



Delivering the Future of Carbon Storage

6 – 7 October 2026
Chester Hotel, Aberdeen

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TECHNICAL PROGRAMME

The past few years have marked a defining period, with carbon capture and storage (CCS) moving from idea to action. Projects are now being built and delivered across the UK, Europe and worldwide, showing that capturing CO₂ and storing it safely deep underground is possible at scale. Governments, industry and researchers are working together to invest in new projects, create clearer rules, and share what they learn.

Attention is now shifting from "can we do CCS?" to "how do we do it well and accelerate deployment?" This year's programme reflects that, spanning five themes across the two days: Subsurface Characterisation & Storage; Wells & Infrastructure; Measurement, Monitoring & Verification (MMV); Policy & Regulation; and Operations & Project Development.

By bringing together industry leaders, researchers and policy makers, the conference provides a platform to share progress, discuss lessons from ongoing projects, and explore pathways for accelerating delivery - from storage site selection and well design through to monitoring, regulation and cross-border CO₂ transport.

Who Should Attend

The CO₂ Storage Conference brings together the full range of professionals working to deliver carbon storage at scale, including:

- **Subsurface and reservoir specialists** – geoscientists, reservoir engineers, and modelling experts working on storage site characterisation and performance
- **Wells and infrastructure engineers** – those involved in well design, integrity, and the transport and storage infrastructure that underpins CCS
- **Monitoring and MMV professionals** – specialists in measurement, monitoring, and verification across the injection lifecycle
- **Policy makers and regulators** – those shaping licensing, regulation, and the commercial frameworks for CCS
- **Project and operations leaders** – developers and operators taking projects from concept through to first injection and beyond
- **Researchers and academics** – university teams and students advancing the science and technology of CO₂ storage
- **Commercial, investment, and supply chain professionals** – those building the business models, financing, and supply chains needed to scale the industry



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DAY 1 : MORNING

Start	Title	Company	Speaker
08:00	Registration, Breakfast and Networking		
08:55	Welcome from Conference Chair		
	Opening Keynote Session		
09:00	Keynote	DESNZ	Christine Yallup
09:15	The Ups and Downs of Building a World-Class CCS Portfolio	Equinor	Peter Ablard
09:30	Integrated and Resilient North Sea CCS Networks	OEUK	Laura Moyle
10:00	Panel Session		
10:30	Networking Break and Posters		
	Wells & Infrastructure 1		
11:00	Challenges encountered during the design of a CO ₂ injection well for a depleted reservoir	Shell	Rob Grauwman
11:25	Operational Lessons Learned from the Porthos Wells Workover campaign on depleted gas fields	Porthos CO ₂ Transport and Storage C.V.	Michael Gunningham & Yves Slagmulder
11:50	Lessons Learned from Reservoir Isolation During the Workovers of Legacy Wells for the Porthos CCS Project	TAQA	Steve Armstrong
12:15	Techbyte Session		
	Accelerating CCS Well Integrity Qualification through Joint Industry Projects	NZTC	Cynthia Bassey
	Innovative Wireline Retrievable Safety Valve Technology for CCUS	Halliburton	Fraser Murray
	Exhibitor Techbyte		
12:35	Networking Lunch and Posters		



DAY 1 : AFTERNOON

Start	Title	Company	Speaker
	Subsurface 1		
14:05	Does CO ₂ Storage Work? Evidence from Geochemical Modelling of the Southern North Sea	University of Liverpool	Richard Worden
14:30	Supercritical Learnings from CO ₂ Core Analysis	Premier Corex	Jules Reed
14:55	The Importance of Production Chemistry for Efficient and Economical Transport, Injection and Storage of Carbon Dioxide - Identifying Risks and Mitigation Strategies	Creative Chemical Solutions	Stephen Heath
15:20	Techbyte Session		
	Innovative technologies and digital workflows for CCS caprock stress testing and in-situ geomechanical profiling	SLB	Richard Jackson
	A Tiered Framework for the Identification, Prediction and Utilization of Shale Creep applied to CCS	Islay Subsurface & Engineering	John Burns
	Leakage without Harm: Operationalising 'No Significant Risk'	TÜV Rheinland Solutions	Angus Busby
15:40	Networking Break and Posters		
	Policy and regulation with panel discussion		
16:10	CS permitting maturation in the UKCS: Regulatory Perspective	NSTA	Lyndsay van Oorschot
16:20	CTS - Legacy Wells Workgroup Update On The Identified Legislative Gaps Relating To Offshore Legacy Wells And Carbon Storage	Storegga	Rodrigo Oropeza Bonfanti
16:30	Permission to Store? Legal Risk and Climate Scrutiny in CO ₂ Infrastructure Consenting	Pinsent Masons LLP	Nick McDonald and Imogen Dewar
16:40	Hybrid CO ₂ Transport Networks: Unlocking Investable, Scalable CCS Infrastructure for Europe	NZTC/Xodus	
16:50	Panel Session		
17:20	Closing remarks		
17:25	Networking Drinks Reception		
19:00	End		



