



North Sea
Transition
Authority

SPE & GESGB - CCUS 2023 Conference

Keynote presentation

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We regulate and influence the oil, gas and carbon storage industries. We help **drive North Sea energy transition**, realising the significant potential of the UK Continental Shelf as a critical energy and carbon abatement resource. We hold industry to account on **halving upstream emissions by 2030**.

ENERGY SECURITY



Helping meet UK energy demand

Oil and gas licensing and stewardship

EMISSIONS REDUCTION



Regulating for emissions reduction

Driving electrification and zero routine flaring and venting

ACCELERATING THE TRANSITION



Carbon storage licensing and stewardship

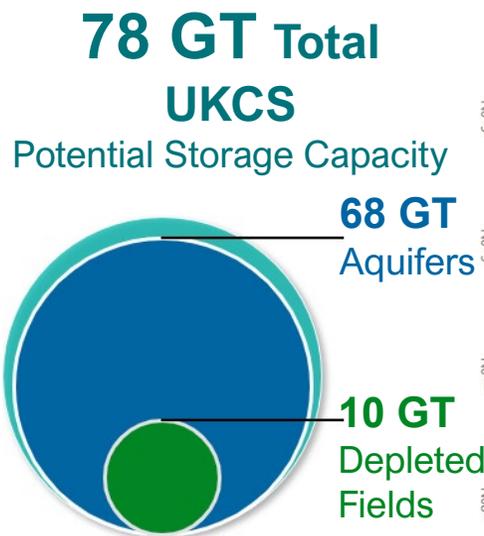
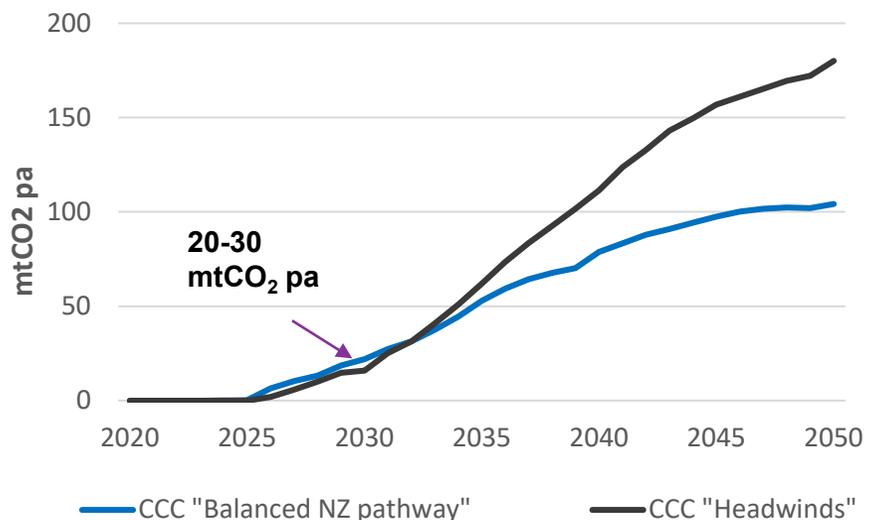
Promoting energy integration
Providing open access data

We aim to be an **integrating force in the UKCS**, helping realise its **full economic potential**.

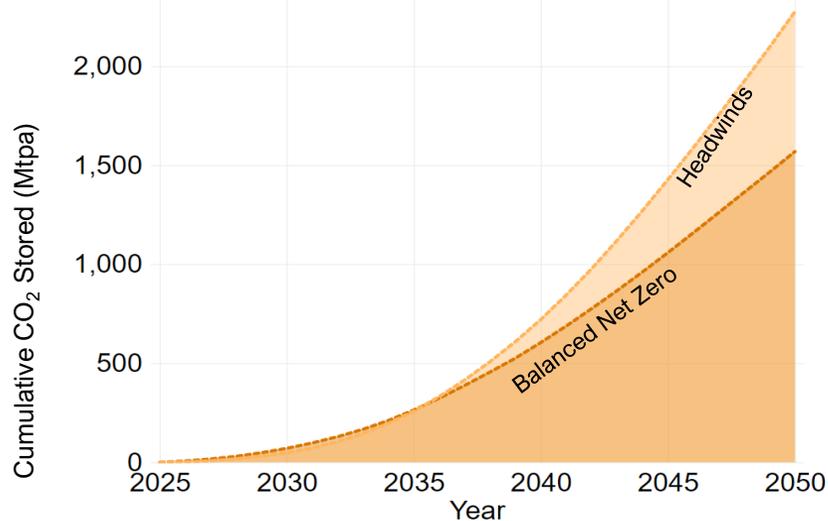
We champion **the supply chain** and **job creation** across the UK.

