

IEA Greenhouse Gas R&D Programme

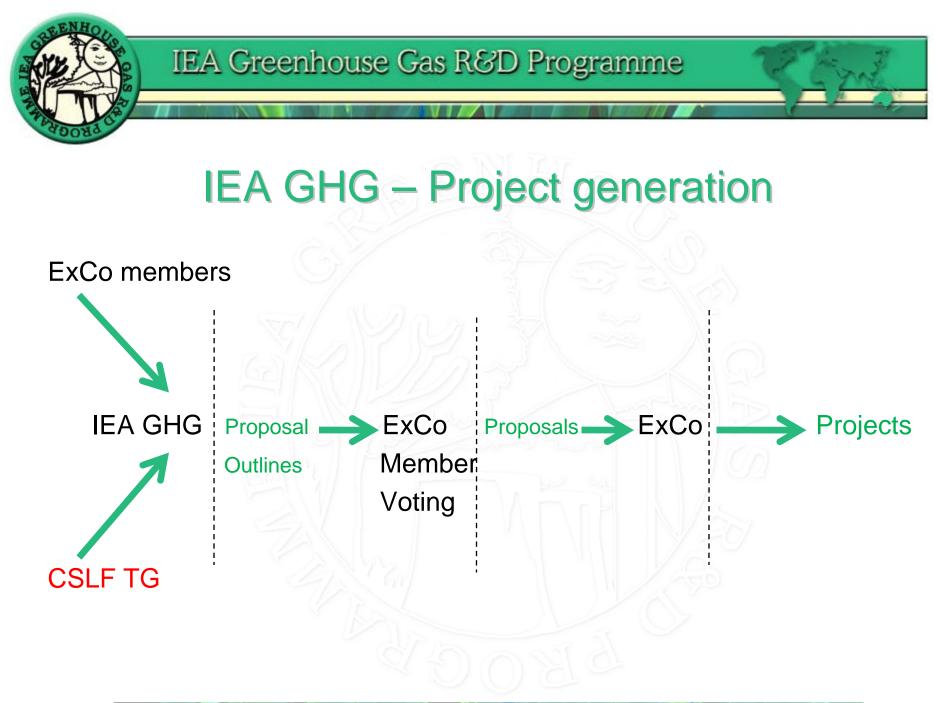
- A collaborative research programme founded in 1991
- Aim: Provide members with definitive information on the role that technology can play in reducing greenhouse gas emissions.
- Producing information that is:
 - Objective, trustworthy, independent
 - Policy relevant but NOT policy prescriptive
 - Reviewed by external Expert Reviewers
 - Subject to review of policy implications by Members
- Activities: Studies (>100); R&D networks :- Wells, Risk, Monitoring, Oxy, Capture, Biofixation; Communications (GHGT9, IJGGC, etc); facilitating and focussing R&D and demonstration activities
- Funding approx 2 million €/year (2.6 million \$/year).





Arrangement between CSLF Technical Group and IEA GHG

- How CSLF TG/PIRT and IEA GHG will interact for mutual benefit through increased co-operation
 - Mutual representation of each at CSLF TG and IEA GHG ExCo (no voting)
 - Liaison with PIRT co-chairs to discuss potential activities or projects – two way process
 - Activities would require approval by ExCo or TG
 - Due reference to org providing the resource
- Endorsed at ExCo Oct07 and TG Jan08



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22-23 Apr08

- Storage Capacity Coefficients (CSLF TG proposed)
- What have we learned to date?
- plus five others

Projects underway

- Fuel cells for CHP
- CCS in cement industry
- Pipeline costs
- Removal of impurities
- Assessment of subsea ecosystem impacts
- Improved solvent scrubbing
- Assessment criteria TAG
- Operating flexibility of power plants with CCS
- Safety
- Novel approaches on capture
- Aquifer storage
- Potential for storage in gas fields

Projects in process

- CCS in Iron and Steel industry
- Potential for CO2 EOR
- Retrofit and repowering with CCS
- Best Practice Guidelines on site characterisation (DNV)
- CO2 storage costs
- Small scale biomass and CCS
- Capturing lower fractions of CO2
- Building pipeline infrastructure
- Well abandonment

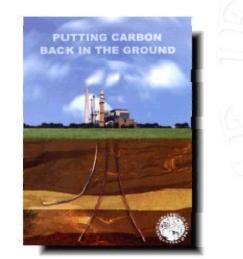


Recent and Future meetings

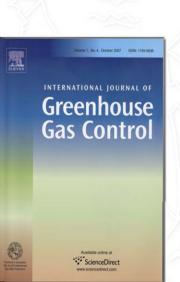
- Oxy-combustion network Mar 08 Yokohama, Japan
- Wellbore integrity Mar 08 Paris, France
- IEA Regulators Network 13-14 May, Paris, France
- Financing CCS Projects 28-29 May, New York, USA
- Joint Network meeting (Monitoring/Well/Risk) –11-13 June, New York, USA
- Capture Network, 20-21 May, Vienna, Austria
- Leakage impacts (experts meeting) Sep, UK
- GHGT9 17-19 Nov, Washington, USA



- General <u>www.ieagreen.org.uk</u>
- CCS <u>www.co2captureandstorage.info</u>









16th – 19th November 2009 Washington D.C. www.mit.edu/ghgt9

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