

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)		

**PGK WISHES YOU ALL
A HAPPY AND PROSPEROUS YEAR 2010**

JANUARY 2010 NEWSLETTER

20th JANUARY:

The next PGK meeting will be on **Wednesday, January 20th, 2010**. The programme will be as follows:

17:00-18:00 hrs: Social hour

18:00-19:00 hrs: Lecture by Colin Reeves (Earthworks BV)

**“Re-examining the evidence from plate-tectonics for the initiation
of Africa’s passive margins”**

Abstract on next page, also attached: paper by C. Reeves

FEBRUARY PGK MEETING

The January meeting takes place on **Wednesday, February 17th, 2010**. There will be a lecture given on **“Use of academic and industrial seismology to image beneath the basalts on the Faroes volcanic margin”** by Phil Christie (Schlumberger).

NEW MEMBERS

Applications for membership have been received from Silvia Gamarra (Shell International and Production B.V.), Elena Kholina (PanTerra Geoconsultants B.V.), Jennifer Ellis (GDF SUEZ E&P Nederland B.V.), Wenche Asyee (Argo Geological Consultants), Gijs Koolen (MSc Student TU Delft).

If no objections are received prior to or during the next meeting, he/she will be automatically admitted as member of our society.

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Monthly meeting: Wednesday 20 January 2010
Address: KIVi building, Prinsessegracht 23, the Hague
Social hour: Between 17:00 and 18:00 hrs
Lecture: 18:00-19:00

**“Re-examining the evidence from plate-tectonics for the initiation
of Africa’s passive margins”**

**By Colin Reeves
Earthworks BV**

ABSTRACT

Colin Reeves
Earthworks BV, Delft, The Netherlands;
*School of Geosciences, University of the Witwatersrand;
AEON, University of Cape Town, South Africa*

Four hundred million years of stability of the continent of Gondwana ended in Jurassic and Early Cretaceous times and led to the creation of the petroleum-rich passive margins of Africa in the South Atlantic and Indian oceans as well as important internal rift basins. Re-examination of the geometrical constraints to the precise sequence of events in early break-up, within the available evidence of ocean-floor topography and magnetic anomalies, has led to refinements to the plate-tectonic model presented in 2005. Understanding the evolution of the narrow (<1000 km wide) strip of ocean that records the relative movements of Africa and Antarctica - with conjugate margins in Mozambique and Dronning Maud Land - is key to reducing the geometry of Gondwana disruption to a manageable number of unknowns. The early escape of Precambrian South Patagonia from between Mozambique and Antarctica, the growth of igneous material forming submarine plateaus like the Falkland and Agulhas Banks and the late rafting of the Mozambique Rise off the Antarctic plate, coupled with a necessary ridge jump, lead to an elegant solution. The integrity of the whole of East Gondwana until the outbreak of the Kerguelen hotspot and the separation of Greater India from the west coast of Australia and Antarctica is questioned as the introduction of earlier transtensional movement between India and Madagascar leads to animations with smoother, more credible solutions for plate dynamics as well as satisfying the overall need for economy of hypothesis where geological evidence is equivocal or lacking. This holistic, Gondwana-wide dynamic approach is preferred to static reassembly of individual margin pairs at specific times and still delivers countless static images-on-demand as a vehicle for new or additional geological input.

reeves.earth@planet.nl

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SPE LECTURE: Monday January 11th

“The Past and Future of Oil and Gas” (Rembrandt Koppelaar, Peakoil Netherlands)

Abstract:

The lifeblood of our industrial society is oil and gas. Without more oil and gas, economic growth is no longer possible, as alternative sources are currently insignificant in relationship to the 85 million barrels of oil and 8.4 billion cubic metres of natural gas, pumped out of the ground and consumed on a daily basis. The question that confronts us in the first decades of the 21st century is how long the growth boom in oil and gas production can continue. The debate on ‘peak oil’, and ‘peak gas’, the maximum in world production of these fuels, shaped by a peak or an extended plateau, has been ongoing since the 1990s, and increased in significance with the run up in oil prices to 150 dollars per barrel in 2008. Are we facing a fundamental shift in the global economy? In his talk Rembrandt Koppelaar of Peakoil Netherlands will give his view on the future of oil and gas. Covering the following topics:

- 1) The importance of thinking in terms of production capacity instead of only available reserves
- 2) Estimates for European natural gas supply and Russian gas exports
- 3) An outline of the shale gas debate in the United States
- 4) Facts & figures of historic and current oil supply
- 5) Peakoil Netherlands estimates for future oil production based on production category modelling
- 6) The results of a study to be published in January on the effects of an oil production plateau, and a sharp peak on economic growth in Europe, conducted by transport research agency NEA (www.nea.nl) in collaboration with Peakoil Netherlands.

For information check with roos.van-ditzhuijzen@wintershall.com

Entrance payable at the door: SPE members €30, Non-members €35, Students €15.

Please register via the **homepage** of the SPE website (netherlands.spe.org) or reply to roos.van-ditzhuijzen@wintershall.com

Address of venue:

Carlton Ambassador (www.carlton.nl/ambassador)

Sophialaan 2

2514 JP Den Haag

Social Hour 18:00

Presentation 19:00

Dinner 20:00

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CALL FOR PAPERS

In 2012, The Royal Geological and Mining Society of the Netherlands (KNGMG) will celebrate its 100-year anniversary. In the same year, an extensive petroleum-geological mapping project carried out by TNO – *Geological Survey of the Netherlands* - will be finished.

In order to commemorate these events, we decided to coordinate a special issue of the Netherlands Journal of Geosciences, to be printed in 2012. The theme will be:

Exploration Geology of the Netherlands.

Those who are interested in making a contribution to this special issue are kindly asked to contact Henk Kombrink via henk.kombrink@tno.nl

We hope to receive numerous contributions, covering a wide range of topics that demonstrate our ever-increasing knowledge of the geology of the Dutch (sub)surface.

The editors,

Johan ten Veen (TNO)

Mark Geluk (Shell)

Henk Kombrink (TNO)