CCS – why we need it

UK CCS Net Zero Requirements – MTCO₂pa



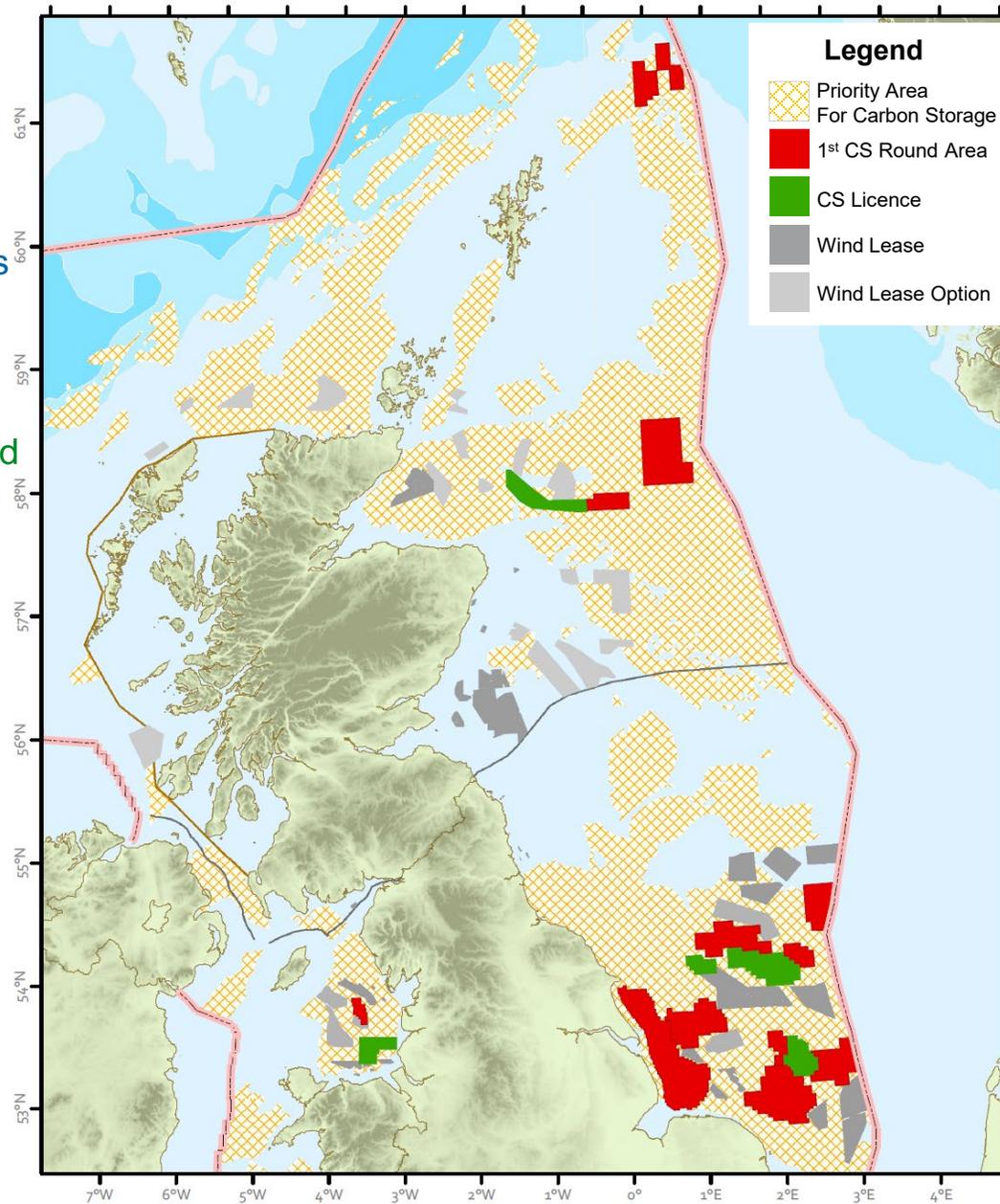
UK CCS Net Zero Requirements - Total



Cumulative volume



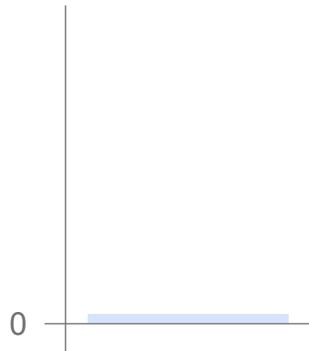
Appraised stores



