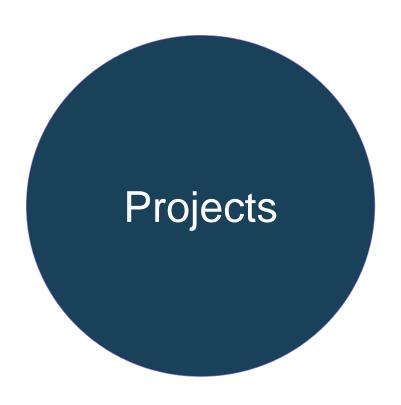


GLOBAL CCS INSTITUTE – Knowledge Sharing and CCS Projects

Derek M. TAYLOR, Moscow 29 March 2011

OVERARCHING OBJECTIVE "To accelerate the broad deployment of commercial CCS"



FOCUS

The Global CCS Institute connects parties around the world to solve problems, address issues and learn from each other to accelerate the deployment of CCS projects by:

FACT-BASED ADVOCACY

- using facts to inform and influence domestic and international low carbon policies;
- supporting the commercialisation of CCS by advancing the understanding of appropriate funding and financing solutions and risk regimes; and
- increasing the awareness of the benefits of CCS and the role it plays within a portfolio of low carbon technologies.

ASSISTING PROJECTS

- bridging knowledge gaps between demonstration efforts; and
- developing project specific solutions particularly amongst early movers.

3. SHARING KNOWLEDGE

- collecting information to create a central repository for CCS knowledge; and
- analysing and disseminating information to fill knowledge gaps and build capacity.

CURRENT MEMBERSHIP

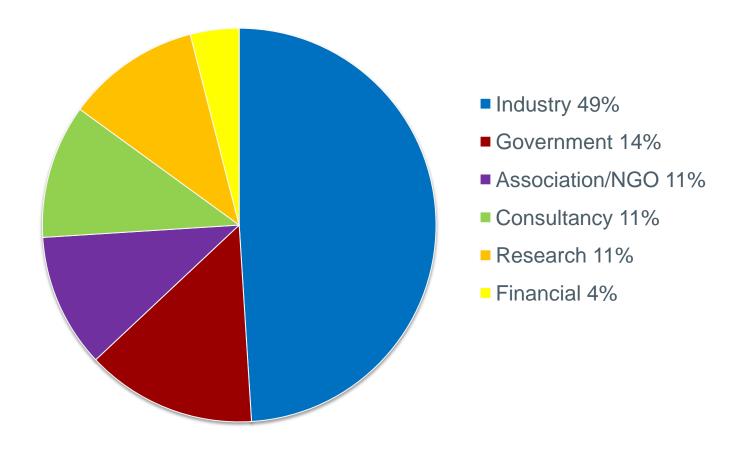
Legal Member breakdown

Legal Members: **252** from a total of **277** participating organisations.



MEMBERSHIP BREAKDOWN

277 Members as at January 2011



The Institute's Membership accounts for over 80 per cent of the world's Carbon dioxide emissions from energy and industrial sources.

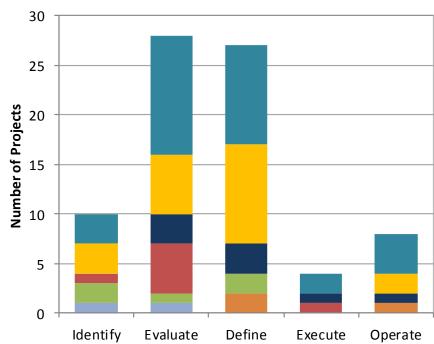
FACT BASED ADVOCACY ACTIVITIES AND KEY REPORTS COMPLETED

- Global Status of CCS Report September 2009
- Ideal Portfolio of Projects November 2009
- Defining 'CCS Ready' February 2010
- CCS Project update May 2010, Project Summary to G8/G20 June 2010
- Response to World Bank Energy Strategy Consultation June 2010
- Collaboration on IEA CCS Roadmap 'One year on' October 2010
- Major Economies Forum (MEF) Action Group CCUS Stock Take Report
 Institute underpins work on Strategic Plan
- Capacity Development on CCUS / Public Awareness Workshops
- Membership Engagement (four Member meetings held)
- Key partnerships in place (Asian Development Bank, World Bank, CSLF, IEA, CO2CRC, CSIRO, Clinton Foundation, Climate Group)
- 1st Project Briefing "Road shows" held (Tenaska, Pioneer) February 2011

