

Acorn – UK Central North Sea

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Acorn Storage Projects

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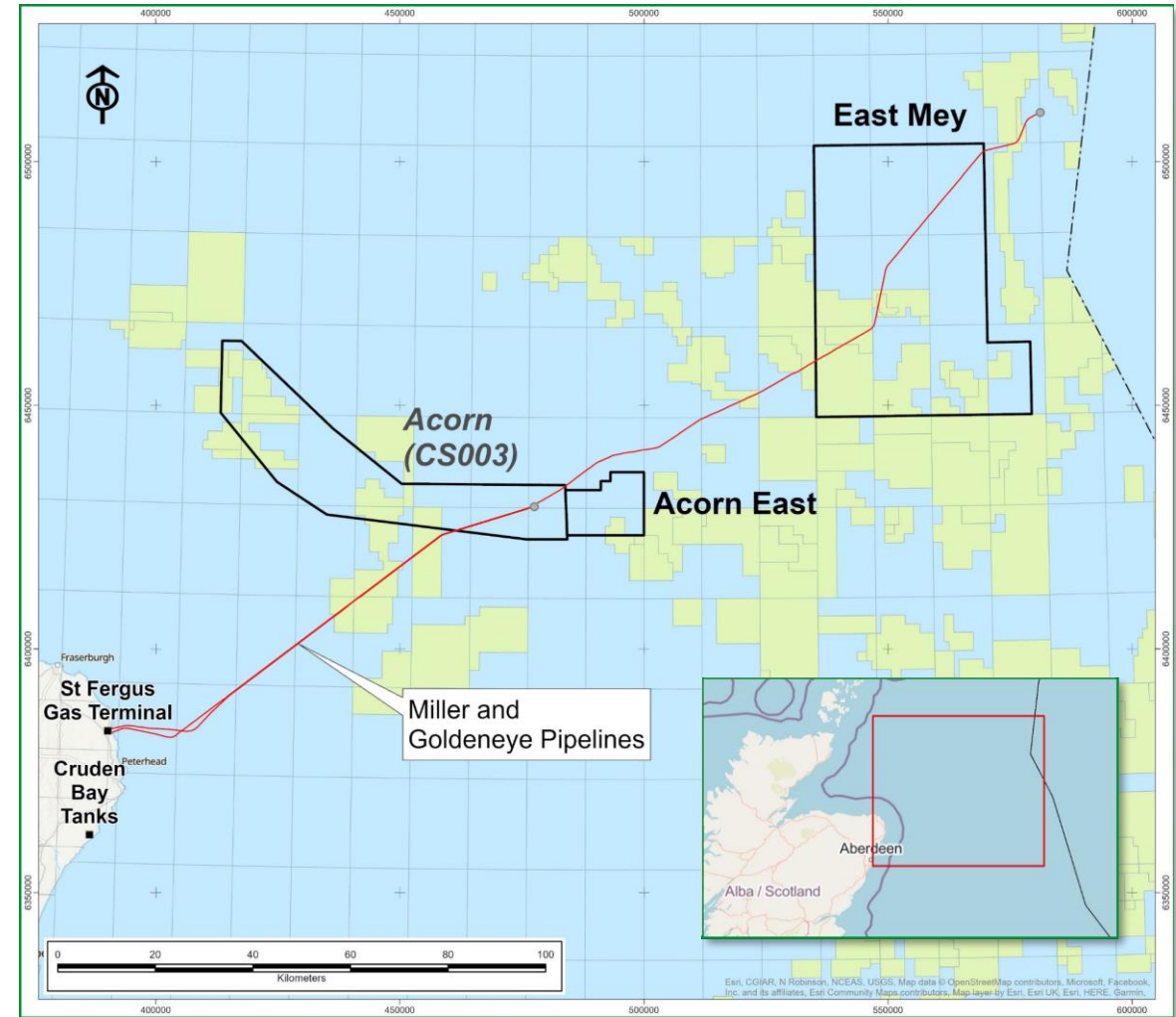
UK Central North Sea