DAY 2 : MORNING

Start	Title	Company	Speaker
08:00	Registration, Breakfast and Networking		
	Subsurface 2		
09:00	The Poseidon Project: semi-analytical modelling of the CO ₂ pilot injection test in the Leman field - a depleted Southern North Sea gas reservoir	Perenco	Tim Whittle
09:25	ASTRA – An Efficient Workflow for Assessing Carbon Storage Resources in Saline Aquifers	TotalEnergies	Alexandre Gaschen & Alexandre Poulard
09:50	Repurposing Depleted Gas Fields for CO ₂ Storage: An Operations Geologist's Perspective on Site Characterisation	Independent	David Rendall
10:15	Techbyte Session		
	Alternative Barrier Systems for CO ₂ Storage Wells: Dynamic Sealing for Legacy Well Remediation, Infrastructure Reuse, and Final Plug and Abandonment.	Resolute Energy Solutions	Emma Lees
	From the Beginning... Ab Initio Insights into Cement-CO ₂ Reactions for CCS Wellbore Integrity	Elemental Energies	James Hanson
	CO ₂ Screening in 5 Minutes: What tNavigator Can Do	tNavigator - RFD	
10:35	Networking Break and Posters		
	Operations and Project development		
11:05	Managing the CO ₂ specification through the CCS value chain	DNV	
11:30	Source to Sink Lessons: Managing CO ₂ Integrity Risks Before First Injection	OGC	Ivan Gutierrez
11:55	Advancing Subsea CCS Design: Update and Early Uptake of IOGP Report 665	IOGP	David Saul
12:20	Techbyte Session		
	Screening the Carbon Superhighway: Data-Driven Site Selection for Shared CO ₂ Infrastructure	Belltree	
	Qualification of Permanent Monitoring Systems for CCUS Wells with subzero operating temperatures	Halliburton Energy Services	Brian McGuigan
	A Legged Robotic Platform with TDLAS Gas Sensing for Mobile CO ₂ Monitoring in CCS Facilities	EniProgetti	Ludovica Capodivento
12:40	Networking Lunch and Posters		



DAY 2 : AFTERNOON

Start	Title	Company	Speaker
	MMV		
13:40	Real-Time Characterization of Subsea Gas Discharges Using Intelligent Acoustic Vision for Advanced CCS Monitoring	Eni	Alberto Moro
14:05	Numerical Temperature Model for CCUS Wells for Injection Conformance Monitoring and Reservoir Flow Profiling	TGT Diagnostics	Sergey Prosvirkin
14:30	Integrated MMV Workflow for CCS Risk Assessment, Monitoring and Control	Baker Hughes	Stephanie Godfrey
14:55	Recent advances in onshore seismic and nonseismic monitoring strategies	University of North Dakota Energy & Environmental Research Center	Trevor L. Richards (Virtual Presentation)
15:20	Networking Break and Posters		
	Wells and Infrastructure 2		
15:40	Two-phase or not two-phase: that is the question. Multidisciplinary approach to two-phase CCS injector well design	Eni CCUS Netherlands BV	Andrey Belikov
16:05	CO ₂ Worst-Case Discharge Scenario – Well Survivability of Existing Casing Systems under uncontrolled CO ₂ Discharge Conditions	Altus Well Experts	Ruggero Trevisan
16:30	Experimental Studies of Halite Precipitation and Implications for Flow Assurance in CO ₂ Injection Wells	Heriot-Watt University	Eric Mackay
16:55	Closing remarks		
17:00	End		



Booking

	Early Bird until 7 August	Standard
Member both days	£300	£350
Member 1 day	£200	£250
Non-members both days	£400	£450
Non-members 1 day	£255	£305
Students & Unemployed both days	£50	£50
Students & Unemployed 1 day	£35	£35

*All costs are subject to VAT at the current rate

*Member rates available to members of the following organisations: SPE; GESGB; The Energy Institute, Aberdeen Branch; Institute of Mechanical Engineers, Aberdeen Branch; EIC; Decom NS; Institute of Measurement and Control, Aberdeen Branch; ICoTA Europe

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Contact Details

Email: aberdeen.events@spe-uk.org



Poster Presentations

Poster presenters will be by their posters during the breaks and lunches on both days.

