

Programme

Petroleum Geology of North West Europe: 50 years of learning-a platform for present value and future success
Queen Elizabeth II Conference Centre, London
28 – 30 September 2015

28 September 2015					
14.00	Registration, refreshments and networking				
14.30	Welcome to the Core Workshop Chair: Boris Kostic, Badley Ashton Churchill room				
14.40	Keynote: The value and importance of core in subsurface understanding Mike Bowman, Texas A&M, Qatar				
Core demos (running simultaneously) Sponsored by Baker Hughes, Badley Ashton, NERC and Schlumberger					
15.00	Magnus, Clair & Schiehallion Fields BP, presented by Doug Boyd, Integrated Sedimentology	Goldeneye, Brent & Nelson Fields Cliff Lovelock, John Marshall, Shell	Upper Jurassic Hareelv Formation in East Greenland – A new play type model of combined source rock and reservoir rock in a basin to slope setting? Morten Bjerager, GEUS, Geological Survey of Denmark and Greenland	Direct effects of the emplacement of basaltic lava onto sand, considering diagenesis of potential intra- and sub-lava petroleum reservoirs Clayton Grove, OMV UK	The Wingate Gas Field (UK): phased development of Westphalian reservoirs Richard Huis in 't Veld, Wintershall Noordzee
15.30	Cygnus Field – core examples from the Permian Lower Leman Formation and Carboniferous Ketch Formation reservoirs Samantha Taggart & Ross Catto, GDF SUEZ E&P UK	An assessment of the Upper Succession and the related secondary reservoirs in the Welton field, Onshore UK James Steventon, IGas Energy	The Shearwater field – past learnings and future challenges from a geologically complex and pressure depleted HPHT field David Jones, Shell	The identification of injectites within Eocene sediments, UKCS block 28/9 (Catcher and Bonnewille) Robert Leppard, Leppard Sedimentology	Outer Moray Firth Turbidite Systems: The bigger picture at core scale Alex Gillespie, Nexen
16.00	Upper Jurassic Hareelv Formation in East Greenland – A new play type model of combined source rock and reservoir rock in a basin to slope setting? Morten Bjerager, GEUS, Geological Survey of Denmark and Greenland	Direct effects of the emplacement of basaltic lava onto sand, considering diagenesis of potential intra- and sub-lava petroleum reservoirs Clayton Grove, OMV UK	The Wingate Gas Field (UK): phased development of Westphalian reservoirs Richard Huis in 't Veld, Wintershall Noordzee	The identification of injectites within Eocene sediments, UKCS block 28/9 (Catcher and Bonnewille) Robert Leppard, Leppard Sedimentology	Outer Moray Firth Turbidite Systems: The bigger picture at core scale Alex Gillespie, Nexen

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17.00	Refreshments, networking, poster and core viewing				
17.30	Welcome to the conference Chair: Hamish Wilson, PESGB Fleming room				
17.30	Keynote plenary: Making the case for new exploration in the North Sea Glen Cayley, Shell UK				
17.50	Keynote plenary: North Sea - Key plays and fairways John Underhill, Heriot-Watt University				
18.30	Closing remarks from the chair				
18.40	Welcome reception and poster viewing Sponsored by ERC Equipoise Britten room				

29 September 2015			
08.30	Registration, refreshments, networking, poster and core viewing		
09.00	Welcome Co-chairs: Mike Bowman, Texas A&M, Qatar and Bruce Levell, Oxford University Fleming room		
09.10	Keynote plenary: Past and future value creation in petroleum geology Hans Christen Rønnevik, Lundin Norway A/S		
09.50	Delegates to make their way to the relevant oral session rooms		
10.00	Key geoscience challenges Co-Chairs: Matthew Allen, Dana Petroleum and Tom McKie, Shell Session sponsored by Dana Petroleum Fleming room	Key fields and fairways Co-Chairs: Clive Johns, GDF SUEZ and Kitty Hall, Petroleum Group Session sponsored by GDF SUEZ E&P UK Ltd Mountbatten room	New plays Co-Chairs: Eugene Iwaniw, Robertson-CGG and Nick Kusznr, University of Liverpool Whittle room
10.00	Keynote: The challenge of unbiased and calibrated application of risk analysis towards future profitable exploration Gary Citron, Rose and Associates	Keynote: The Norwegian continental shelf – still an attractive exploration province Sissel Eriksen, NPD	Keynote: An integrated geoscience approach to identify and de-risk new and emerging exploration opportunities in a frontier area: The Barents Sea Carl Watkins, CGG
10.25	Syn-rift exploration challenges in the northern North Sea Christopher Jackson, Imperial College	The East Shetland Platform – a multidisciplinary approach to heavy oil exploration Adam Pugh, Statoil UK	Ocean-continent-transition structure of the conjugate Ireland and Newfoundland rifted margins Nick Kusznr, University of Liverpool
10.50	Refreshments, networking, poster and core viewing Sponsored by PGS		
11.10	A sand injectite stratigraphy for the North Sea: implications for petroleum exploration Mads Huuse, University of Manchester	Revised Cretaceous tectono-stratigraphic framework for the Danish Central Graben, the chalk plays revisited Frans van Buchem, Maersk	Proven and possible Palaeozoic hydrocarbon plays in the northern North Sea Jon Halvard Pedersen, Lundin Norway AS
11.35	Intrusive and extrusive sequences and their interactions with hydrocarbon systems – a key geoscience challenge? Nick Schofield, Aberdeen University	A new approach to appraising the resource potential of the Carboniferous in the Sole Pit Basin of the SNS Stephan Bergbauer, BP	Exploring the unexplored: accessing deep geology through seabed outcrops and shallow cores Nils Rune Sandstå, NPD
12.00	Predicting sub-seismic fracture density, orientation and conductivity in the Gorm Field, Danish North Sea David Quinn, Badley's	New opportunities on the northern feather-edge play of the Silverpit Basin: sedimentology and facies distribution of the Permian Lower Leman and Carboniferous Ketch Formations, Cygnus field, southern North Sea Samantha Taggart, GDF SUEZ	New plays in a mature basin: A review of the Lower Carboniferous on the southern margin of the Mid-North Sea High Tiffany Parsons, Centrica Energy E&P
12.25	Lunch, networking, poster and core viewing		

