EAGE Workshop on Petroleum Play Assessment

13-15 February 2012
Málaga, Spain

www.eage.org
About the Workshop

Exploration is becoming increasingly challenging with activities moving to deeper waters and remote areas, keeping success rates up in mature areas, and establishing a competitive edge in unconventional resource plays. Play analysis, play assessment, play fairway and play fairway mapping are all well known concepts in the petroleum industry, and analysis and understanding of the petroleum play is recognized as essential to strategically focused and successful exploration ventures. Many commercial groups offer courses, tools and consultancy and independently solicit methodologies to assist exploration teams in assessing plays.

Whether assessment of plays is used for screening and ranking areas, estimating the Yet-To-Find (YTF) potential of areas, regions and provinces, or assessment of unconventional resource plays, play assessment is the key to distinguishing highly prospective regions from less so. There is, however, little communication and open discussions about actual techniques used highlighting the pros and cons of various approaches. Some play assessment methodologies are purely qualitative and offer delineation and high grading of areas within a play; some methodologies are more or less quantitative and offer, in addition to delineation and high grading, assessment of play risk with or without an assessment of the total resource potential as well as the Yet-To-Find resource potential of the play.

This workshop offers a collection of papers and key notes covering all aspects of play assessment spiced with a variety of case histories from around the world, rounded off with panel discussions for exchange of views. During the workshop we plan to establish a communication and discussion forum to identify common issues and challenges in play assessment engaging with researchers across the industry and academia in identifying key areas of research/development.

Registration is open now – we look forward to welcoming you in Málaga in February!

Registration

Overview registration fees

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<th>Registered and paid</th>
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<td>Until 30/12/2011</td>
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<tr>
<td>Workshop</td>
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<tr>
<td>EAGE member</td>
<td>€ 645</td>
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<td>EAGE student member</td>
<td>€ 295</td>
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<tr>
<td>Non-member</td>
<td>€ 745</td>
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<tr>
<td>Full-time student non-member</td>
<td>€ 345</td>
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<td>Field Trip</td>
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<tr>
<td>EAGE member</td>
<td>€ 595</td>
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<tr>
<td>Non-member</td>
<td>€ 695</td>
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1 To qualify for the reduced registration fee, a copy of your student identification card for a geoscience institute must be submitted together with this registration form.

2 The non-member fee includes EAGE membership for the remainder of 2012.

Please note that the EAGE reserves the right to cancel the workshop or field trip due to low participation. In this case, payment will be refunded in full.

How to register

We recommend to register via the online registration form on the EAGE website (www.eage.org). However, a downloadable registration form is also available on the EAGE website. Please note that off-line registration is subject to an additional charge of € 10.

Venue

NH Málaga
Avenida Río Guadalmedina
s/n. 29007
Málaga, Spain

Accommodation

A lower room rate has been agreed with the NH Málaga Hotel. Please use the Petroleum Play Assessment website to find the hotel booking form for a guaranteed rate (€ 89 for Standard Single room use & buffet breakfast excluding city taxes, € 99 for double use ).
### Technical Programme

#### Monday 13 February

**Lecture Room**

**TECHNIQUES OF PLAY ANALYSIS I**

**09:00**

- A001 - Introduction - R.O. Thomsen* (Dana Gas PJSC) & M. Reeder (Nexen Petroleum UK Ltd)

**09:40**

- A003 - A Key Element of Successful Exploration - R.O. Thomsen* (Dana Gas PJSC)

**10:10**

- A004 - Conditional Frequency Mapping of Move Reservoir Sedimentation Models for Improved Play Assessment - P. J. Rowley (Royal Holloway University of London), D.A. Waltham* (Royal Holloway University of London), P.M. Burgess (Royal Holloway University of London) & S. MacLean (Midland Valley Exploration Ltd)

**10:40**

- Break

**11:10**

- A005 - Predictive Petroleum Play Fairway Mapping Using Plate Tectonic, Palaeogeographic and Palaeo–Earth Systems Modelling - J.P. Harris* (Fugro Robertson Ltd), E. Anderson (Fugro Robertson Ltd), A. Adriasola Munoz (Fugro Robertson Ltd), R. Crossley (Fugro Robertson Ltd), C. Glover (Fugro Robertson Ltd), N. Strocnach (Fugro Robertson Ltd), M. Goodrich (Fugro Robertson Ltd) & P. Valdes (University of Bristol)

**11:40**

- A006 - Business-focused Play Analysis - O. Bruner (Maersk Oil), D.J. Kann (Maersk Oil), M. Nielsen (Maersk Oil) & O. Nykjaer (Maersk Oil)

**12:10**

- A007 - Many Ways to Play a Review of Alternative Approaches to Play Assessment - C.B. Stabell* (GeoKnowledge)

