



# 23rd EIG 2024 Provisional Programme



	timing	Main Auditorium, Middleton Hall	Larkin C lecture theatre, Middleton Hall	
Day 1	9.00 am start	<b>Opening Plenary Session (01)</b>	(Larkin C theatre not used until 11:30 am)	
	5 mins	Welcome by the Conference Chair: Alex Finlay, Chemostrat Ltd.		
	10 mins	Opening Address by (tbc), University of Hull		
	25 mins	The geology and mineral resources of East Yorkshire and North Lincolnshire (Eddie Dempsey & Anna Bird)		
	45 mins	The Ansel Dunham Lecture: <i>The Digital Geologist</i> (Adrian Charters, Drone Select)		
	15 mins	Discussion		
	5 mins	A Quick Taste of Liverpool: EIG 2026: Alan Thompson, Cuesta Consulting		
Morning Coffee Break 10:45 - 11:30 am				
	11:30am start	<b>Session 02 - Extraction Optimisation</b> (Chair: Emma Goode)	11:30am start	<b>Session 03 - Back to Basics</b> (Chair: Chris Woodhouse)
	25 mins (incl discussion)	Costs and increase in reserve yield by proactively installing rock-fences (as opposed to earth berms) for two different geological unit quarries. (Adrian Wilkinson)	25 mins (incl discussion)	The Core Principles of Hard Rock Aggregates Exploration Drilling (Duncan Wardrop)
	25 mins (incl discussion)	Operational methods to maximise every tonne of consented material we have. (Dominic Cordner)	25 mins (incl discussion)	What they don't teach you at university! Understanding the challenges of quarry hydrogeology as an early career hydrogeologist. (Jo Schoenberg)
	25 mins (incl discussion)	North Wales quarrying and the Milwr Tunnel (John Sergeant)	25 mins (incl discussion)	Low shear strength bands which dominate rock slope stability (David Jameson)
LUNCH BREAK 12:45 - 2:00 pm				
	2:00pm start	<b>Session 04 - Nature Recovery</b> (Chair: Nick Horsley)	2:00pm start	<b>Session 05 - Waste Reduction</b> (Chair: Jesal Hirani)
	25 mins (incl discussion)	The role of Quarry Geodiversity in Local Nature Recovery (Alan Thompson)	25 mins (incl discussion)	Exploring the mysteries of UK mineral waste (Clive Mitchell)
	25 mins (incl discussion)	Quarrying & Soils: The consequences of Natural Capital and for Biodiversity Net Gain (Neil Humphries)	25 mins (incl discussion)	True Zero Waste Practices – through a combination of Space & Earth technologies, as applied to minerals (Alan Butcher)
	25 mins (incl discussion)	Reviewing Biological SSSIs for Evidence of Mineral Extraction (Simon Higson)	25 mins (incl discussion)	Passive Leaching of Waste Metals: A Scalable low-CO2 Solution for Metal Mine Pollution (Nickolaos Apeiranthitis)
Afternoon Tea Break 3:15 - 3:45 pm				
	3:45pm start	<b>Session 06 - Marine and Coastal Resources</b> (Chair: Peter Scott)	3:45pm start	<b>Session 07 - Resources 1</b> (Chair: Simon McCurdy)
	25 mins (incl discussion)	Marine sand and gravel resource origins, identification and evaluation (Andrew Bellamy)	25 mins (incl discussion)	Melton Chalk quarry (William Hardcastle)
	25 mins (incl discussion)	The Mystery of the Missing Minerals (Amy Stewart)	25 mins (incl discussion)	Directional drilling at the South Crofty project (Lauren Beveridge)
	25 mins (incl discussion)	Sun, Sea and Sand: Highlighting Good Practice for Sand Mining (Tom Bide)	25 mins (incl discussion)	Ffestiniog Quarry, challenges of working in an old slate mining environment (Shaun Johnson)
	5.00 pm close	DAY 1 CLOSE		
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Day 2	9.00 am start	<b>Session 08 - Net Zero</b> (Chair: Clive Mitchell)	9.00 am start	<b>Session 09 - Resources 2</b> (Chair: Craig Ardito)
	25 mins (incl discussion)	Calcined Clay as a low carbon cement substitute (Steve Hopkins - tbc)	25 mins (incl discussion)	The viability of mineral prospects in relation to typical extraction and restoration options and associated groundwater constraints. (Rob Jankowski)
	25 mins (incl discussion)	Subsurface voids and their sedimentology: Implications for drilling into shallow coal mine workings for heat! (Adam Gillett)	25 mins (incl discussion)	Helium: a Critical Raw Material on the danger list (Fin Stuart)
	25 mins (incl discussion)	Optimisation of heat recovery and storage in abandoned mines: an industrial perspective (Jeroen van Hunen)	25 mins (incl discussion)	The geology and history of usage of the Upper Permian Lower Magnesian Limestone in eastern England. (Peter Scott)
Morning Coffee Break 10:30 - 11:00 am				
	11:00 am start	<b>Session 10 - Climate Adaptation</b> (Chair: Emily Hunger)	11:00 am start	<b>Session 11 - Quarry Design Case Studies</b> (Chair: John Sergeant)
	25 mins (incl discussion)	Climate Adaptation and Resilience – It's in your nature (Jim Davies)	25 mins (incl discussion)	Working sand and gravel above critical infrastructure and a practical method to install a below water table sidewall geological barrier. (David Jameson)
	25 mins (incl discussion)	Practical Examples for Decarbonising Quarries (panel discussion)	25 mins (incl discussion)	Overcoming abstraction licence challenges in the minerals sector (Chris Woodhouse)
	25 mins (incl discussion)	Geotechnical call out failures and climate change (Adrian Wilkinson+)	25 mins (incl discussion)	Bantock opencast gypsum mine: change of plant - change of face design (Simon Rees)
LUNCH BREAK 12:15 - 1:30 pm				
	1:30pm start	<b>EIG CONFERENCES AGM</b>		
	2:00pm start	<b>Session 12 - Professional Practice</b> (Chair: Duncan Wardrop)		
	25 mins	KEYNOTE PRESENTATION: Balancing Commercial, Safety and ESG Objectives (Ruth Allington)		
	15 mins	Discussion		
	25 mins (incl discussion)	Inclusion in the Minerals Industry - An Operator's View (Katie Barrett)		
	25 mins (incl discussion)	Professional indemnity insurance for extractive industry geologists (Tracey Riggs)		
	3:30pm	Conference Summing Up and Close - Alex Finlay		
Afternoon Tea 3:40 - 4:15 pm				