13.40	Imaging challenges in mature fields Co-chairs: Walter Rietveld, BP and Jim Munns, GDF SUEZ E&P (UK) Session sponsored by Wintershall Whittle room	Infrastructure lead opportunities Co-Chairs: Eva Halland, NPD and Nick Richardson, OGA Mountbatten room	Petroleum systems and fairways Co-Chairs: Bruce Levell, Oxford University and Gunther Newcombe, OGA Fleming room
13.40	Keynote: A History of Seismic Imaging in the North Sea Craig J Beasley, Schlumberger	Keynote: Infrastructure Led Exploration – why? Jez Averty, Statoil	Keynote: New insights into fine grained rocks and their implications for basin analysis Andy Aplin, Durham University
14.05	Clair life of field seismic surveillance - a new chapter Mel Ball, BP	Near field exploration; riding the last wave Lex de Groot, GDF SUEZ	The new mechanics of source rock understanding Andrew Bishop, Shell
14.30	Discovering exploration potential in a mature licence, offshore The Netherlands Frank van den Bos, Wintershall	The diary of a seismic survey: going around in circles in the Southern North Sea Nick Hall, Hansa Hydrocarbons	Petroleum systems of the North Sea oil province Chris Cornford, IGI
14.55	Refreshments, networking, poster and core viewing Sponsored by PGS		
15.30	Unlocking 4D seismic technology to maximize recovery from the pre-salt Rotliegend gas fields of the southern North Sea Matthieu Darnet, NAM	Beyond Laggan-Tormore – Maximising Economic Recovery from Gas Infrastructure West of Shetland Pascal Noel, Total	Basin and petroleum system models of the German North Sea Rudiger Lutz, BGR
15.55	Re-saturation targets identified from 4D seismic softening responses in the Forties Field Lyndsay Singer, Apache	The Lancaster discovery – progress in opening the UK's fractured basement play Robert Trice, Hurricane Energy	Detailed field-based studies of hydrodynamics – examples from the North Sea Dr Sam Green, Ikon Science
16.20	Delegates to make their way to the plenary – Fleming Room		
16.30	Chair: Oonagh Werngren, Oil and Gas UK Keynote plenary: Exploration well failures from the North Sea Christian Mathieu, DECC-OGA Fleming room		
17.00	Poster Session Sponsored by Statoil Britten room		
18.10	Transport from QEII to Dinner venue		
19.00	Drinks Reception at The Brewery Sponsored by Lundin Norway		
19.30	Dinner at The Brewery Speaker: Charles Hendry, Former Energy Minister Sponsored by Maersk Oil		

