



PGK

Petroleum Geologische Kring

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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 through the PGK website. The annual fee is €15.-		
Accounts:	ABN/AMRO Bank: 88.65.82.733 (PGK, Den Haag)		

NOVEMBER 2011 NEWSLETTER

16TH OF NOVEMBER:

The next PGK meeting will be on **Wednesday, November 16th, 2011** at the KIVI building, Prinsessegracht 23, Den Haag.

17:00-18:00 hrs: Social hour

18:00-19:00 hrs: Lecture by: Harmen Mijnlief

Palaeotopography-governed sediment distribution - a new predictive model, for the Permian Upper Rotliegend in the Dutch sector of the Southern Permian Basin

Abstract on separate page

DECEMBER PGK MEETING:

The December meeting takes place on **Wednesday, 14th of December 2011**. Lecture by Salomon Kroonenberg on "Why hell smells of sulfur". After the meeting the annual Christmas dinner will take place in restaurant Luden, Plein. The **Christmas dinner** is for paid-up members only. In order to make the reservation, we need to know how many participants there are, so we request that you **register** before the end of November by sending an email to the secretary secretary@pgknet.nl.

NEW MEMBERS

Application for membership has been received from Sanjeev Kumar (Wintershall), Willem van Uijen (Utrecht University). If no objections are received prior to or during the next meeting, they will be admitted as member of our society.

MEMBERSHIP FEE

The membership fee for 2012 is still €15. You can renew your membership by transferring € 15 to the following bank account: 88.65.82.733, PGK, Den Haag

Please make sure to mention your "name" and "PGK fee 2012" in the subject line.



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Program PGK meeting Wednesday 16th of November 2011**Address:** KIVI Building, Prinsessegracht 23, Den Haag**Social hour:** 17:00 - 18:00**Lecture:** 18:00 - 19:00**Palaeotopography-governed sediment distribution - a new predictive model, for the Permian Upper Rotliegend in the Dutch sector of the Southern Permian Basin***Harmen Mijnlief (TNO)***Abstract**

The Southern Permian Basin (SPB) formed a large, elongated saucer-shaped inland depression extending from the UK to Poland and from Belgium to Denmark. During the Middle to early Late Permian the SPB was filled progressively by playa sediments from its centre in north western Germany before it was flooded at the onset of the Zechstein. The Netherlands were situated at the southern part of the saline playa lake. The sediment fill has an onlap configuration upon the underlying Carboniferous and Lower Rotliegend strata. Although regional contour maps suggest a fairly gradual thinning of the Upper Rotliegend interval towards the basin edge, more careful examination reveals that there are prominent steps in thickness and facies. It can be concluded that these steps are defined by steps in the palaeotopography of the basin. These topographic steps are related to pre-Variscan and Variscan structural elements. During deposition of the Upper Rotliegend these large-scale topographic steps defined the location of the main fluvial fairways towards the basin centre, extensive (mud)flat areas, and the relative highs on which the dune fields developed. Next to these large topographic elements relief inversion, differential erosion, and faults caused smaller-scale topographic relief elements. This relief exerted prominent influence on the sediment dispersal patterns and sediment type both laterally and vertically. This holds especially for the basal Rotliegend sandstones and in the pinch-out area near the playa margin.

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