

CCSA Technical Forum Minutes 8 December 2025

14:00-16:00 GMT / 15:00-17:00 CET

Microsoft Teams Meeting

Link to Meeting Recording Here: <https://vimeo.com/1148717130/1c1ea0bd3d>

Chair: Andy Brown, Progressive Energy & Suzanne Ferguson, Wood

No.	Item	Action
1	<p>Introductions and CCSA competition law policy notice <i>Andy Brown (Co-chair)</i></p> <ul style="list-style-type: none"> • New members introduction: <ul style="list-style-type: none"> ○ Daniel Clews, Northern Endurance Partnership ○ Behnaz Rahimi Zand, Worley ○ Nicola Black, AI Exploration ○ Andrew Sclater, Progressive Energy ○ John Woods, Wood ○ Muhammad Zeeshan, SLB Capturi ○ Vijitha Vivekanantharajah, MHI • Technical Forum co-chair nomination process was covered: Current co-chairs' terms have ended so the CCSA is looking for up to four new co-chairs to be nominated for a two-year term starting at the end of this year. Nominations are now open; current co-chairs may renominate. If more than four nominations are received, a voting/election process will be held. 	<p>Action: Submit your co-chair nominations (<i>name, company and role</i>) to despoina.tsimpridakidou@ccsassociation.org by 19 December [Completed]</p>
2	<p>Energy Institute Updates <i>Eva Leinwather, Energy Institute</i></p> <p><i>Refer to slides and recording for presentations details.</i></p> <p><u>Q&A</u></p> <ul style="list-style-type: none"> • Query raised on next steps from HSE workshops that took place this year and whether a summary had been drafted. <ul style="list-style-type: none"> ○ No updates or a summary to provide yet as currently through drafting and publishing process. Further updates to be provided in 2026. 	<p>Action: The Energy Institute is seeking feedback on their draft <i>Material Degradation associated with conveyance and storage of carbon dioxide</i> report. Please provide your comments.</p>
3	<p>Proposal on CO₂ Odourisation: Position paper driven by the CCSA Standardisation WG <i>Alberto Sanchez, CCSA</i></p> <p><i>Refer to slides and recording for presentations details.</i></p>	<p>Action: If you are interested in participating in the CCSA Standardisation Working Group to contribute to the CCSA's</p>

	<ul style="list-style-type: none"> • Support expressed from members of the Technical Forum to continue with the odourisation workstream. • Agreement expressed that this workstream will be run through the CCSA Standardisation Working Group due to links with CEN. 	odourisation position paper, please let alberto.sanchez@ccsassociation.org know.
4	<p>Presentation: standards-based challenges that risk delaying deployment of CCUS projects <i>Andy Brown, Progressive Energy (Co-Chair)</i></p> <p><i>Refer to slides and recording for presentations details.</i></p> <p><u>Q&A</u></p> <ul style="list-style-type: none"> • The project is only currently looking at CO₂ transport and storage (not capture of CO₂) and drawing from oil & gas standards/guidance can be transferred across. • No other sector-specific guidance is being drawn in currently but there was agreement that there is good precedent to look at from the chemicals and advanced manufacturing sectors. • CCSA members will be kept up to date with this project and the final product/report will be circulated to CCSA technical forum members when it is published. 	
5	<p>Presentation: Fuelling the CO₂ transition with Direct Air Capture <i>Peter Van Hooft, Skytree</i></p> <p><i>Refer to slides and recording for presentations details.</i></p> <p><u>Q&A</u></p> <ul style="list-style-type: none"> • Query raised regarding the potential scale up of the presented technology. <ul style="list-style-type: none"> ◦ Increasingly looking at modular systems to increase capacity and scale up quicker with theoretical potential to implement systems up to 1 bn CO₂ capture per year. • Query raised regarding temperature of useful waste heat. <ul style="list-style-type: none"> ◦ From 50° onwards it would be of interest to look whether we can make a meaningful business case. • Query raised regarding the type of CO₂ infrastructure needed and potential for co-location. <ul style="list-style-type: none"> ◦ It could be interest to look at multi-purpose hub approaches where we basically capture carbon dioxide as a service and service multiple types of offtakers, including greenhouses in the Netherlands. 	
6	<p>Presentation: Impact of CO₂ Impurities on Purification for CO₂ Liquefaction <i>John Woods, Wood</i></p> <p><i>Refer to slides and recording for presentations details.</i></p> <p><u>Q&A</u></p>	

	<ul style="list-style-type: none"> • Area of interest and active research that is ongoing. • Achieving higher volumes of LP shipping comes down to the weight and the design of the vessel. 	
7	Conclusions and AOB <ul style="list-style-type: none"> • Next Meeting: April 2026 	

Action	Who	Deadline	Progress
[Reminder] The Energy Institute is seeking feedback on their draft <i>Material Degradation associated with conveyance and storage of carbon dioxide</i> report . Please provide your comments by using this comment form and submitting it to eleinwather@energyinst.org and sroy@energyinst.org .	CCSA members	16 January 2026	Ongoing
If you are interested in participating in the CCSA Standardisation Working Group to contribute to the CCSA's odourisation position paper, please let alberto.sanchez@ccsassociation.org know.	CCSA members	As soon as possible.	Ongoing
For any further questions or information on the presentations of the forum please contact the relevant speaker directly (see contact information in the slides below).	CCSA members	n/a	n/a
Submit your co-chair nominations (<i>name, company and role</i>) to despoina.tsimprikidou@ccsassociation.org	CCSA members	19 December	Completed