Acorn Captain Fairway:

Depleted fields connected to a large aquifer system, single Lower Cretaceous sandstone reservoir unit

East Mey:

Very large regionally-connected Paleocene Mey and Maureen sandstone aquifer underlying a number of depleted fields

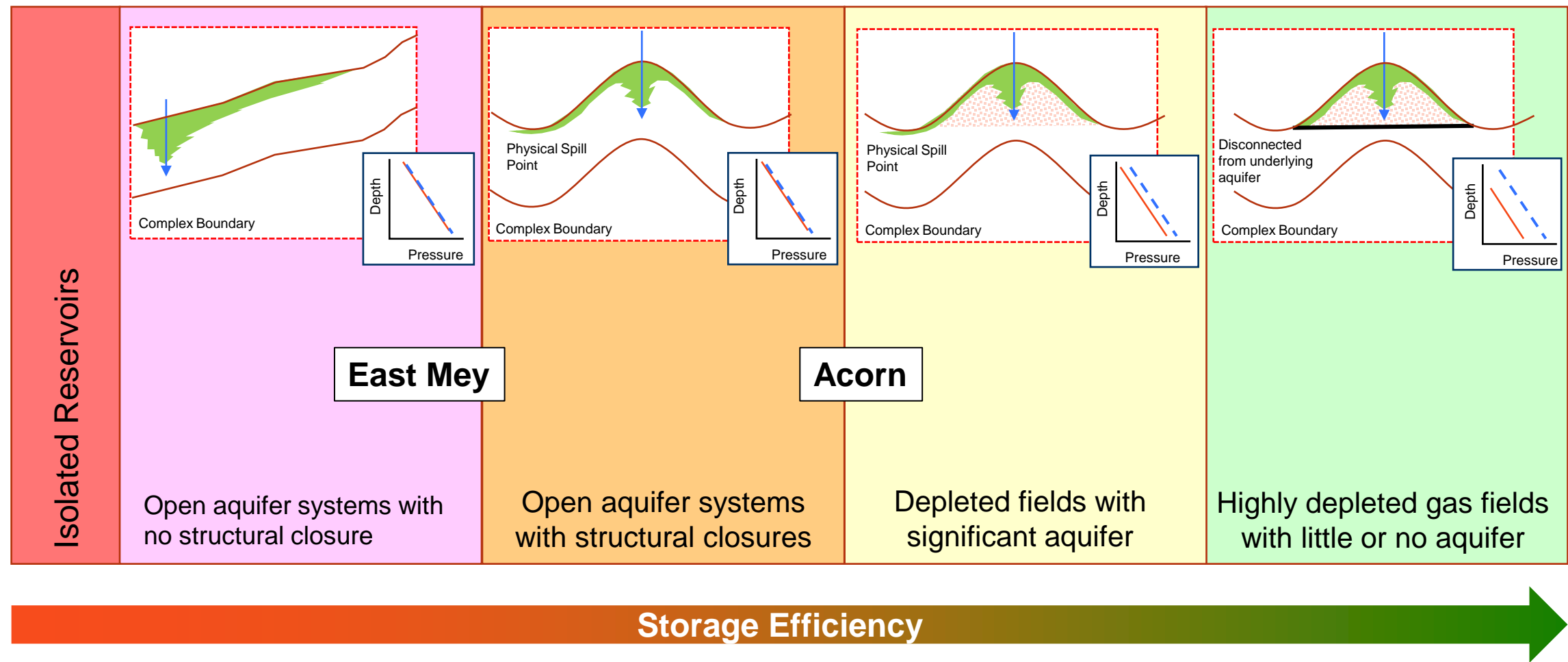


Development partnership: Storegga, Shell, Harbour Energy, North Sea Midstream Partners