Pace is key to delivery

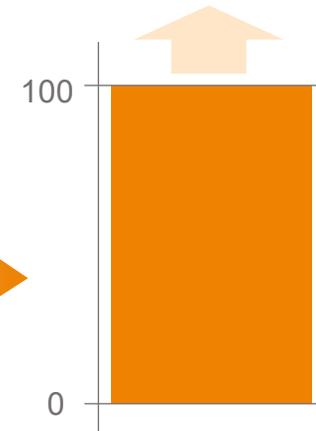
Today

MTCO₂ stored per year: **0**

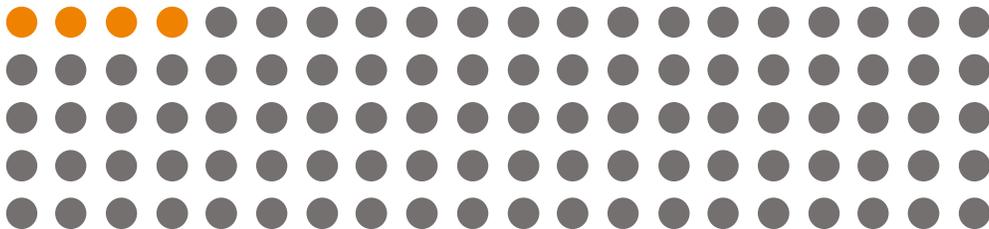


MTCO₂ stored per year: **100+**

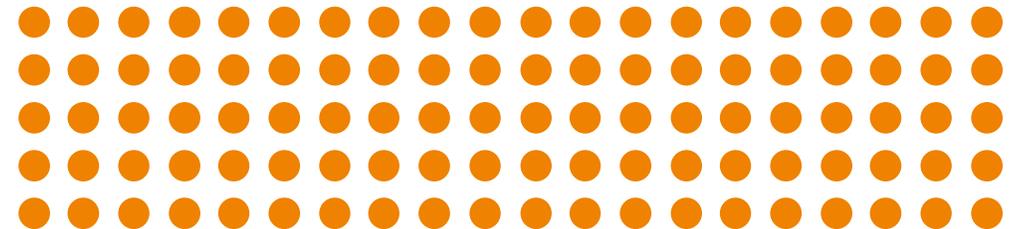
