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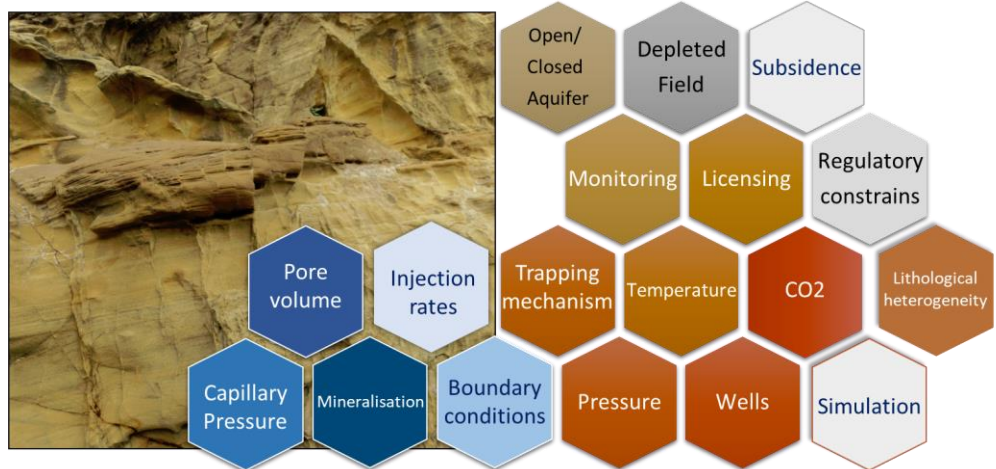
Call for poster abstracts – deadline 15<sup>th</sup> July

# CO2 Storage Efficiency: Challenges with standards and consistency in capacity estimations

14-15 September 2023  
The Geological Society, Burlington House, Piccadilly London

Convenors:

- Tina Lohr  
ERCE
- Philip Ringrose  
Equinor/ NTNU
- Clare Glover  
ExxonMobil
- Adrian Topham  
The Crown Estate
- Florian Doster  
Heriot Watt
- Ellen Mitchel  
ERC Evolution



The amount of CO<sub>2</sub> that can be stored in underground reservoirs is often summarised by the Storage Efficiency 'E'. Storage Efficiency is a key factor - but its calculation is arguably complicated as E is impacted by lithological heterogeneity, trapping structures, injection rates, well spacing, fluid properties etc.

Due to this complexity, there is much controversy on how to estimate E, with some arguing it should not be used at all and that reservoir simulation is a better path. However, estimates for E are used in most regional mapping studies, and applicability of these screening estimates to project specific Storage Efficiency studies is unclear and potentially misleading.

The industry needs a consistent and multidisciplinary approach for using storage efficiency estimates in storage capacity studies, as well as guidelines for when this measure is useful in the process of maturing CO<sub>2</sub> storage prospects towards investment decisions.

This convention aims to bring together industry and academic experts to establish a workflow or tables for the calculation of Storage Efficiency. The ultimate objective is to come up with a set of procedures on how to define that crucial E number, and to develop guidelines for when it should be used.

This two-day event will be a mix of keynote talks, poster pitches, and panel discussions. The committee welcomes the submission of poster abstracts!

**For further information please contact:**

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