

PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP **PGK**

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Venue:	PGK's monthly meetings are held at the KIVI building, Prinsessegracht 23, Den Haag. Drinks are served from 17:00 hrs; the lecture starts at 18:00hrs.		www.pgknet.nl
Membership:	Apply for membership by contacting the secretariat. The annual fee is €15.-		
Accounts:	Fortis Bank: 88.65.82.733 (PGK, Den Haag)		

NOVEMBER 2010 NEWSLETTER

17th of NOVEMBER:

The next PGK meeting will be on **Wednesday, November, the 17th, 2010.**

17:00-18:00 hrs: Social hour
18:00-19:00 hrs: Lecture by:
Brian P.J. Williams (University of Aberdeen)
Title:

Triassic Basins, N. Atlantic Borderlands - Understanding The Break-up of Pangea in the Search for Oil and Gas

Abstract on separate page

DECEMBER PGK MEETING:

The December meeting takes place on **Wednesday, 8th of December 2010.** Lecture by Dr. Jan de Jager (Vrije Universiteit Amsterdam) en Rien Herber (Geo-Energy) on "Oil and gas in the Netherlands - is there a future?" After the meeting the annual Christmas dinner will take place, for which the venue will be announced in the next newsletter. All paid-up members are welcome to participate, provided you register before November 25th. Registration is possible by sending an email to Wiebe van Driel.

NEW MEMBERS

Applications for membership have been received from Ton Romein (consultant, Almere) and Nina Bonis (Utrecht). If no objections are received prior to or during the next meeting, they will be admitted as member of our society.



PGK WEBSITE:

After five years, the PGK has a new website. The website comes with a fresh layout and additional functionality. You will for example, be able to enroll in excursions and other activities such as the upcoming Christmas dinner directly from the website. The agenda shows upcoming lectures and fieldtrips at a glance. For sponsors there is the ability to post job advertisements that are relevant to the members of the PGK. A list of previous lectures, excursions and newsletters is available as well. The powerpoints of some lectures are downloadable from the website besides photo archives that record past events. Finally, the website will serve as an excellent platform to get in contact with the board members. The new website has been developed by Studio With and is now online. www.pgknet.nl

PGK-EXCURSION DENMARK, 14-17 OCTOBER 2010

Going to Denmark in October? Must be cold, windy and wet. It was not warm and there was some wind indeed, but we did not encounter any rain and the sun was shining for most of the time...perfect whether to explore the Miocene sediments of Jylland.

In eastern Jylland, around the small city of Vejle, many outcrops can be found of Early Miocene age, showing sedimentary features ranging from shallow marine sands to floodplain clays. Those sediments were deposited in a huge delta in Early Miocene times, which was draining the Scandinavian craton. Our excursion leader, Erik Rasmussen from the Danish Geological Survey (GEUS), perfectly explained the depositional setting and made us aware of the variety of sedimentary structures that can be found. In the evenings, the overall picture was again clearly set out; Sean Kelly from Maersk established the link between the delta-sediments we had been studying during the day and the shallow gas found in their depositional equivalents in the Danish offshore area. And, despite some traffic jams on our way back to Utrecht on Sunday, we arrived exactly according to plan; it has been an interesting and enjoyable field-trip!





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Monthly meeting: Wednesday 17th of November 2010
Address: KIVI Building, Prinsessegracht 23, Den Haag

Social hour: Between 17:00 and 18:00 hrs
Lecture: 18:00-19:00

Triassic Basins, N. Atlantic Borderlands - Understanding The Break-up of Pangea in the Search for Oil and Gas

Brian P.J. Williams, School of Geosciences, University of Aberdeen, King's College, Aberdeen AB24 3EU. Scotland

Permian / Triassic rift basins offer important hydrocarbon targets along the Atlantic margins. These relatively lightly explored basins span both the Atlantic and Tethyan realms and developed above a complex basement with inherited Variscan, Caledonian, Grampian and older controlling structural fabrics. They are filled with a complex suite of sediments dominated by continental red beds, comprising braided fluvial, alluvial fan, aeolian, floodplain and lacustrine facies. The poor constraints on their depositional geometries and sedimentary architecture in offshore regions are further impeded by deep burial beneath younger strata, combined with the effects of later tectonism and continental breakup.

This study provides a multidisciplinary analysis of basins along the North Atlantic margin. Regional seismic and well data, combined with geochemical provenance analysis from the European North Atlantic margin are integrated with detailed outcrop studies in Morocco and Canada. The research provides new insights in the regional basin tectonostratigraphic evolution, sediment fill, reservoir distribution, architecture and quality.

Regional seismic mapping suggests a variety of large-scale basin geometries and development including post-orogenic collapse basins, focused narrow rifts and low-magnitude multiple extensional depocentres. Significantly, Permo-Triassic basin geometries are different and more varied than the overlying Jurassic and younger basins. Application of a new Pb K-feldspar provenance technique to Triassic sandstones in NE Atlantic margin basins offer new and robust controls on sediment dispersal patterns in the North Atlantic region.

Analysis of key outcrops of age equivalent Permian-Triassic rifts in Morocco and Canada involved detailed sedimentological logging and LIDAR analysis. The results document the evolving sedimentary architecture and allow the identification and characterization of key marker horizons and sequence boundaries. They provide insights into the interplay of tectonic and climatic influences on sedimentation, which has significant implications for reservoir distribution and quality.

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SYMPOSIUM "FROM VOC TO GOC"

Building a Dutch E&P Industry in 50 Years

50th Anniversary Symposium
SPE Netherlands 1960 - 2010

Date: Thursday 18 November 09:00-16:30

Venue: SS Rotterdam, Rotterdam

In the past 50 years the Dutch have been innovative and influential when it comes to technology advances in the oil and gas industry. Not only on our own ground, but also in expertise that is exported to all parts of the world.

The SPE Netherlands section organizes a symposium on 18 November to address the current and future technologies and innovations. The symposium approach will be a general session to address the main theme of the day, followed by parallel sessions focussing on the impact of Dutch technology and high tech solutions to maximize Dutch production. The symposium will be held at the SS Rotterdam and is a full day event.

For more information and registration go to: <http://netherlands.spe.org/>