2050 Targets



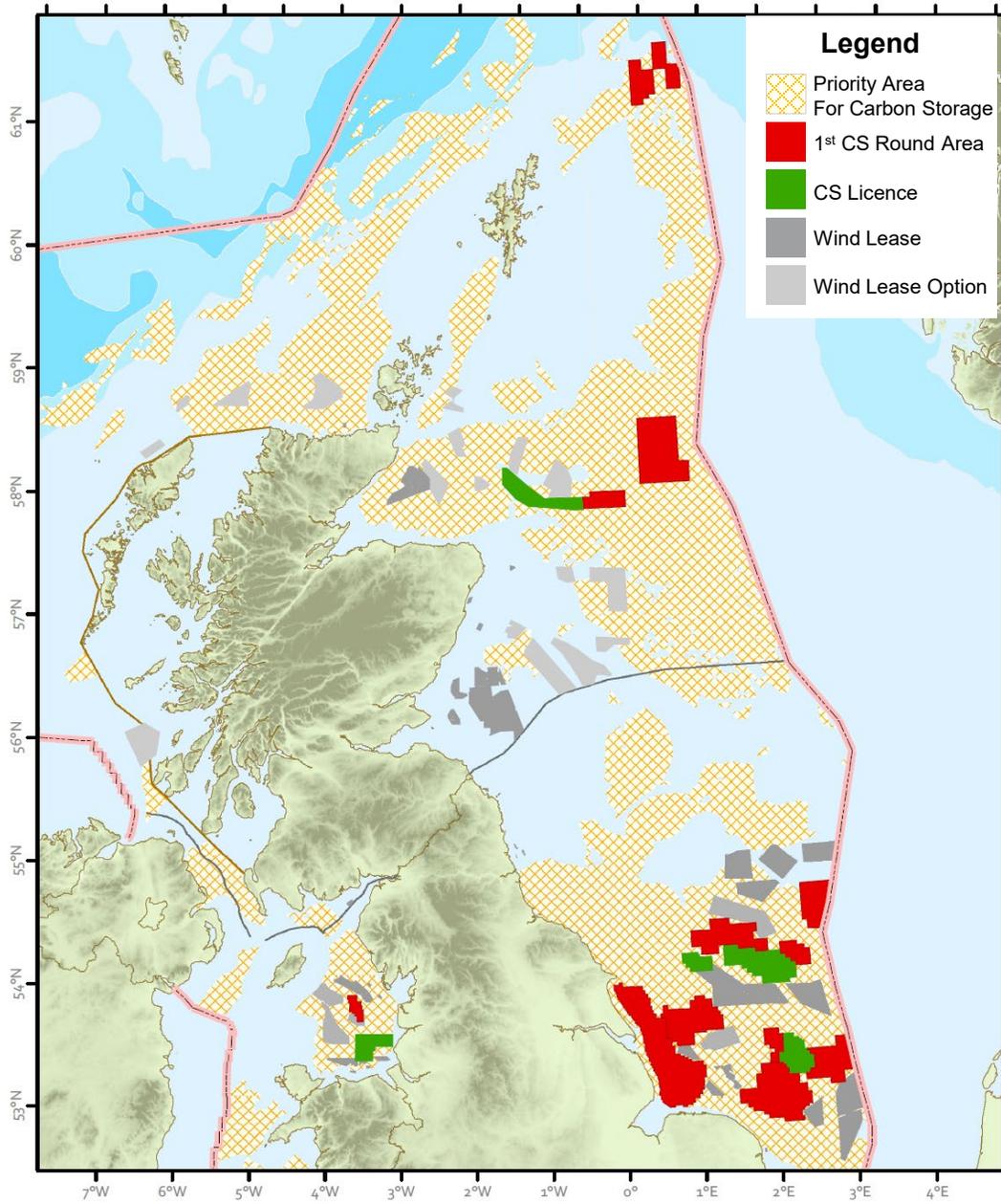
Fully appraised* stores: **4**



Fully appraised stores: **100**



*Stores have completed Appraise phase, but are still pre-Storage Permit application