LATEST REPORT ON WEBSITE

- The latest report on the Institute's website is the Bellona CCS Roadmap for Poland
- This shows that even in a country as coal dependent as Poland (where 95% of electricity is generated from coal), the cost of producing electricity using CCS is below that of the cost of producing electricity without using CCS by 2030.
- CCS can therefore increase a country's security of energy supply and competitiveness in a sustainable way.

LISPS BY ASSET LIFECYCLE

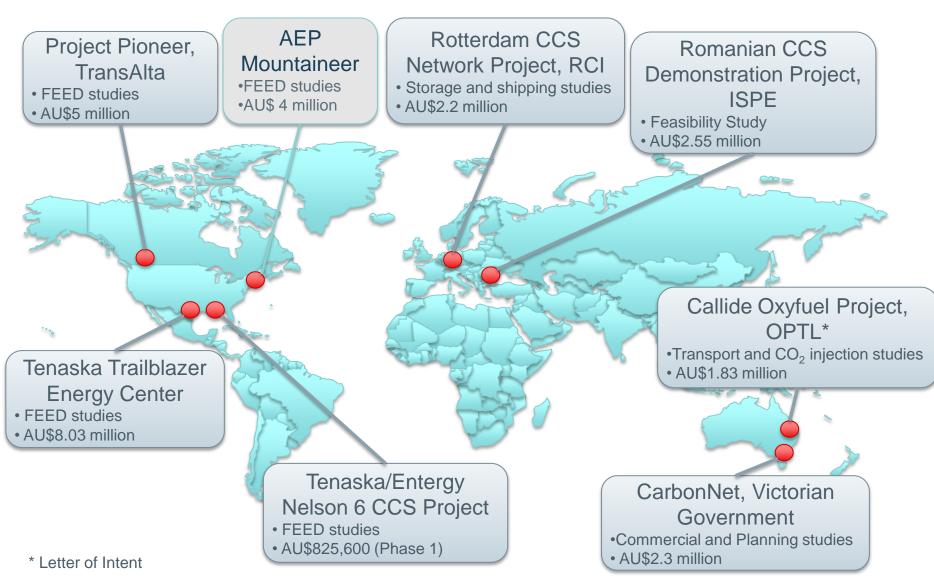


	Identify	Evaluate	Define	Execute	Operate
USA	3	12	10	2	4
Europe	3	6	10		2
Canada		3	3	1	1
Australia and New Zealand	1	5		1	
China	2	1	2		
Middle East and Africa			2		1
Asia (excl. China)	1	1			

Total 2010	10	28	27	4	8
Total 2009	19	20	15	2	8

77
64

INSTITUTE SUPPORTED PROJECTS



3 in North America, 2 in Europe, 2 in Australia. Commitment from the Institute ~ AU\$23 million

EUROPEAN SNAPSHOT

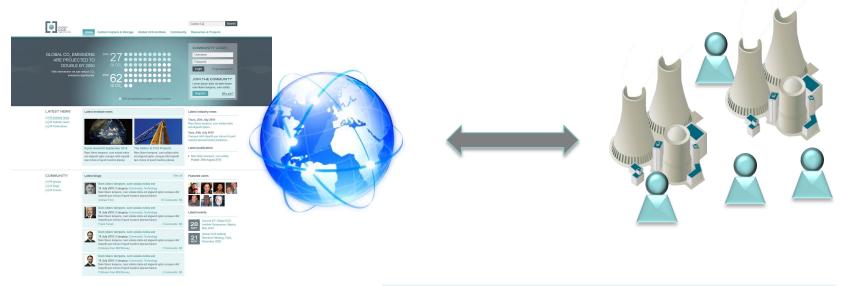
- Robust number of projects throughout Europe;
- The United Kingdom and the Netherlands are the most active in terms of projects in Europe;
- Onshore storage faces significant public acceptance issues;
- Clear political support for CCS is limited to a small number of countries;
- There is renewed interest in using gas for electricity generation; and
- A growing realisation that there is too little effort on industrial plant CCS.

