

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS DISTINGUISHED LECTURER TOUR 2016



Tony Dore'

OBE BSc PhD FGS
Statoil (UK) Ltd

Date: 16 May 2016

Time: 11.30 - 13.00

Venue: Università di Perugia
(Palazzo delle Scienze)
Aula ex biblioteca

North Atlantic Extension and Break-up: Challenges, Controversies and Implications

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The rifts systems bordering the North Atlantic house some of the world's most prolific petroleum systems. Additionally, the region has been a testing ground for rift and continental margin models since the advent of plate tectonics. It contains abandoned and truncated rifts, hyperextended basins, magmatic and magma-poor continental margins and transform margins, many of which have become the global "type areas" for study. In this presentation, a career's experience in North Atlantic exploration will be harnessed to present a proposed sequential structural evolution for the region, on the way examining important concepts including:

- Reactivation of old structures through time, from the "Wilson Cycle" to the smaller scale.
- Fast and slow break-up, magmatic and magma-poor margins – how are they related?
- Hyperextended basins – formation, characteristics and hydrocarbon implications.
- The role of transform margins in North Atlantic development and petroleum geology.

These topics are all areas of uncertainty despite a huge body of research and significant exploration activity. The key controversies will be framed, recent ideas reviewed, answers suggested, and lively debate encouraged!

Biography:

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 Statoil for 20 years, including VP Exploration Americas (2002-2008) and VP North America (2008-2011), and is currently based in London. He has worked petroleum provinces all over the world, with emphasis on NW Europe, the Arctic and the Americas. His achievements include major oil and gas discoveries in Norway, Brazil, Gulf of Mexico and Canada.

Tony has published on stratigraphy, NE Atlantic - Arctic evolution, basement reactivation, basin modeling, passive margin structure, hyperextension, exhumed petroleum systems and exploration risk analysis. He has edited books on basin modeling, resource quantification and passive margins.

Tony serves on the advisory boards of several universities and currently holds an Honorary Professorship at Durham University. His awards include the Petroleum Group Medal (2006), Order of the British Empire (OBE) in 2010 for services to geology, the AAPG Special Award, (2011), and the William Smith Medal of the Geological Society (2015).



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