**TECHNIQUES OF PLAY ANALYSIS II**

**14:00**

- A008 - Valuable Dusters – Not an Oxymoron - I.M. Longley* (GIS-pax)

**14:30**


**15:00**

- Break

**15:30**

- A010 - Common Risk Segment Mapping – An Example from the Deepwater Gulf of Mexico Wilcox Formation - S.M. Carlson* (Maersk Oil) & L.L. Faulkenberry (Maersk Oil)

**16:00**

- A011 - Creation and Analysis of Common Risk Segment Maps Using ArcGIS Integrating Global, Regional and Local Data to High-grade Exploration - M. Cowgill* (Fugro-Robertson Ltd), J. Harris (Fugro-Robertson Ltd), S. Otto (Fugro-Robertson Ltd) & D. Williams (Fugro-Robertson Ltd)

**17:00**

- A013 - Panel Discussion On Conventional Play Analysis

#### Tuesday 14 February

**Lecture Room**

**CASE STUDIES**

**09:00**

- B001 - Introduction - Case Studies Conventional

**09:10**

- B002 - Reducing Exploration Risk of a Messinian Play, Nile Delta – A Case Study - R. Zak* (Dana Gas PJSC), M. Hassouba (Dana Gas Egypt), M. Reda (Dana Gas Egypt), M. Sidky (Dana Gas Egypt) & M. Wazery (Dana Gas Egypt)

**09:40**

- B003 - Regional Evaluation of the Kuflf Gas Play Fairway Using a Shared Arabian Plate Earth Model and Petrol 2011 - D. Lodola* (Neftex Petroleum Consultants Ltd), R.J. Martin (Neftex Petroleum Consultants Ltd), D.M. Casev (Neftex Petroleum Consultants Ltd), R.B. Davies (Neftex Petroleum Consultants Ltd), P.R. Sharland (Neftex Petroleum Consultants Ltd) & M.D. Simmons (Neftex Petroleum Consultants Ltd)

#### Wednesday 15 February

**Lecture Room**

**FRONTIER BASINS AND PETROLEUM SYSTEMS ANALYSIS**

**09:00**

- D001 - Introduction – Frontier Play Analysis

**09:40**


**10:10**

- D003 - Integrated Assessment of a Frontier Play Fairway – The North Danmarkshavn Salt Basin - C.B. Stabell* (GeoKnowledge), S. O’Donnell (GeoKnowledge), H.B. Hafstad (GeoKnowledge) & S. Sinding-Larsen (GeoKnowledge)

**10:40**

- D004 - Integrating Basin/Petroleum System Analysis and Play/Prospect Assessment - R. Sinding-Larsen (Norwegian University of Science & Technology)

**11:10**

- Break

**11:40**

- D005 - A Novel Approach to Incorporate Full Petroleum System Analysis into Play Risk Assessments - J. Levy (Schlumberger), T. Levy (Schlumberger), M. Neumaier (Schlumberger) & N. Tessen (Schlumberger)

**12:10**

- D006 - Wrap-up
Field Trip

Title: Exploring an Incised Valley: Exploration Field Work in the Tabernas Basin, SE Spain
Field trip leaders: Mark Reeder (Nexen) & Kick Kleverlaan
Date: 16 February 2012

Through field observations we will attempt to assess the nature of a possible hydrocarbon system and evaluate the field data in terms of: trapping geometries, reservoir/seal pairs, source rock, charge/migration and common risk segments. Come prepared to hike some 4 miles across rugged terrain, carrying your own gear.

Important!
The field trip will have a maximum of 20-25 attendees and is in addition to the Petroleum Play Assessment workshop and therefore subject to a separate fee.
The field trip is in a different location to the workshop and closer to the Almeria airport than Málaga. Participants interested in the field trip should ensure their flights are booked to coincide with this, otherwise own transfer will be required back to Málaga (approx. 2-3 hour drive).

For more information please refer to the Petroleum Play Assessment website.

Schedule

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<th>Date</th>
<th>Activity</th>
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<tr>
<td>Wednesday 15 February</td>
<td>Travel from Málaga to Carboneras. Welcome Dinner.</td>
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<tr>
<td>Thursday 16 February</td>
<td>A day in the field. Local transport, field lunch, dinner in hotel arranged.</td>
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<tr>
<td>Friday 17 February</td>
<td>Travel out from Almeria airport.</td>
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Social Programme

All registered full delegates and registered family members are eligible to attend the Social Programme. It will include the Icebreaker reception on 12 February and the dinner evening on 14 February.

Please refer to the Petroleum Play Assessment website for more information.

Sponsors

EAGE would like to thank the following sponsors for their support:

Contact

For more information or enquiries about this workshop please visit the event's website (www.eage.org) or contact the EAGE Europe Office via eage@eage.org.

We hope to see you in Málaga!