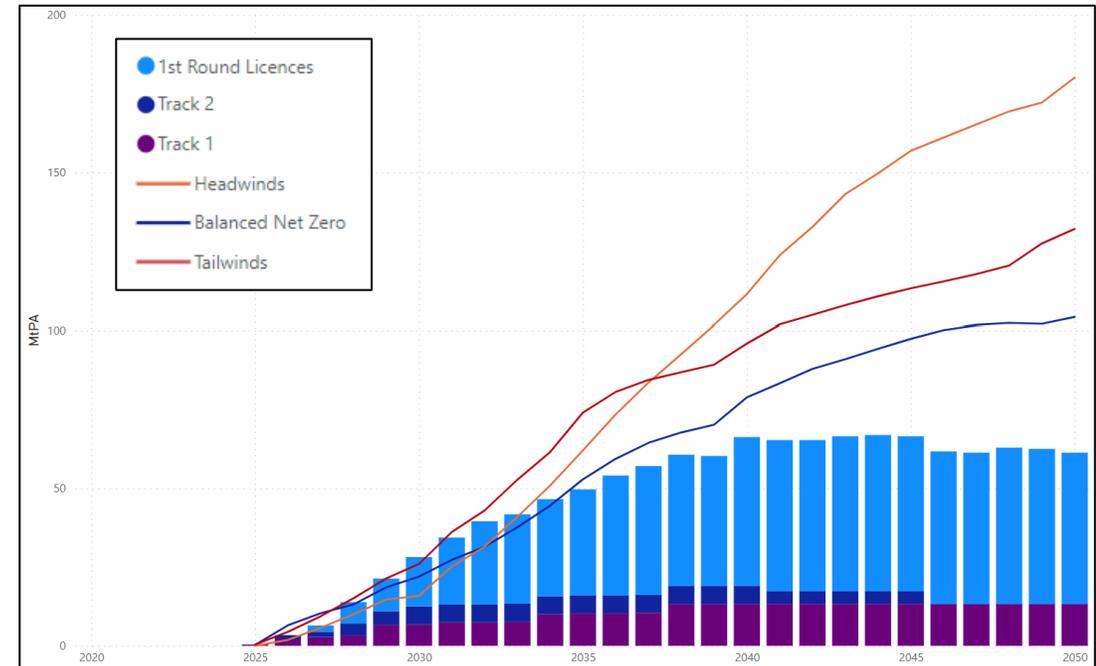
21 Licences offered for award
Diversified Portfolio (Aquifers & Depleted Fields).

Key Success Metrics:

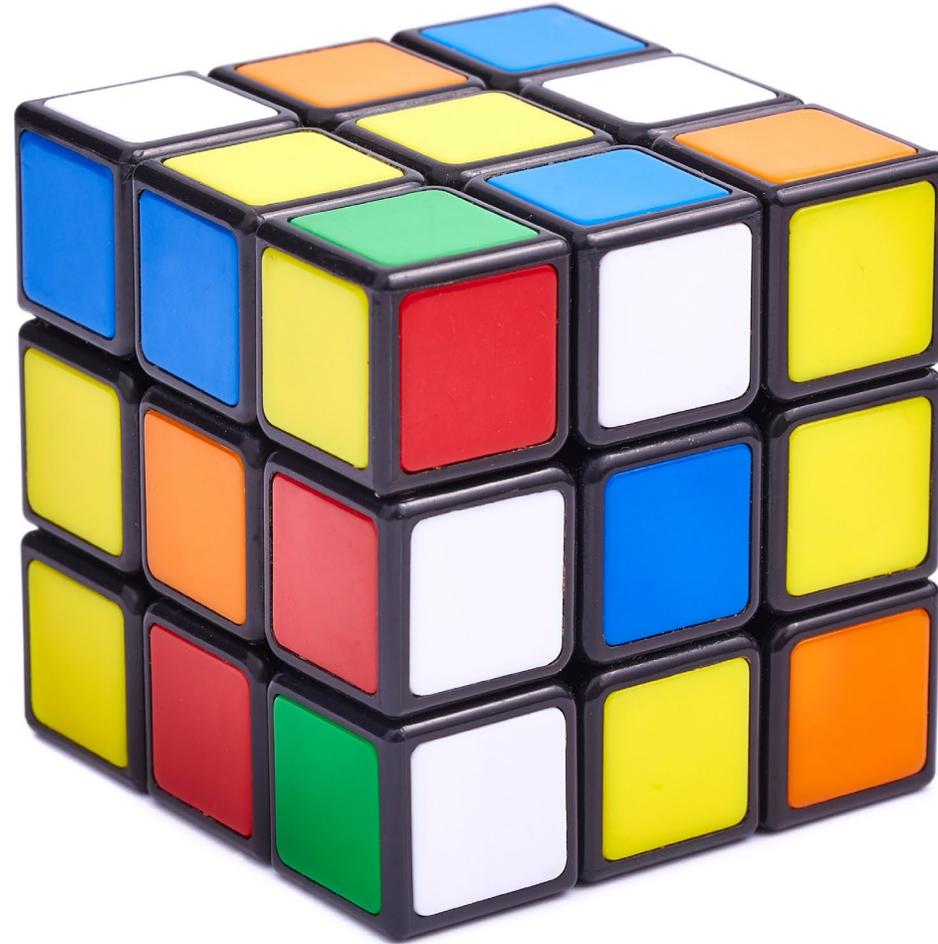
- **5 Firm Wells/Tests (8 Contingent)**
- **4 Firm Seismic Shoots (6 Contingent)**
- Additional reprocessing and studies commitments

Expectation that licensees will work collaboratively with each other, and with marine users from other sectors.