ASSISTING PROJECTS - BENEFITS

In addition to reports and case studies the agreements with Projects will also include:

- participation in technical panels and workshops;
- key project personnel available for interviews; and
- involvement on the Institute's digital platform.

Supported projects and partners



Total CS / Mark is a size of the control of the con

Benefits come from knowledge and learning from and into the Institute

ASSISTING PROJECTS – PRIORITIES 2011

- Project Support Program (PSP)
 - identify remaining portfolio / knowledge gaps to be filled and cost efficient mechanisms for accessing such
- Communication of knowledge products and case studies from supported projects to Institute membership
 - emphasis to be on generating a 'self-sustaining' interactive dialogue amongst projects using the Institute knowledge platform
- Thematic Groups to be established among members to address specific technical learnings from projects:
 - Hub
 - Integration
 - Groundwater
 - EOR/MMV

SHARING KNOWLEDGE

- Collecting information to create a central repository for CCS knowledge
- Analysing and information to fill knowledge gaps and build capacity

IMPROVING PROJECT DELIVERY THROUGH KNOWLEDGE SHARING



Project updates and case studies - practical project experiences, detailed updates and summarized case studies from early-mover projects



Knowledge sharing reports – detailed assets for projects to use that include methods and best practices



Collaborative Discussions – so projects can engage with key questions



Structured Focus Groups – enabling projects for key topical areas in a face-to-face and online fashion



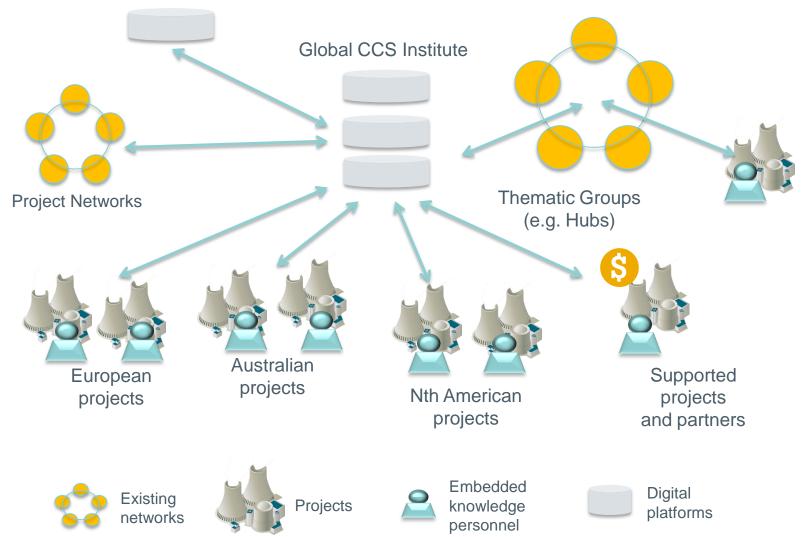
Fact sheets – project detail against key criteria providing a standardized view of the industry



Data - detailed analytical data and information to support a process of evidence-based decisions

WE WILL DRIVE KNOWLEDGE CREATION THROUGH FUNDING, RESOURCES AND CONNECTING EXISTING NETWORKS GLOBALLY

Other digital platforms (e.g. DoE)



WHAT ARE WE SHARING?

