Exploration Risk & Play Analysis

Virtual Short Course for EGI Members

This course, to be delivered online over two days in 3.5 hour segments, will cover the essentials of exploration risk and play fairway analysis. It will emphasize integration of data and the importance of a solid regional understanding in risking and resource estimation. It will address exploration risk at basin, play and prospect level, and discuss portfolio aggregation and yet-to-find estimation. There will be time for discussion and, if desired, specific company issues and examples.

Day 1 (3.5 hours)
1. Introduction: probability, risk and uncertainty in the petroleum industry-class discussion
2. Global petroleum resources
Break approx. 30 minutes
3. Megasequences and regional understanding
4. Gross depositional environment (GDE) mapping

Day 2 (3.5 hours)
5. Regional and play risk – common risk segments
6. Prospect risk
Break approx. 30 minutes
7. Yet-to-find, portfolio analysis and basin value
8. Class discussion
Professor Tony Doré OBE PhD DSc

Tony Doré held senior technical and leadership positions with Equinor (Statoil) for 25 years, including VP Exploration Americas (2002–2008) and VP North America (2008–2011). He is currently EGI's Global Chief Scientist, based in London.

Tony has worked petroleum provinces all over the world, with emphasis on NW Europe, the Atlantic margins, the Arctic and the Americas. His achievements include major oil and gas discoveries in Norway, Brazil, Gulf of Mexico and Canada. He has published on stratigraphy, NE Atlantic–Arctic evolution, basement reactivation, basin modelling, passive margin structure, transform margins, hyperextension, exhumed petroleum systems, and exploration risk analysis. He has edited books on basin modelling, resource quantification and passive margins.

Course material

Suggested pre-reading will be sent out before the course. All material presented will be sent out after the two-day session.
Tony Doré, OBE, DSc, PhD
GLOBAL CHIEF SCIENTIST
Senior Advisor to the Director

Recently retired from Equinor (formerly Statoil), Tony Doré obtained his PhD from University College London and joined the petroleum industry in 1977. He has held senior technical and leadership positions with Equinor (Statoil) for 20 years, including VP Exploration Americas (2002–2008) and VP North America (2008–2011), and is currently based in London.

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Tony serves on the advisory boards of several universities and currently holds an Honorary Professorship at Durham University.


Recent Publications


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Research Interests
• Petroleum geology
• Regional geology, particularly of passive margins
• Hyperextended margins
• Basement reactivation
• Cratonic basins
• Petroleum systems of exhumed basins

Business Interests
• Prospect and play generation
• Commercial negotiation in the exploration domain
• Economics
• Future energy supply

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