Estimated annual injection rate (discounted)

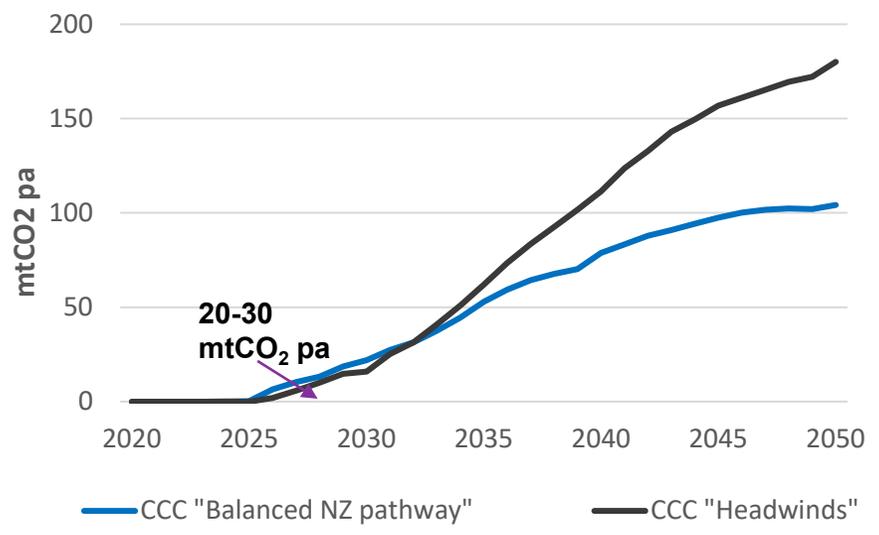


The Offshore Energy Rubik's Cube

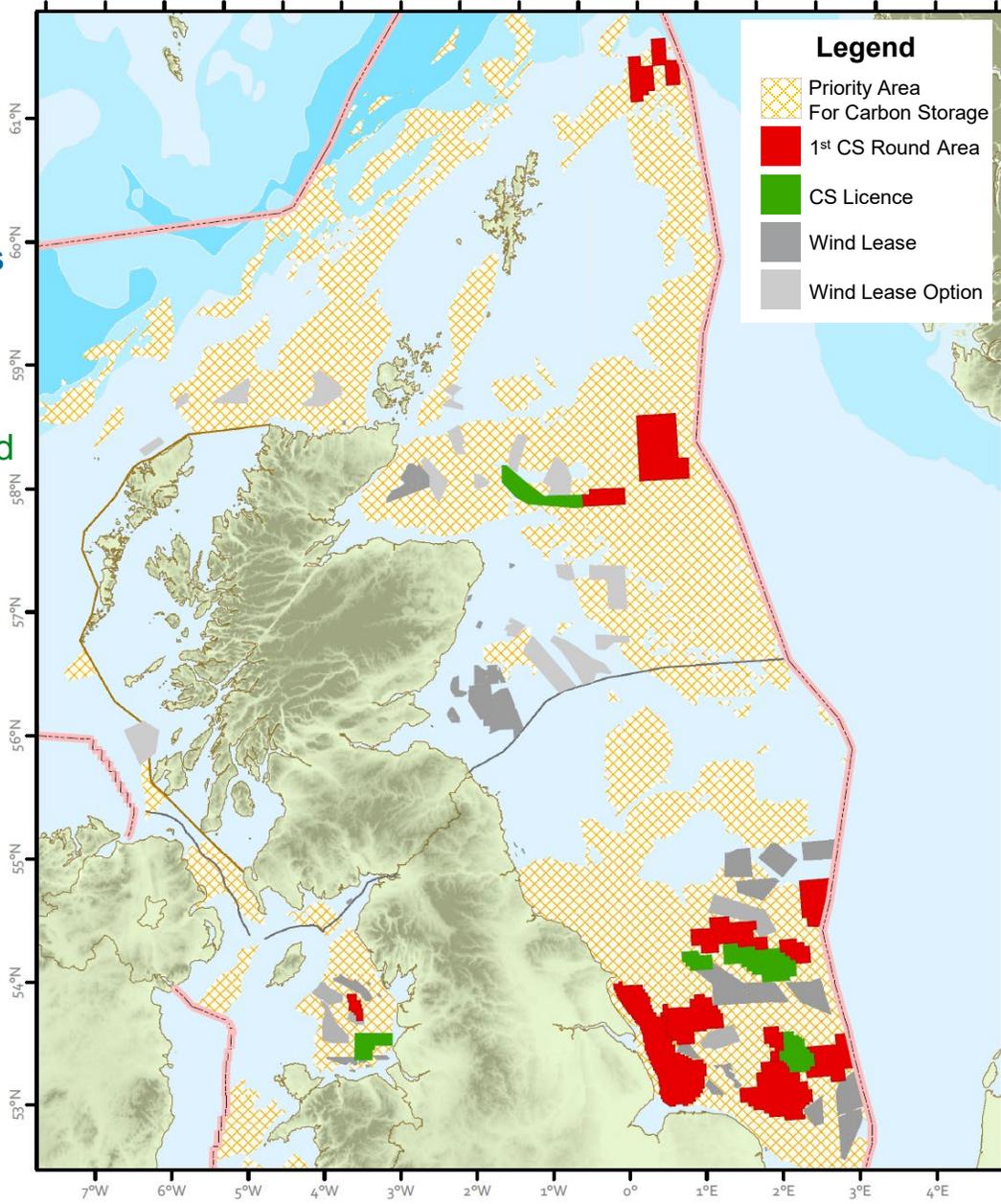
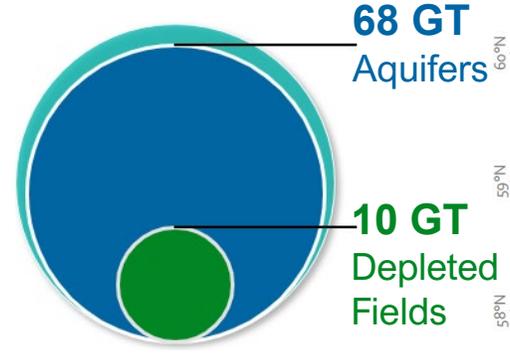


CCS – You can make this happen

