



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 twitter @PGKring
Membership:	Apply for membership through the PGK website. The annual fee is €15.-		
Accounts:	ABN/AMRO Bank: NL14ABNA0886582733 (PGK, Den Haag)		

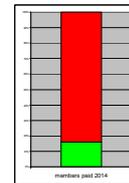
JANUARY 2014 NEWSLETTER

THE PGK BOARD WISH ALL OF YOU A HAPPY AND PROSPEROUS 2014

MEMBERSHIP DUES

Please remember to pay your 2014 membership dues of €15 to the following bank account: NL14ABNA0886582733, PGK, Den Haag. Please make sure to mention your "name" and "PGK fee 2014" in the subject.

At this moment 16% of the members have paid their membership fee for 2014



JANUARY 15TH 2014: PGK MEETING

The next PGK meeting will be on Wednesday, January 15th, 2014 at the KIVI building, Prinsessegracht 23, Den Haag.

17:00-18:00 hrs: Social hour

18:00-19:00 hrs: Lecture by: Harry Doust

Back to the roots: petroleum in rifts

Abstract on separate page

FEBRUARY 19TH, 2014: PGK MEETING AND AGM

The February PGK meeting will be on Wednesday, February 19th at the KIVI building, Prinsessegracht 23, Den Haag. Lecture by Ad van der Spek on "Holocene evolution of the Dutch coast; lessons for present and future coastal maintenance with sand".

The lecture will be preceded by the Annual General Meeting and followed by dinner. Details to be announced in the next newsletter.

EXCURSIONS 2014

Mark your calendars now for the following events:

- PGK Day Trip: Friday 11 April 2014. Theme: "Peat in the Netherlands: geology, production and energy"
- PGK Geo-Gastronomical Field Trip: around the weekend of 10-11 May 2014
- PGK September Field Trip: second half September 2014.



NEW MEMBERS

Applications for membership have been received from Henk Hake (Shell), Tarek Hopman (T&A Survey), Chris de Klerk (Geowulf), Alexander Prent (4D-Geo Structural Geology). If no objections are received prior to or during the next meeting, they will be admitted as member of our society.

PGK BOARD

Excursion Secretary

Since a few years the number of field trips the PGK organizes has increased to three per year (a day trip in early Spring, a geo-gastronomic trip in late Spring and a geological trip in September). This has resulted in a substantial increase in the work load for the excursion secretary. Therefore the PGK board has agreed to change the position of the Excursion Secretary from one to two persons. Each person will be appointed for two years, each time with one year overlap with the successor to ensure continuity. For 2014 Mart Zijp (TNO) will start as Vice Excursion Secretary. The present Excursion Secretary (Geert-Jan Vis, TNO) will stay on for one more year to hand over his duties. At the end of 2014 a new Vice Excursion Secretary will be needed, as Mart will take the lead over excursions then.

Secretary

Lida Maria Soukouli had been found willing to take over the task of PGK secretary. Handover will take place in January.

WEBSITE

The link to our website is www.pgknet.nl. Check there for the latest news on meetings, events, excursions, jobs, membership. If you come across interesting websites that may be of use to other members of the PGK, please send the URL to the web master (gijs.straathof@sgs.com), who will share them on the PGK website.

TWITTER

We are now on Twitter @PGKring. The account shall be used to announce events, send reminders for events and occasionally to re-tweet interesting items. So follow us on twitter!

LINKED-IN

We also have a group on linked-in (called PGK), that our members may join. Any member of the group is free to list subjects there. Requests to the secretary for linked-in contacts will be ignored, as the secretary function does not have a linked-in account.

**PROGRAM PGK MEETING WEDNESDAY JANUARY 15TH, 2014****Address:** KIVI building, Prinsessegracht 23, Den Haag.

17:00 – 18:00 hrs: Social hour

18:00 – 19:00 hrs: lecture by:

Harry Doust**Back to the roots: petroleum in rifts****Abstract**

Why back to roots? Well, simply because most sedimentary basins originate in a period of extensional faulting which results in the formation of rifts. We can talk of this period of active rifting as the rift cycle in basin development, since many basins evolve further into unfaulted postrift sag or subsidence cycles that form passive margins, failed rifts and, sometimes, foreland cycles. This presentation provides an overview of some of the different structural, sedimentary and evolutionary characteristics of rift cycles that relate to petroleum system and play development: I shall summarise some of the main occurrences of source rock, the common reservoir facies and some of the types of trap characteristic of rift sequences.

While not all rift basins are petroliferous, many types represent important oil and gas provinces. In others the impact of the rift period on the prospectivity of later cycles is very strong. In all cases the characteristic sedimentary and tectonic responses to the evolution of rift and post-rift phases make it possible to make the jump from basin cycle to petroleum system development. By definition petroleum systems are dependent on the presence of characteristic active source rocks, together with reservoir and seal rocks, traps and fields and we can recognise patterns of recurring types of petroleum systems, which we may call *petroleum system types*, or PSTs.

In this discussion I will review a number of synrift PSTs and their characteristics in a number of important petroliferous rift basin types, distinguished as follows: (i) Continental rifts developed in tropical climates, (ii) Continental to marine rifts developed in tropical environments, (iii) Continental rifts developed in temperate climates, (iv) Continental to marine rifts developed in arid climates, (v) Deeper marine rifts on continental platforms and margins and (vi) Relatively shallow marine rifts on continental platforms. In all cases I shall emphasise the importance of the climatic context.

After a period during which the exploration headlines have largely come from elsewhere, recent years have seen a definite shift of industry attention back towards exploration of rift sequences – as evidenced by the “pre-salt” plays of the Atlantic margin and the rift basins on the African continent.

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