Storage Efficiency vs Store Type

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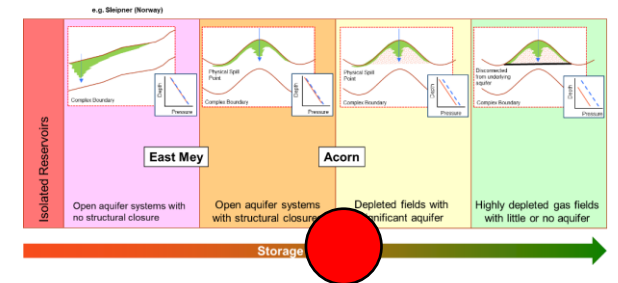
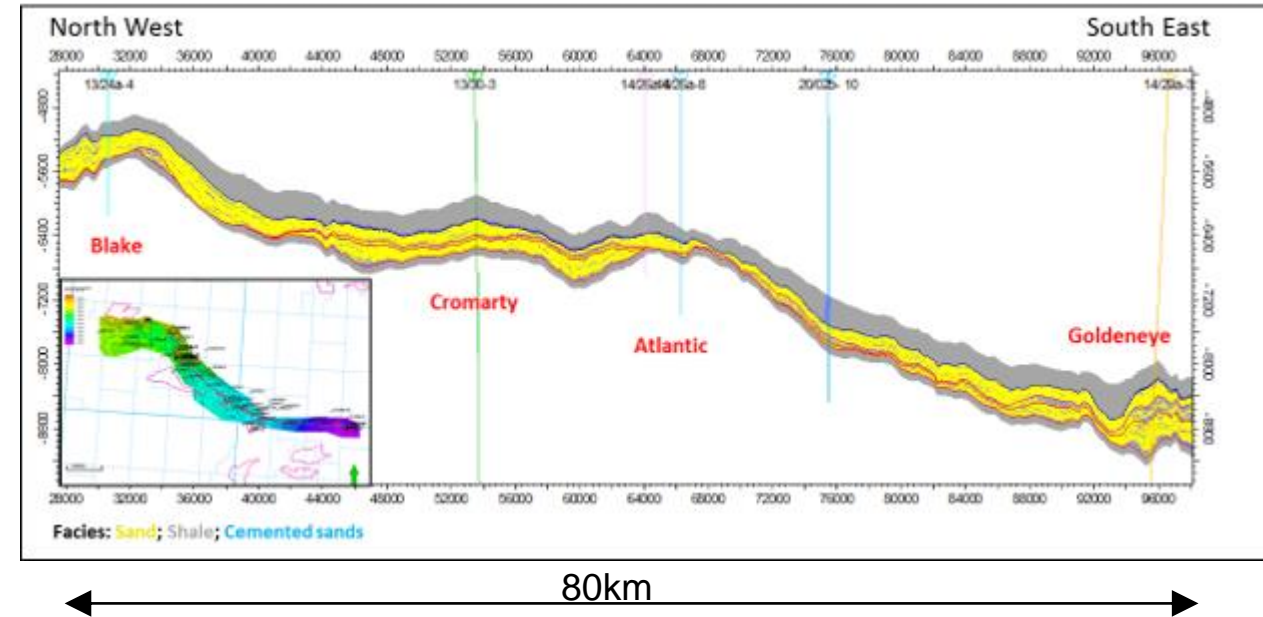
e.g. Sleipner (Norway)



Acorn Captain Fairway

STORAGE

- Initial storage phase
- Pressure-connected fairway
- Combination of aquifer and structural traps e.g. Goldeneye
- Transportation via 20" Goldeneye pipeline



International Workshop on
Offshore Geologic CO₂ Storage

East Mey

- Build-out phase
- Massive connected aquifer
- Aquifer store with minimal structural trapping
- Transportation via 30" Miller Offshore pipeline
- Lower storage efficiency => large area required

