

DRAFT OFFSHORE WIND & CCS COLOCATION FORUM 15th PLENARY MEETING



Meeting details	1 October 2025 13.30-15.30 The Crown Estate, Charles II Street; Crown Estate Scotland, 2 Lister Square, Microsoft Teams
Chair	Adrian Topham, TCE
Attendees	Max Musing, CCSA Jamie Hart, CES Lauren Russell, DESNZ Paddy Dowey, DESNZ Michelle Calvert, MMO Nick Richardson, NSTA Jo Bagguley, NSTA Alison Todd, NSTA Grant Phillips, OREC Oscar Wilkie, OWIC (RUK) Elen King, Welsh Gov Charles Green, TCE Ben Frei, TCE
Apologies	Beth Hebditch, CCSA Fiona Munro, Marine Scotland Viana Iancu, NSTA Yuenfan Cheung, DESNZ Wael Khatib, DESNZ Tom Mallows, CES Jerome Malhotra, Defra Helen Hallsworth, TCE Denise Moylan, TCE, Michael Blair, TCE

Item	Owner
1. Welcome	Adrian Topham
2. H&S moment	Oscar Wilkie
3. Matters arising	Ben Frei
4. Project Colocate	Adrian Topham
5. Project Anemone	Adrian Topham
6. Monitoring Project	Adrian Topham
7. AOB	Adrian Topham / Ben Frei

DRAFT OFFSHORE WIND & CCS COLOCATION FORUM 15th PLENARY MEETING



Item	Notes	Action
1.0	Welcome The chair welcomed all attendees and attendees confirmed via a round of introductions.	
2.0	H&S moment The Health and Safety moment centred on the Global Human Factors Health and Safety Survey which has been launched by the Global Wind Organisation (GWO) in collaboration with Robert Gordon University. Given the offshore energy sector is expanding rapidly, both in terms of geographic footprint and workforce numbers, recruitment and training of skilled workers is a pressing priority, making the enforcement of robust safety protocols essential. The UK, as an established market for the wind industry, holds responsibility as a standard bearer, setting precedents for health and safety that other countries may follow. Particular attention is required for operations where multiple industries are colocated geographically and temporally (e.g., increased helicopter and vessel traffic with multiple operators), which introduces new risks and challenges, and recent Forum project outputs have highlighted several access challenges and risks associated with industry growth. The H&S survey, which takes approximately 10 minutes to complete, targets frontline workers (such as wind technicians), operational managers, and HSE (Health, Safety, Environment) specialists, and aims to gather industry perspectives on human factors, including situational awareness, organisational culture, incident reporting, and their influence on safety and productivity. The survey results will inform future GWO training standards, ensuring they reflect actual worker experiences and improving industry safety outcomes. The findings may also inform training regimes in other, less mature offshore energy sectors, such as CCS. Anyone interested in the survey or wishing to circulate the survey link for broader awareness is encouraged to contact Oscar Wilkie directly for details. A question was raised, asking for clarification on whether the survey focused on operations or also at construction and decommissioning. It was confirmed that the survey covers the entire project lifecycle. An action was taken to share the findings of the survey, once released, with the Forum. It was also noted that there are a number of H&S working groups within the CCSA who may wish to have sight of the results, and that stakeholders in Project Anemone would be made aware of the survey too.	15.1
3.0	Matters Arising OWIC to continue to engage offshore wind developers on their awareness around colocation with the view to hold a webinar alongside TCE Ongoing – this action is ongoing and will become more pertinent as we seek to engage with developers.	