30 September 2015

08.30	Registration, refreshments, networking, poster and core viewing		
09.00	Welcome Co-chairs: Mike Bowman, Texas A&M, Qatar and Bruce Levell, Oxford University Fleming room		
09.00	Keynote plenary: UK Exploration Task Force Oonagh Werngren, Oil and Gas UK		
09.25	Delegates to make their way to the relevant breakout session rooms		
09.30	Technology Co-Chairs: Andy Leonard, Oil and Gas UK and Mike Stephenson, BGS Whittle room	Late field life Co-Chairs: Cliff Lovelock and Glen Cayley, Shell UK Mountbatten room	Recent successes and failures Co-Chairs: Mike Bowman, Texas A&M, Qatar and Bruce Levell, Oxford University Fleming room
09:35	Keynote: Learning more from current investments and unlocking new potential in the face of industry headwinds Alan Loudon, Baker Hughes	Keynote: UK central North Sea late field life and field re-development enabled by sustained asset stewardship Richard Hinkley, Chevron	Keynote: New exploration discoveries in a mature basin: offshore Denmark Graham Goffey, PA Resources
10.00	Old challenges, new developments and new plays in Irish offshore exploration Pat Shannon, Irish Offshore Operators' Association IOOA	Impact of deepwater channel architecture on reservoir connectivity and performance: Forties Sandstone of the Huntington Field, UK Central North Sea Chris Edwards, ERC Equipoise	The Bacchus Development: dealing with geological uncertainty in a small HPHT development Philip Rose, Apache North
10.25	Applications of digital rocks technology across the field lifecycle Joanne Fredrich, BP	The Beryl Field Area: increasing production in a mature asset Jeffery Pyle, Apache	Petroleum geology of the Cygnus Gas Field, Blocks 44/11 and 44/12, UK North Sea Ross Catto, GDF SUEZ
10.50	Refreshments, networking, poster and core viewing Sponsored by Centrica		
11.10	The influence of volcanic rocks on the characterisation of Rosebank Field –new insights from ocean-bottom seismic data and geological analogues integrated through interpretation and modelling Louise Duncan, Chevron	Aviat: shallow gas hazard to fuel gas supply for forties Phillip Rose, Apache	The edges of the wedges: a systematic approach to trap definition and risking for stratigraphic, combination and sub-unconformity traps Eleanor Stirling, BP
11.35	Efficient regional scale exploration using Towed Streamer EM Jonathan Midgley, PGS	The Penguins re-development project – recognising the full potential of a field initially developed in a low oil price world Lucy Ritchie, Shell	New thinking in old fairways – lessons from the Vorlich Field discovery Robert Reglinski, BP
12.00	Spectral decomposition: an aid in characterising field architecture, Faroe-Shetland Basin Kirstie Wright, DONG Energy	Draugen: world-class 4D seismic data – with new Geostreamer monitor Ingrid Kullberg, Norske Shell	Rhyl field, a new discovery in a mature basin by combining Geological Principles with advanced Seismic Imaging in the Irish Sea Gavin Ward, RISC Advisory

12.25	Lunch, networking, poster and core viewing		
13.40	Key geoscience challenges Co-Chairs: Tom McKie, Shell and Matthew Allen, Dana Petroleum Whittle room	Atlantic margin and beyond Co-Chairs: Steve Jenkins, Circle Oil and Jon Parry, DONG Energy Session sponsored by DONG Energy Fleming room	Onshore Co-Chairs: Jen Brzozowska, OGA and Rebecca Wiles, BP Mountbatten room
13.40	Future directions in reservoir modelling Mark Bentley, AGR TRACS	Exploration challenges along the North Atlantic Volcanic Margins – Intra-basaltic sandstone play in subsurface and outcrop Michael Larsen, DONG Energy	Keynote: shale prospectivity onshore Great Britain Toni Harvey, OGA
14.05	The Shearwater field - past learnings and future challenges from a geologically complex and pressure depleted HPHT field. David Jones, Shell	Vertical motions of North Atlantic passive margins controlled by the Iceland Mantle Plume Nicholas White, Cambridge University	The application of elemental geochemistry to UK shale gas plays David Riley, Chemostrat
14.30	The Knarr field – a step beyond the Brent Silje Skarpeid, BG Group	Cretaceous clastic plays in the Irish offshore – a sequence stratigraphic and palinspastic approach to predicting plays and reducing risk Sarah Laird, Neflex	An assessment of the Upper Succession and the related secondary reservoirs in the Welton field, onshore UK James Steventon, Igas Energy
14.55	Refreshments, networking, poster and core viewing Sponsored by Centrica		
15.30	Making Jackdaw Fly – the evolving geoscience challenges of an ultra-HPHT field development Andrew Hall, BG Group	Petroleum geology of the frontier Arctic: from plate tectonics to prospectivity Bjorn Torudbakken, Statoil	JARR: Integrating climate models, high resolution stratigraphic data and structural geology to identify “sweet spots” in UK shale gas basins Jonathan Imber, Durham University
15.55	Goldeneye – Tomorrow Never Dies (or A field Only Lives Twice) John Marshall, Shell	Western Barents Sea: geological interpretation, petroleum system and play analyses based on high quality broadband seismic data Olga Shtukert, Schlumberger	North Yorkshire’s Sleeping Giant Fred Hughes, Third Energy
16.20	Delegates to make their way to the plenary – Fleming room		
16.30	Keynote plenary: Looking to the Future Co-chairs: Bruce Levell, Oxford University and Mike Bowman, Texas A&M, Qatar Fleming room		
16:35	Part one: Environmental Future Jon Gluyas, Durham University		
16:55	Part two: Resource Future Gunther Newcombe, OGA		
17.15	Panel discussion: Conference Take-aways Moderator: John Underhill, Heriot-Watt University		

	Panellists: Oonagh Werngren, OGUK, Bruce Levell, Oxford University, Mike Bowman, Texas A&M, Qatar, Hamish Wilson, PESGB, Glen Cayley, Shell UK and Nick Richardson, Oil and Gas Authority
17.50	Best papers: Dave Roberts and Peter Ziegler Awards Session sponsored by BP and Shell
18.00	Closing remarks from the chair and end of conference