Title	Presenter	Company
Machine Learning Based Classification of CO ₂ Storage Capacity in European Saline Aquifers Using the JRC CO ₂ StoP Database	Babangida Abdulkadri Abdullahi	Heriot-Watt University
Transitioning from CO ₂ WAG-EOR to Geological Storage in Carbonate Reservoirs : From Dynamic Simulation to Seismic Monitoring	Adriana Comanescu	Heriot-Watt University
Evaluation of the Geochemical Impacts of CO ₂ on Reservoir Reactivity and Storage Performance during Cyclic Underground Hydrogen Storage in Saline Aquifers	Kaletatikor Kingdom Unwene	The University of Aberdeen
Comparative Evaluation of CO ₂ Capture Technologies: Cost, Efficiency, and Contaminant Tolerance from Post Combustion to Direct Air Capture (DAC)	Khosro Jarrahan	Heriot-Watt University
Assessing maximum column height for injected fluids	Richard E Swarbrick	University of Durham
Stability-Controlled CO ₂ Mineralisation in Cement-Based Materials as Engineered Carbon Storage Media	Jingyi Zhang	University of Glasgow
Steady-State dual-injection reactive transport flow	Azibayam Josiah Amabogha	University of Glasgow
Pore-scale numerical modelling of micro-pulsed sCO ₂ flow	Frederick Jimack	University of Strathclyde
Assessment of CO ₂ storage potential in the Bonaparte Basin, Northern Territory	Blessing Afolayan	Stellenbosch University

Exhibition Opportunities

Exhibiting at the CO₂ Storage Conference is a cost-effective promotional opportunity. There will be ample opportunity for maximum interaction between exhibitors and delegates during the registration period, coffee breaks, and during lunch.

Exhibition Stands **£1,200 + VAT**

Exhibition packages include:

- A basic exhibition space (approx. 3m wide x 2m deep) suitable for a pop-up portable display stand or tabletop display. A 6ft table and two chairs will be provided.
- One free delegate pass for the conference
- Logo and company profile in abstracts e-book issued to all delegates.
- Guaranteed 5-minute Techbyte in the programme (optional)

To enquire about sponsorship or exhibition packages, please contact aberdeen.events@spe-uk.org



Sponsorship Opportunities

The organisers of this event, SPE Aberdeen and GESGB, are not-for-profit organisations with the shared aims of:

- Promoting **technical knowledge and research** in the energy sector
- Supporting **professional development and career growth**
- Facilitating **networking and collaboration among industry professionals**
- Encouraging **education, outreach, and future talent development in energy**

Raising sponsorship is crucial to help us ensure that the CO₂ Storage Conference continues to be an affordable and valuable training opportunity for the industry, to enable us to re-invest back into industry, and to support our future workforce.

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Platinum Sponsor **£5,600 + VAT**

- Prime positioning of company branding across all event materials including website, abstracts flyer, conference programme, conference slides and abstracts book
- Place on the technical committee
- Exhibition Stand
- Social media input – provide content for 2 posts prior to event
- Opportunity to display pop-up banners in conference room (to be supplied by sponsor)
- 5 x delegate passes

Event Sponsor **£3,500 + VAT**

- Company branding across all event materials including website, abstracts flyer, conference programme, conference slides and abstracts book
- Exhibition Stand
- Social media input – provide content for a post prior to event
- Opportunity to display pop-up banners in conference room (to be supplied by sponsor)
- 3 x delegate passes

Early Career Professionals Supporter

£2,000 + VAT

- Logo to appear on event materials including website, abstracts flyer, conference programme, conference slides and abstracts book
- Fund x5 Early Career Professionals to attend Conference

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- Company branding across all event materials including website, abstracts flyer, conference programme, conference slides and abstracts book.
- Logo on lanyards (to be provided by sponsor, or can be sourced at a cost)
- Opportunity to display a pop-up banner beside the registration desk throughout the event (to be supplied by sponsor)
- Social media input – provide content for a post prior to event.
- 3 x delegate passes

Networking Reception Sponsor **£2,500 + VAT**

- Company branding across all event materials including website, abstracts flyer, conference programme, conference slides and abstracts book
- Opportunity to display a pop-up banner during Networking Reception (to be supplied by sponsor)
- Social media input – provide content for a post prior to event
- 2 x delegate passes

Event Supporter **£1,500 + VAT**

- Logo appear on event materials including website, abstracts flyer, conference programme, conference slides and abstracts book
- 1 x delegate pass for conference