DRAFT OFFSHORE WIND & CCS COLOCATION FORUM 15th PLENARY MEETING



	13.2 Full findings for Project Colocate to be presented to the forum at the 15th Plenary • Complete – Outputs are presented as part of the Plenary and captured in the minutes below 13.3 OWIC to gain an understanding of colocation insurance work already underway • Ongoing – to be picked up as part of the risk assurance / insurance project • OWIC is in the process of adding insurance organisations to its membership base. Once these are onboarded, there may be opportunities to understand insurance queries the wind industry has. 14.1 Share details of insurance work carried out by CES aquaculture team • Closed – details related to internal matters and leases, so was not relevant to the Forum 14.2 Agree approach to communicating colocation lessons learnt via CCSA forums and meetings • Ongoing – further conversations to take place between TCE and CCSA to determine the best forum for sharing information 14.3 Produce a communications plan for the Forum • Ongoing – Communications support is being procured and will be onboarded in October 2025 14.4 Set up a conversation between the technology team and TCE to initiate the conversation regarding monitoring technology • Closed – NSTA put TCE in touch with the correct contact, and conversations are ongoing 14.5 Determine the correct contact to support market engagement regarding monitoring technology • Ongoing - CCSA and TCE to engage to find appropriate contact, and link in with NSTA contact 14.6 Explore how to engage market regarding ongoing monitoring innovation work • Ongoing – linked to action 14.5. Once contact is determined, conversation to be held regarding appropriate market engagement 14.7 Send out next plenary meeting once suitable start times are confirmed • Closed	
4.0	Project Colocate TCE outlined that this project represents the third major project generated by the Forum, following earlier work on spatial characterisation and seismic monitoring. Led by the University of Aberdeen, the project is now complete, with a combined report prepared to cover both the East Irish Sea and the Outer Moray Firth produced. TCE clarified that while the document is termed a combined report, it essentially consists of two separate reports, merged due to the distinct nature of the research in each area. The final report is undergoing revisions aimed at improving clarity and cohesion, with the goal of publishing it by the end of the October 2025. An outcome summary has also been produced to enhance accessibility of the key findings.	

DRAFT OFFSHORE WIND & CCS COLOCATION FORUM 15th PLENARY MEETING



	Access issues were a key finding presented in the report - monitoring, intervention on wells (including vessels for seismic activity and drilling rigs), and helicopter access—with each presenting specific challenges in marine environments, especially around wind farms and turbines. The report details circumstances in which such issues are more or less pronounced, aligning with Project Colocate’s objective of also examining geological situations in the two regions studied. TCE presented that there are nine identified areas in the East Irish Sea with a potential overlap between carbon storage sites and planned wind developments, although only two major overlaps currently exist. Further, geological risks—including CO₂ migration within and beyond designated storage complexes—and legacy wells represent additional concerns. These are explored in greater depth within the report. [Note: each Developer must assure the NSTA that all legacy wells within their planned development have been fully evaluated with respect to well integrity and their potential leakage risk as part of the overall characterisation of the storage site and complex ahead of any potential storage permit application.] Further analysis covers the Scottish waters, specifically licence areas 3 and 12 (Acorn and East Mey, as shown on the map on slide 12 of the Plenary slides). Here, broad overlaps are observed between carbon storage plans, wind farms and oil interests, based solely on publicly available data. The study underscores the limitations inherent in public-domain information, as no proprietary data were accessed. Potential solutions proposed include safe access corridors and buffer zones, though these are recognized as only partial mitigations against geological and legacy well risks. TCE highlighted that the study also provides extensive insights into monitoring, measurement, and verification (MMV) technologies, evaluating alternatives to traditional towed streamer seismic techniques. A variety of autonomous and less invasive technologies have been assessed for their suitability across different geological contexts. The report does not prescribe universal solutions but discusses where particular techniques may—or may not—be applicable. Additional tables and diagrams (slides 14 & 15) illustrate how different monitoring strategies intersect with logistical requirements, such as ship, rig, and helicopter access, as well as the challenges posed by colocation of infrastructure. The report highlights that while technological advancements continue, no single solution presently addresses all scenarios. Planning should therefore accommodate flexibility for adopting new technologies as they become available. TCE noted an important consideration is operational adjustments and planning, exemplified by amendments to the Acorn licence area, which resulted from geological rather than wind-farm-related factors. Recommendations include avoiding drilling for oil and gas through carbon stores and ensuring that monitoring plans accommodate future technology advancements by collecting baseline surveys suitable for later integration. Coordination among regulatory bodies, seabed owners, and other stakeholders is emphasized as essential for preventing avoidable conflicts. The collaborative approach underpinning this forum and related initiatives demonstrates progress in aligning various interests. It was noted that the full report, with necessary revisions, is expected to be made available first to Forum members, then published via the Marine Data Exchange and on the Forum website.	
--	--	--

