

# CSLF - Closing the Technology Gaps

## Challenges and opportunities to 2050



Establishing the Taskforce June 2012

Taskforce Leader

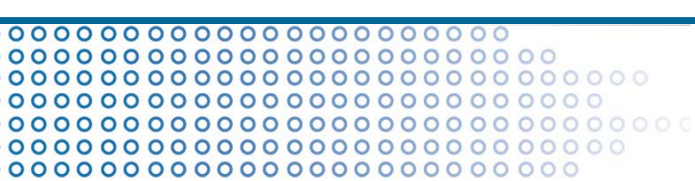
Dr Richard Aldous (CO2CRC)

CSLF - Closing the Technology Gaps

# Closing the technology gaps- taskforce

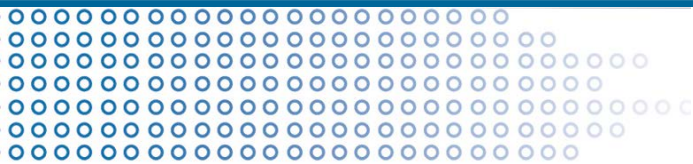
## - CSLF Action plan 2011 -2016

- **The TG will identify and monitor key CCS technology gaps and related issues and recommend any R&D and demonstration activities that address these gaps and issues.**
- **Identification of all key technology gaps/issues and determination of the effectiveness of ongoing CCS RD&D for addressing these gaps**



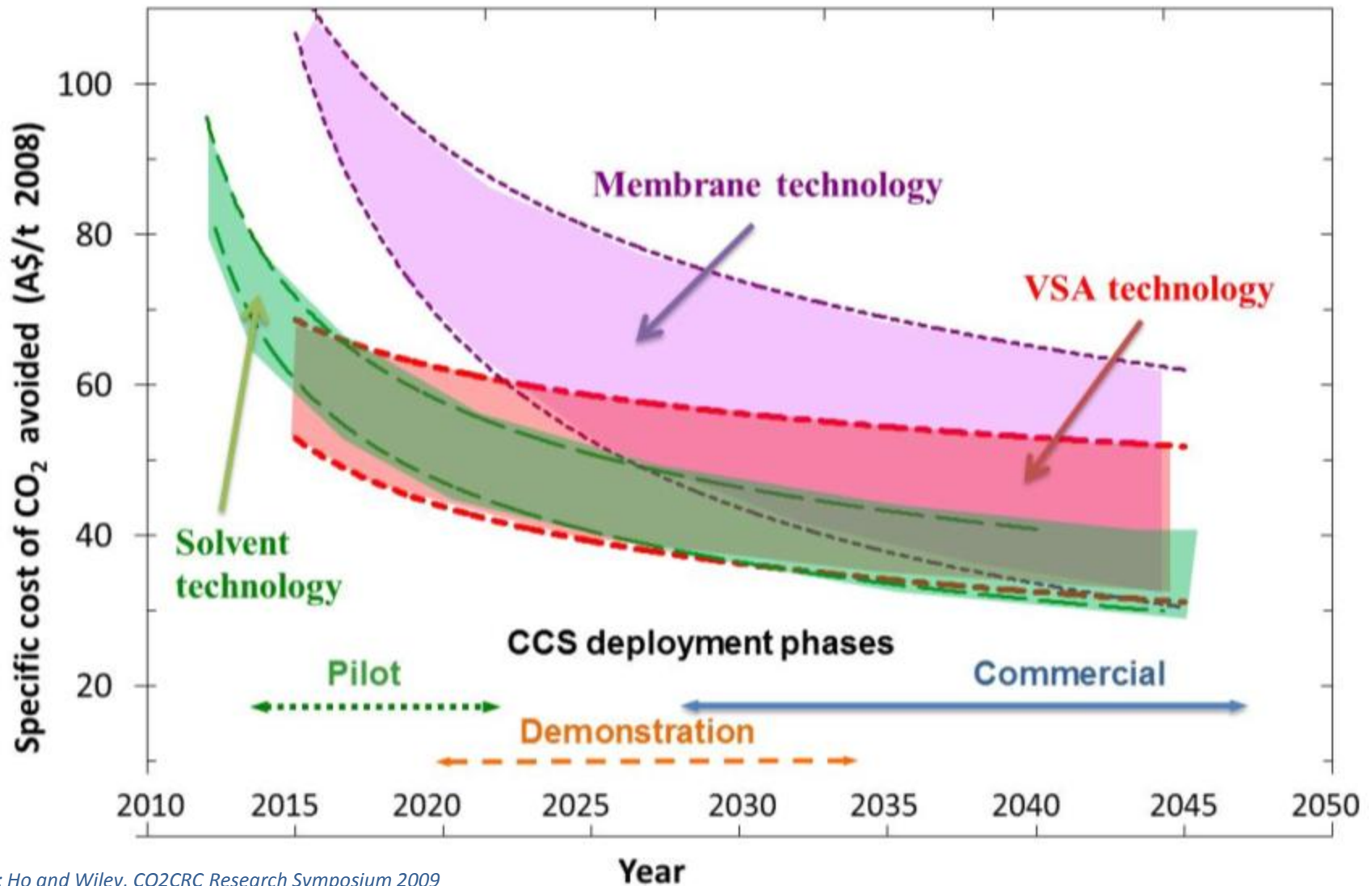
# Objectives of the Taskforce

- **Assess status of technology – gaps and opportunities**
- **Potential going forward - to get to 2050 - what will make a difference**
  - Gaps - the top 10 gaps that can make the biggest difference
  - Opportunities - top 10
  - Challenges for each of the above
- **Closing the gaps ( & capturing the opportunities)**
  - Probability and timing
  - Cost , how much will it cost to capture the opportunity
  - Who will do it ? - who are the main players ( companies / countries)
  - Collaboration recommendations to G8/G20 on how to improve and get better value for the global expenditure
- **Feed into a Technical roadmap , scenarios to 2050**





