



## Session 3: CCS Phases

- 1200 Breakout Session 3 Introduction
- 1215 Breakout Session 3
- 1300 Lunch
- 1400 Breakout Session 3 continued
- 1530 Group Presentations
- 1630 Discussion
- 1700 A Reality Check – The Otway Project
- 1715 Discussion
- 1745 Close



## Breakout Session 3

- Assess the state of current knowledge
- Identify gaps in current knowledge
- Assess the practical application of CCS research and field projects
- Focus on regulatory requirements to identify key data/research needed
- Assess whether the networks are moving the knowledge forward and supporting real-world deployment of CCS projects
- Determine how to address gaps through the network programme



## Breakout Session 3

- Each group will be asked to look at one of the four phases of a CCS project:
  - Group 1 - Site selection and permitting;
  - Group 2 - Site operation;
  - Group 3 - Site closure,
  - Group 4 - Post-closure



## Breakout Session 3

- Each group will look:
  - Information/data is needed during their phase
  - If current information is sufficient for regulators
  - If tools/ techniques are available to provide sufficient confidence
  - What additional research/data is needed
  - How the current networks address these issues
  - How the current networks could collaborate on these issues
  - How the networks (new networks) could better address these issues and the gaps



## Breakout Session 3 – Before Lunch

- Scenario (for consistency only)
  - 1Mt of CO<sub>2</sub> storage
  - Onshore storage site
  - Expired oil reservoir
  - 100 abandoned wells



## Breakout Session 3 – After Lunch

- Continue discussions from before lunch
- Identify any differences that would occur with a change of the scenario
  - Larger volumes of CO<sub>2</sub>
  - Offshore storage
  - Saline aquifer storage
  - EOR
  - Storage/transport in a heavily populated area



## Breakout Groups

- Group 1 (Crystal Room) – Tony Espie (Chair), John Kaldi (co-chair), Neil Wildgust (IEA GHG Staff)
- Group 2 (Sutton Place) – Gabriel Marquette (Chair), Anhar Karimjee (Co-chair), Tim Dixon (IEA GHG Staff)
- Group 3 (Harold Square) – Rick Chalaturnyk (Chair), Isabelle Czernichowski (co-chair), Brendan Beck (IEA GHG Staff)
- Group 4 (Kips Place) – Dick Rhudy (Chair), Laurent Jammes (co-chair), Toby Aiken (IEA GHG Staff)