DRAFT OFFSHORE WIND & CCS COLOCATION FORUM 15th PLENARY MEETING



	It was noted by the Forum that the presented front cover of the report does not mention CCS or Offshore Wind. It was suggested that a simple strap line be used to highlight the purpose of the study. TCE confirmed that this would be raised and the front cover will be updated. The Forum also expressed the desire for joined-up communications as part of the publishing of the full report. TCE agreed to share the text with Forum prior to publishing. There was also a query regarding the deadline for any final comments on the summary report and main report. TCE stated that a date will be confirmed as part of the action following the Forum plenary. TCE also stated that a disclaimer was being drafted to accompany the report.	15.2 15.3 15.4
5.0	Project Anemone TCE re-stated the different stages of Project Anemone • Stage 1 – information gathering exercise across different parties (public sector). The project is intending to ensure that it has a full understanding of regulators and seabed owners and all the regulatory and consenting processes. • Stage 2 – hold a series of workshops across CCS, oil & gas and offshore wind, with a combined workshop to collate and confirm findings • Stage 3 – create shortlist for further investigation and create a guidance note (to be recommended good practice) of how simultaneous operations between sectors could proceed TCE stated that initial engagement had already been carried out for many of the stakeholders involved, but that there was ongoing engagement to close out stage 1 of the project. The MMO asked for an invite to be sent to them to enable their input into stage 1 too, and TCE took an action to let the PDP know so an invite could be sent. TCE stated that during the completion of stage 1, the intention is to produce a report composed mainly of charts and planned process maps relevant to the three offshore energy sectors. Existing knowledge is supplemented by adding perspectives from CCS, wind, and oil & gas. The report will provide context rather than making specific project recommendations, and will identify operational challenges and consider potential solutions influenced by processes and regulations. Once drafted, the report may lead to updated perspectives among sector members and operators. The goal is to release the stage 1 report by the end of the month. For stage 2, three sector-specific workshops are planned through November – one for each sector: carbon capture run by NECCUS, oil and gas run by OEUK and wind run by OREC. All project delivery partners will participate for a comprehensive approach and understanding to be gained, though each sector body leads its respective workshop. These sessions will be followed by a multi-sector workshop involving representatives from all three sectors. Outcomes from prior workshops will inform discussions at this cross-sector meeting. TCE stated that all workshop discussions will be kept confidential, with only agreed outcomes published. Individual organisation contributions will remain anonymous	15.5

