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## UKCCSRC – Storage Session

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# What is the ETI?



- The Energy Technologies Institute (ETI) is a public-private partnership between global industries and UK Government

## Delivering...

- Targeted development, demonstration and de-risking of new technologies for affordable and secure energy
- Shared risk
- Leverage for Members - funding, expertise and market access
- Accelerated development schedules - in advance of market
- Competitive advantage for Members



# ETI working with the UK CCS Academic Community



UK Academic Institutions have worked with ETI on :

- Capture technology : conceptual plant design work and plant modelling, benchmarking, physical properties
- Cross – cutting technology : physical properties, ETI Eng D (Nottingham)
- Storage :UKSAP(1) project

£4M project, plus follow –up, now licensed as  
“CO2Stored” (2) by The Crown Estate and BGS.

Estimate of UK Storage Capacity

(1) UKSAP Academic Participants :The British Geological Survey (BGS), Durham University, Heriot Watt University, Imperial College London, University of Edinburgh.

(2) “CO<sub>2</sub> Stored” is available at [www.co2stored.co.uk](http://www.co2stored.co.uk)

# Other Storage Projects

## Other Storage Projects

- MMV (BGS) (existing and planned)  
Review of MMV
- Aquifer Appraisal (existing and planned)  
NG Aquifer



# Suggested Themes for Academic Work on Storage Technologies



## SHORT TERM

- Potential Impact of CCS on the Marine Environment
- Public Acceptance of CCS
- Demonstration “Support” – but retain breadth (eg depleted gas store)
- Store Appraisal – individual and by types\*

## 5 YEARS+

- Improvements to Appraisal Techniques \*
- Fault assessment
- Store Efficiency / Management\*
- Monitoring\*
- Remediation and Mitigation\*

\* Areas the ETI is developing Research/ Project requests



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