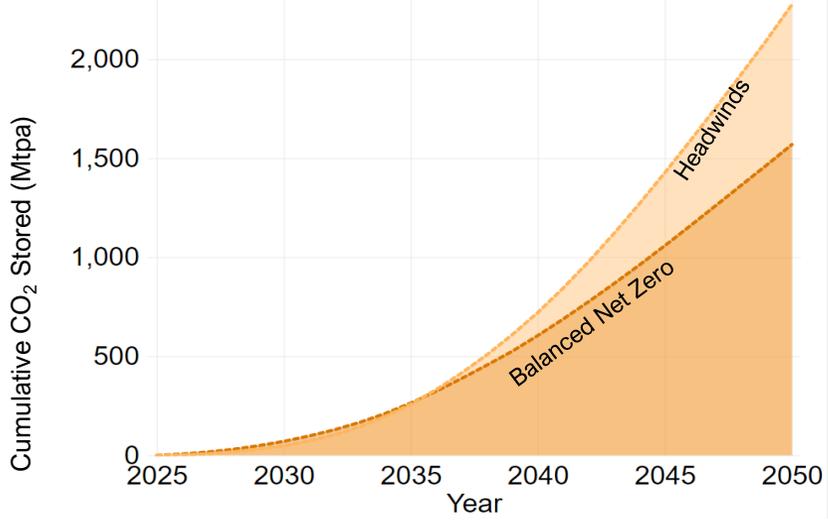
UK CCS Net Zero Requirements – MTCO₂pa



78 GT Total UKCS
Potential Storage Capacity



UK CCS Net Zero Requirements - Total



Cumulative volume



Appraised stores





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Thank you
