

WEROCK 2026

1st International Workshop
on Challenges of Offshore
Foundation Design on
Weak Rocks



Friday, 9 October 2026



Campus Ullevål, NGI, Oslo



Organized by NGI

NGI

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**Nordic Energy
Research**



DEME

FINAL PROGRAMME

WEROCK 2026 - 1st International Workshop on Challenges of Offshore Foundation Design in Weak Rocks

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Time	Speaker / item	Presentation / notes
08:30–09:00	Arrival, registration and coffee	Speaker setup and technical checks
09:00–09:10	Welcome and opening remarks	Lars Andresen (NGI): Welcome/Opening H. Kürşat Engin (NGI): Rock Off SP Intro & Objectives of WS
09:10–10:20	SESSION 1 – Numerical modelling and practical design methods	Chair: Sylvie Raymackers (DEME) Co-chair: H. Kürşat Engin (NGI)
09:10–09:30	Lidija Zdravković (Imperial College London)	Challenges with initialising rock state and capturing brittleness in continuum-based numerical models of rock foundations
09:30–09:50	Matteo Ciantia (Uni. Dundee / Uni. Milano-Bicocca)	Numerical derivation of Installation effects on axial and lateral performance of displacement piles in chalk
09:50–10:10	Alessio Genco (NGI)	Rock-Off Numerical modelling approaches
10:10–10:30	Coffee break	
10:30–12:10	SESSION 2 – Broader rock experience and industry/developer perspectives	Chair: Nataša Katić (GEO) Co-chair: Patrizia Vitale (NGI)
10:30–10:50	Tron Golder Kristiansen (AkerBP)	Challenges with extracting hydrocarbons from weak chalk reservoirs
10:50–11:10	Andreas-Nizar Granitzer (NGI)	A Methodological Approach for Managing Known Unknowns in Offshore Shaft Construction
11:10–11:30	Sylvie Raymackers (DEME)	Offshore foundations in rock: a contractor's view
11:30–11:50	Iñaki Funes Macarro (EDF Renewables France)	Challenges in OWF development in calcarenite/weak rocks: Developer's perspective
11:50–12:10	Yaseen Sharif (Seaway 7)	Driven Pile Design & Installation in Weak Rock - Current Industry Practice
12:10–13:00	Lunch	
13:00–13:10	Thomas Langford (NGI)	Mechanisms for R&D and industry collaboration: from identified challenges to joint research
13:10–14:10	SESSION 3 – Site investigation, characterisation and design uncertainty	Chair: Lidija Zdravković (Imperial College London) Co-chair: Pasquale Carotenuto (NGI)
13:10–13:30	Nataša Katić (GEO)	Laboratory characterization of chalk for OWF
13:30–13:50	Brendan O'Boyle (SSE)	A provisional geotechnical characterisation of mudstones at a Scottish Offshore Wind farm site in the North Sea
13:50–14:10	Jack Rice (NGI)	Sampling, testing and characterization of mudstones: Challenges and lessons learned
14:10–14:30	Coffee break	
14:30–15:15	Panel discussion	Moderator: Rasmus Tofte Klinkvort (NGI) Panellists: Lidija Zdravković (Imperial College London), Sylvie Raymackers (DEME), Brendan O'Boyle (SSE), Tron Golder Kristiansen (AkerBP)
15:15–15:30	Workshop wrap-up / CLOSURE	Thomas Langford (NGI) Key messages and next steps