



# Update on 2013 CSLF Technology Roadmap

**Clinton Foster** PIRT Chair – **Richard Aldous** TF Chair

**Agenda 12**



# 2013 Technology Road Map - outcome from PIRT and TG Gaps Closure TF discussion

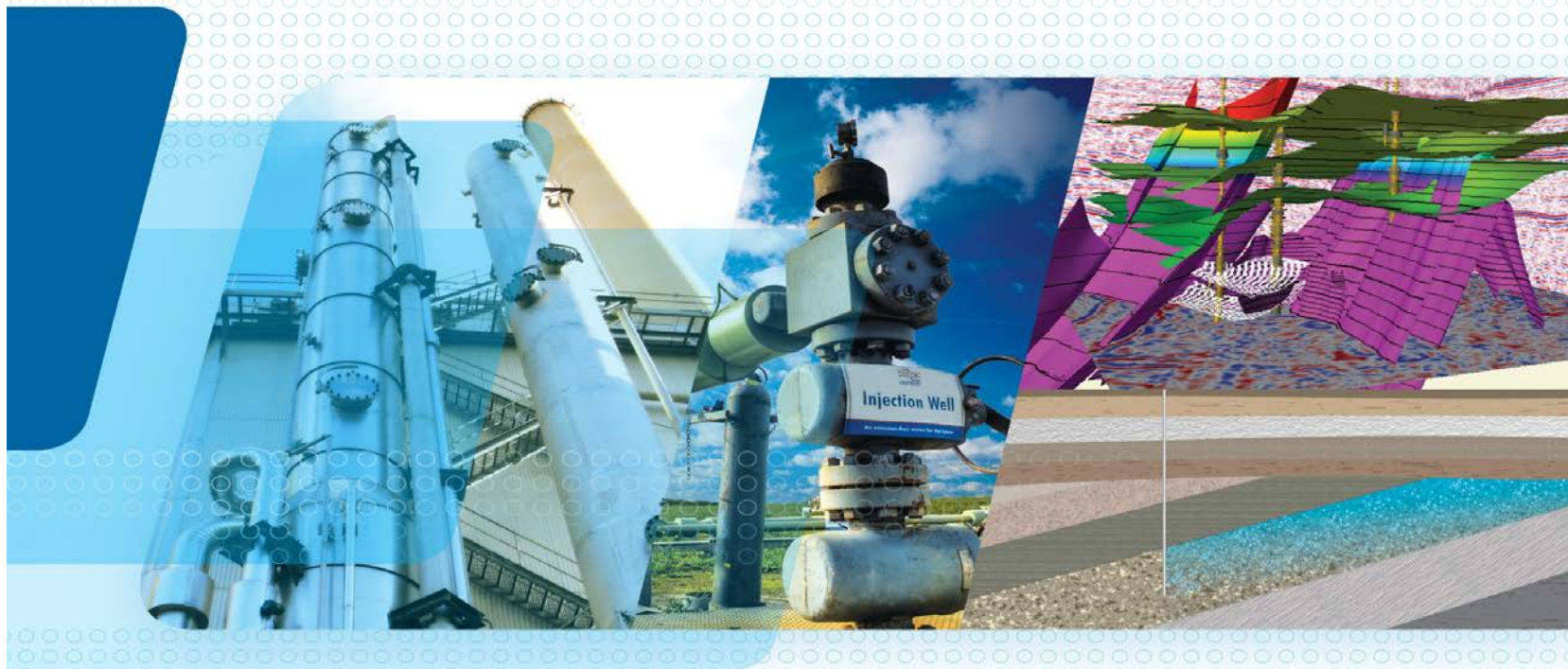
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## Recap

- Importance of TRM reaffirmed by Delegates
- Agreed that TRM needed upgrading – and under the authority of the TG Chair (previously undertaken for TG by PIRT)
- Linkages to new TG Task Forces addressing TG Action Plan and recommendations from prior TFs
- Proposed model for new TRM prepared by TF Chair, Technical Gaps Closure (Richard Aldous)



# Technology Roadmap & Scenarios to 2050



***Proposal to Technical Group June 2012***



# “CCS Technology pathways to 2050”

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- Countries have signed up to 2050 objectives
- The role that CCS plays in meeting those targets will depend on technology
- Propose to refocus our Technical roadmap to focus on possible pathways to 2050 , to exemplify the challenges and opportunities – ready for September 2013 Ministerial meeting
- Develop 2-3 scenarios
  - Different technology pathways
- Links to “ Closing the Technology Gaps Taskforce”





# Technology Roadmap - Key Elements

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- Executive summary
- Current state of technology ( brief review – not the main focus)
- 2- 3 scenarios representing alternative pathways to 2050
- Vision of opportunities for 2050 and 2030
  - not all scenarios will meet the vision
- “Closing the Tech Gaps TF” will identify key technology gaps/ issues and feed into Scenarios and roadmap
- Recommendations to government concerning action required to realise the more favourable scenarios
- Consider global regions in the scenarios/ roadmap



# Road Map and Scenarios

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- Scenarios: a powerful way of communicating challenges & opportunities
- They will compliment a linear road map
- Suggest “Shell type” scenarios
- 2-3 scenarios of technical pathways to CCS in 2050
- Note some scenarios may be more attractive than others
  - Scenarios: stories of the future, to exemplify issues, challenges & opportunities
  - The roles that CCS could play in meeting 2050 targets
  - The alternative ways that the technology could unfold





# Approach to producing document

- Steering Committee to oversight/deliver the Roadmap /Scenarios
  - chaired by the Chair of the Technical Committee (currently Norway)
  - chairs of the other task forces and CSLF Secretariat
  - Other specialist/experts (*ad hoc*)
- Role of Steering Committee
  - Design and oversight process
  - Secure resources – including people and funds
  - Review outcome / progress



# Time lines

**Workshop to define outline scenarios - Sept 2012**

Outline scenarios ready for Perth - Oct. 2012

**Second broader 2 day workshop in February 2013**

- for interested parties
- putting flesh on the scenarios

Draft paper - May 2013

**Draft roadmap /scenarios document to broader technical group (out of session)**

Paper signed off by Tech Group and shared with Policy Group in June / July

**Finalised document to Ministers Q3 2013**