DRAFT OFFSHORE WIND & CCS COLOCATION FORUM 15th PLENARY MEETING



	except where clarification by the project delivery group is necessary. Participants in Project Anemone will have an opportunity to review the stage 1 report and offer feedback and suggestions, which will be incorporated into the stage 2 report forming the basis for the final stage 3 outcomes report. Communication efforts will utilise available support, aiming to coincide with workshop invitations and industry notifications. A published communications release will inform stakeholders about the project's progress and invite participation which will be shared with Forum members prior to publication, and OEUK will issue a similar communication as co-sponsors. TCE noted that the difficulty with organising the stage 1 interviews is the number of organisations with a footprint across multiple sectors being covered by Project Anemone, and therefore finding the right person in each organisation to attend the individual workshops. A query was raised by the Forum regarding the inclusion of transmission operators within Project Anemone, and it was suggested for OREC to have a conversation with RUK about whether to include transmission owners within the workshops. It was noted that while the difficulty of Project Anemone increases with a greater number of stakeholders, cable operators and owners are a key part of the OSW sector. TCE highlighted that the project will be extended to accommodate the inclusion of OREC and the separation of workshops into sectors. The project is now likely to finish in March 2026.	15.6
6.0	Monitoring Project TCE noted that the Project Colocate report includes a lot of content regarding alternative monitoring technologies and their readiness to fulfil both regulatory and developer requirements. TCE highlighted that there is already significant activity occurring across the supply chain, particularly within tier one suppliers, though notable developments are present in lower tiers where technology readiness may be limited. There remains an ongoing need to clarify the objectives of monitoring—specifically, whether it serves a primary conformance or containment function or provides broader confidence assurance. A clear understanding of these purposes is essential before advancing specific initiatives, determining appropriate timing, and identifying the necessary stages in the storage process. TCE noted the current draft aims of the monitoring project, but encouraged members to think on these. The current aims encompass - Understanding current supply chain technology development - Determining the different purposes for monitoring - Determining the timing of monitoring across the project lifecycle - Understanding whether there are colocation monitoring solutions TCE noted that there has been initial engagement with the NSTA on this project, to support the scoping, as they share similar interests and to promote effective joint efforts moving forward. Revisiting previously mentioned points, the diagram from Phil Ringrose of NTNU illustrates aspects such as carbon storage, conformance, containment, and confidence monitoring (please see slide 27 of the accompanying slide pack). One proposed component of this project involves engaging with various supply chain stakeholders to initiate constructive dialogue—a process already underway with NSTA and other industry associations.	

DRAFT OFFSHORE WIND & CCS COLOCATION FORUM 15th PLENARY MEETING



	TCE noted that the objective of the Forum is to develop projects that logically assess available technologies, consider viable solutions, and outline development stages and timelines, and achieving meaningful outcomes will require collaborative scoping. TCE proposed the set-up of a brainstorming session with Forum members to help share the scope of the monitoring project further, once members have had the chance to think about it. The NSTA noted that their technology team will continue to build on work already undertaken in relation to monitoring and suggested a joined-up approach would be preferable for industry to avoid duplication. TCE noted that there is already a large amount of data held across the NSTA's National Data Repository, TCE's Marine Data Exchange, and cable operators may also have collected significant amounts of data, which could be utilised as part of the project.	15.7
7.0	AOB Location and timing of next plenary It was raised that the next Plenary could coincide with the final Project Anemone Workshop, which could enable a project presentation as well. The 21, 28 and 29 January 2026 were offered as potential dates, but it was highlighted by the Forum that the Coastal Futures Conference was happening on the 28/29 January 2026. The proposed location was also queried, as the previous Project Anemone workshops are being held in Aberdeen. TCE suggested the venue could be somewhere mutually convenient to all attendees, and took an action to send a poll to attendees. H&S moment CES confirmed they will present the next H&S moment at the January Plenary. CES also raised a final point to ensure the slide deck is updated prior to publishing.	15.8 15.9 15.10

#	Action	Due date	Owner
15.1	Share findings of GWO Global Human Factors survey once published	TBC	RUK
15.2	Front cover of the Project Colocate report to be updated	31.10.2025	TCE
15.3	TCE to ensure Forum has sight of external comms for Project Colocate prior to publishing	24.10.2025	TCE
15.4	Colocation Forum members to feedback any comments on the Project Colocate report or summary report	24.10.2025	All
15.5	TCE to ensure the Project Anemone PDP include MMO in the stage 1 interviews	08.10.2025	TCE
15.6	OREC and RUK to have a conversation regarding the inclusion of transmission operators in the stage 2 workshops	31.10.2025	RUK

**DRAFT OFFSHORE WIND & CCS COLOCATION
FORUM 15th PLENARY MEETING**



15.7	Set up a brainstorming meeting with the Forum to support Monitoring Project scope development	30.11.2025	TCE
15.8	Send a poll to Forum members to decide on time and location for in-person plenary session	31.10.2025	TCE
15.9	Preparation of the next H&S moment	January 2026	CES
15.10	Update the Project Colocate slides prior to publishing	10.10.2025	TCE