Agency
The World Bank

Foundation Members: 86
Collaborating Participants: 2

Balance of the GCCSI participants

GCCSI co-operating organisations as of April 2009



Company Breakdown as of 16th April 2009

The GCCSI is seeking a representative balance across geography and type of organisation.

Added value of the GCCSI

The GCCSI brings to the arena a much needed resource:

- Budget commitment of AUD\$100m pa from Australian Government
- Initially provide financial support but increasingly remove barriers to deployment of CCS
- Provide full time funded expertise to assist in demonstration CCS project implementation in all aspects of capture, transport and storage, and
- Underpin and expand the capability of other international organisations.

Range of roles anticipated

- Portfolio monitor: Identify portfolio and track project developments
- Trusted advisor: Use information coming out of early study work to provide advice
- Activist advisor: Proactive role initially working in concert with organisations with the same set of objectives, and
- Consortium builder: As it builds its skills base the GCCSI takes on the role itself of identifying/initiating/facilitating proposals.

Primary work themes

Drive development of CCS projects

Support CCS uptake globally

Build CCS capability

Initial key activities:

- Establish the baseline for CCS as of March 2009, in particular an analysis of the 'real' status of CCS demonstration projects
- Establish strategic partnerships with organisations with common aims
- Define a prominent and complementary role for the GCCSI in the international CCS landscape – consistent with working towards the G8 recommendations, and
- Develop a consensus on the understanding of knowledge sharing.

Development of CCS demo projects

Beyond the strategic approach already outlined the GCCSI will undertake specific project related actions:

- Undertake a strategic analysis of the Global Status of CCS
- Characterise a Global CCS portfolio of projects
- Undertake Global project workshops to identify CCS projects the GCCSI should support

- Legal Entity
 - Non profit company limited by guarantee: target date of 1st July 2009
 - Skill based board of directors
 - International Advisory Panel of senior international advisors
 - Chair - James Wolfensohn
 - Technical Advisory Committee for peer review/advice
- Organisational aspects
 - Australia/Canberra hub: 40-50 individuals plus corporate function
 - Linkages/actions worldwide: 'hub and spoke' model, could include:
 - Europe
 - North America
 - Asia
 - 'Business build' underway
 - Focus on countries active in the GCCSI plus those of strategic orientation
 - Focus on 'where the projects are', the aim is to have co-incidence

Benefits for GCCSI members

The GCCSI is aimed at coordinating and leveraging the ongoing CCS work that will support broad scale commercial deployment of CCS.

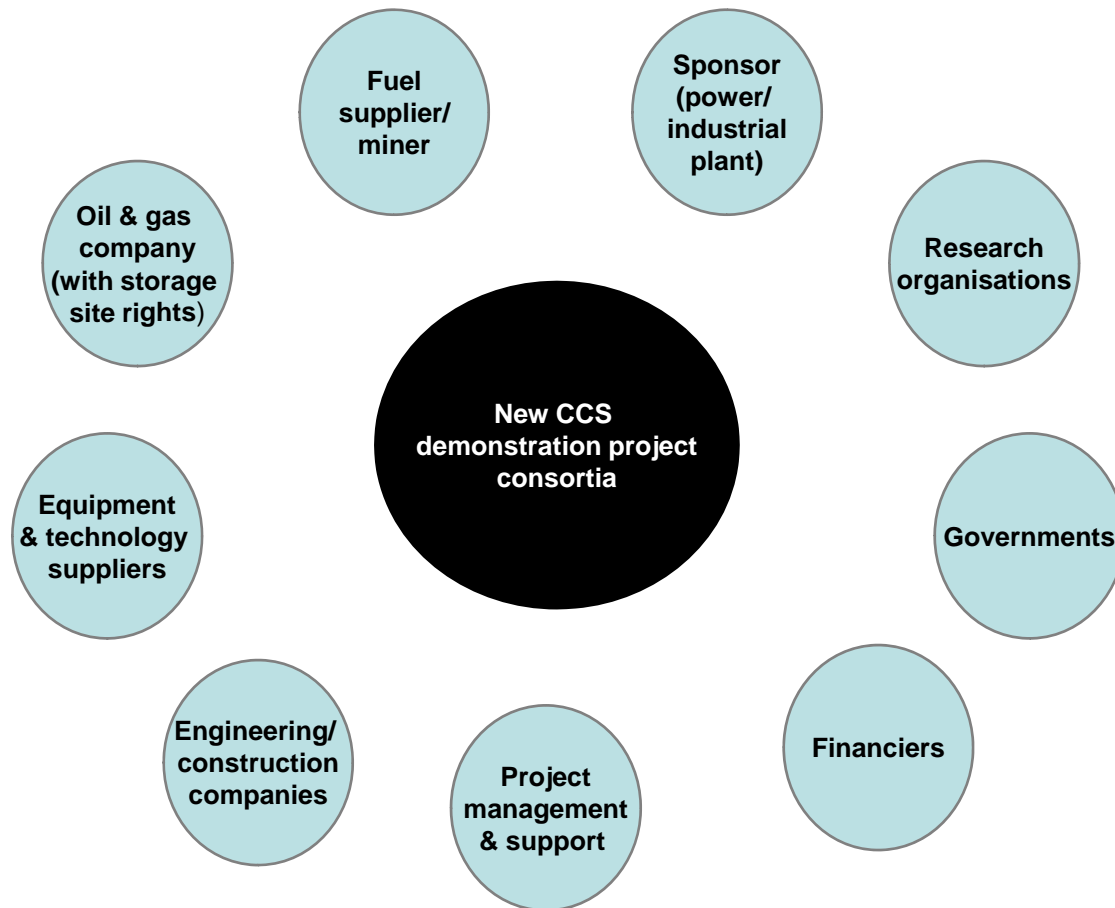
This includes work that is occurring in other countries and international organisations, as well as in existing national and regional CCS initiatives.

The key benefit of the GCCSI for participating countries is:

- The ability to focus on a small number of at-scale plants and share in learnings from others, rather than spreading resources thinly on subscale efforts, and
- increased confidence that others will take their share of the development costs and share findings.

Consortium building is important

Potential participants within a CCS demonstration project



Working With the Asia Development Bank

- The ADB is well placed to influence projects through activities with DMCs
- There are compatible project structures eg the Clean Energy Financing Partnership Facility (CEFPP)
- GCCSI proposes to provide a grant to the ADB to sponsor GCCSI activities
- Once funded, the ADB will administer the fund in consultation with the GCCSI.

Key Measure Under the Fund

- Accelerate deployment of CCS
 - Promote projects
 - Capacity building
 - Geological and Storage investigations
 - Community awareness and support
- Provide technical, investment and project assistance
 - Engagement of required expertise
 - Pre-feasibility and feasibility studies
- All DMCs eligible for support but preference given to Partners/Projects that can make a significant contribution to the GCCSI's mandate on CCS



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