Packaged Knowledge: formally written, peer-reviewed and published

- Project reports and case studies
- Thought leadership and industry analysis
- Methodologies
- Fact sheets

Unpackaged Knowledge: conversations / tacit information often "in people's heads"

- Collaborative Discussions
- Focus Groups
- Social networks

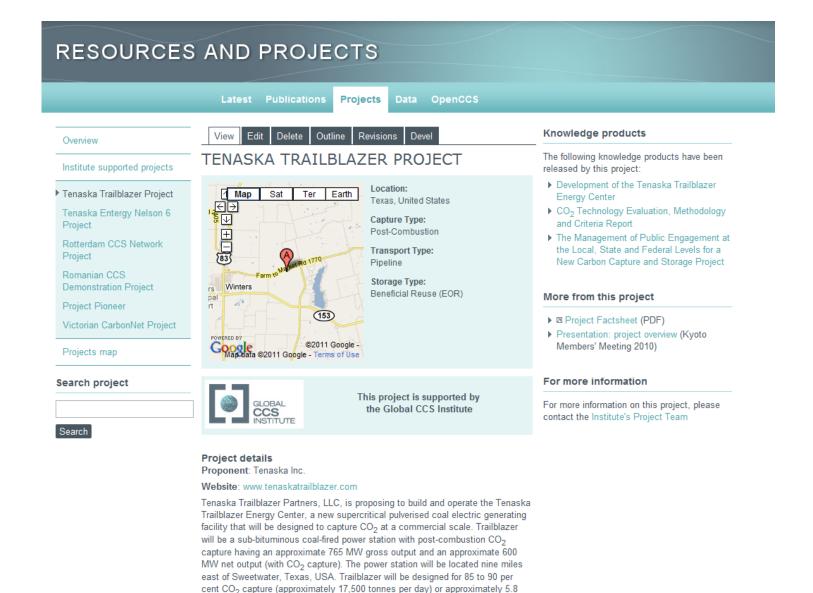
Data – raw and derived data to support a process of evidence-based decisions

Visuals – images, multimedia presentations and engaging materials for learning

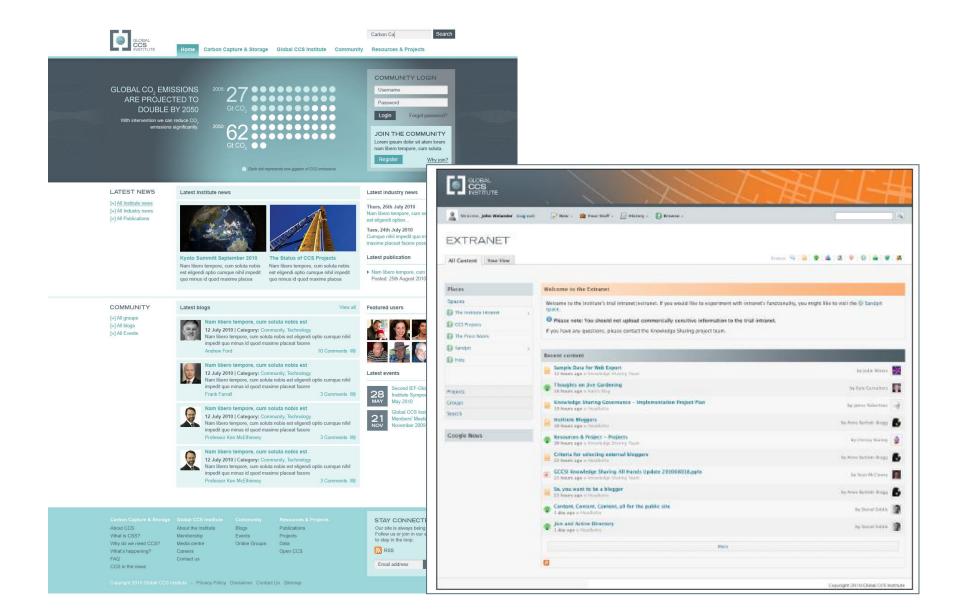
NEW KNOWLEDGE SHARING MODEL: BENEFIT AREAS



SOME EXAMPLES – KEY ASSETS FROM PROJECTS



KNOWLEDGE SHARING - PLATFORMS



derek.taylor@globalccsinstitute.com

www.globalccsinstitute.com