# Capture technology development

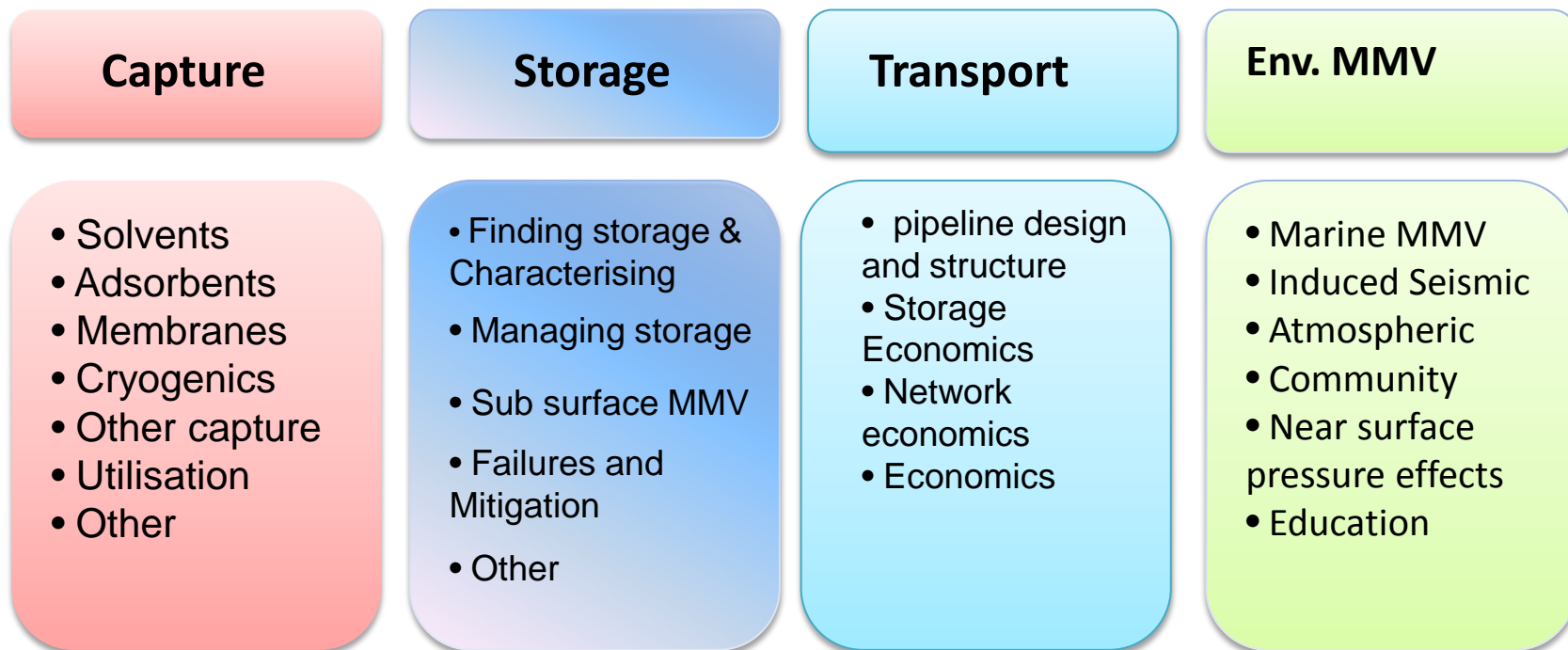


Source: Ho and Wiley, CO<sub>2</sub>CRC Research Symposium 2009

**CSLF - Closing the Technology Gaps**

# Define Technology AREAS

- build on the gaps taskforce work already completed
- what are the AREAS of technology
- what are the gaps and opportunities in each area



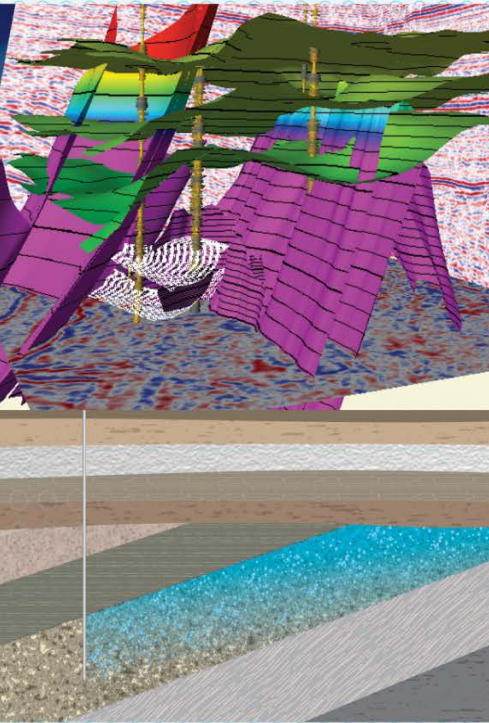
# Approach to producing document

## Taskforce :

- Australia ( Lead )
- Korea
- USA
- Norway
- Each provide 1 person on storage & 1 on capture
- **Note links to other task forces**
- **Prepare for CCS technical Road Map to 2050**
- **Recommendations**
  - How to get faster progress
  - International collaboration on technology development



# Time lines



## **Outline structure to be presented in Perth - Oct 2012**

- Prepare AREAS
- Draft gaps in each area – list and rank
- Template for assessment and rank

## **Draft paper - March 2013**

- Top 10 gaps defined
- Recommendations - how to close gap or capture opportunity

## **Links to road Map**

- Links to Roadmap/ scenarios
- Final report - mid 2013