

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 2008 NEWSLETTER

19 NOVEMBER:

The next PGK meeting will be on **Wednesday, November 19, 2008**. The programme will be as follows:

17:00-18:00 hrs: Social hour
18:00-19:00 hrs: Lecture by Andrea Moscarriello

“The Palaeozoic Glacial Reservoir Headache: a treatment coming from the Pleistocene?”
Abstract on other side

16 NOVEMBER: ONE DAY FIELD TRIP NOVEMBER 16

There are still some places left for the excursion to the city of Amsterdam, please subscribe with excursion coordinator Douwe van Leverink at douwe.vanleverink@tno.nl

20 NOVEMBER: KNGMG SYMPOSIUM

Topic: Climate Change: Facts, Uncertainties and Myths

Time: Thursday November 20th 2008

Place: the Royal Tropical Institute in Amsterdam, Mauritskade 63, Amsterdam

All information can be found at <http://www.kngmg.nl>, where you can also register. The flyer can be downloaded at: <http://www.kiviniira.net/media/Externeactiviteiten/20081120-kngmg-congres.pdf>

DECEMBER MEETING

The December meeting is the annual Christmas meeting and takes place on **Wednesday, December 10, 2008**. This will be a lecture given on “*The Russian Arctic Shelf from the Barents Sea in the west to Alaska in the east.*” by Erik Henriksen en V. Glebovsky. The Christmas dinner will be held at the Greek Restaurant Athene Palace, The Hague.

NEW MEMBERS

Applications for membership have been received from Behrooz Bashokooh (Horizon Energy Partners) and Boris Webber (TNO). 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 19 November 2008
Address: KiVi, The Hague
Social hour: Between 17:00 and 18:00 hrs
Lecture: 18:00-19:00
Title: “The Palaeozoic Glacial Reservoir Headache: a treatment coming from the Pleistocene? ”

By **Andrea Moscariello**

ABSTRACT

Hydrocarbon accumulations in sedimentary sequences consisting of glaciogenic rocks are certainly amongst the most interesting and at the same time challenging clastic reservoirs existing in the subsurface.

Glacial sediments and associated tunnel valleys from the Permo-Carboniferous glaciations form important hydrocarbon reservoirs in the Middle East, and South America, whilst tunnel valleys from the end-Ordovician glaciation form prolific hydrocarbon reservoirs in North Africa and the Middle East. These old glacial reservoirs, including tunnel valleys, are estimated to hold 1% of the World's hydrocarbon reserves, however active exploration in North Africa, Middle East and South America is currently ongoing targeting these reservoirs and hence potentially increase their contribution to global hydrocarbon reserves.

Tunnel valleys from the Pleistocene glaciations are dominant landscape elements in parts of NW Europe and North America where buried tunnel valleys form important, under-exploited valuable groundwater reservoirs. However, indiscriminate land use associated with deep excavations related to gravel exploitations and/or civil engineering works often threat seriously the integrity (natural seals) of these reservoirs whose internal complexity, facies distribution and geometry is often poorly understood.

Efficient exploitation of the groundwater and hydrocarbon resources located within tunnel valleys is thus of significant importance to water companies, oil companies, local governments and society as a whole. However, the sustainable exploitation of tunnel valley resources is currently hampered by a lack of process understanding and predictive capabilities which would allow optimized exploitation approach and long-term strategies. Until now the tunnel valleys from each glaciation have been studied in isolation and no connections have been made between groundwater and hydrocarbon reservoir studies, leaving an enormous potential for cross-disciplinary research.

This talk will present the recent advances in understanding the complex glaciogenic reservoirs achieved in the contest of the GRASP research consortium (Glaciogenic Research Analogue Study Project) providing insight on the sedimentology of glaciogenic reservoirs, spectacular outcrop examples of Palaeozoic glacial deposits and high-resolution seismic data both from Ordovician and Pleistocene glacial systems, thus unraveling the complex internal architecture and reservoir characteristics of such heterogeneous but prolific hydrocarbon reservoirs.

Please post this page on your company's notice board. Members may be accompanied by guests!

Thanks to our sponsors:

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PGK: ONE DAY FIELD TRIP NOVEMBER 16

As everybody knows, there are no geological (hardrock) outcrops in the Western part of the Netherlands. Although this is true for natural outcrops, rocks, minerals and sedimentary structures can still be seen and examined in buildings and pavements.

Therefore the PGK organizes the....

Geological city fieldtrip Amsterdam

Guide: Wim Dubelaar (TNO/Deltares)

Date: Sunday 16 November 2008

Place: Amsterdam

Time: 11.00 – 15.00

Costs: €10,- (including lunch)

Send you registration email to:

douwe.vanleverink@tno.nl

Program

Gathering point will be at Amsterdam Central Station at 11.00 AM. It will be assumed that each participant had breakfast and coffee already. From the Central Station we will walk through the city centre (\pm 2.5 hrs) with Wim Dubelaar who will show and explain us the geological origin and content of the rocks in buildings and streets. After this tour we will have a lunch and drinks at a location which will be announced later.

Don't hesitate to bring a friend or partner who is not a member (same price).

Please register early to be sure of a open spot on the tour and to make reservations easier.

Hope to see you all at the 16th of November!

Best regards,

Douwe van Leverink
PGK excursion coordinator
Tel. 030-2564832

SEDIMENTOLOGICAL CIRCLE: ADHOC EXCURSION NOVEMBER 7

Thanks to Dr. Cecile Baeteman of the Belgische Geologische Dienst (Belgian Geological Survey) the Sedimentological Circle has organised an excursion to a unique archaeological dig site on the Belgian coastal plain. This will be on Friday November 7th, if enough participants have applied. Members of the PGK are welcome to join us on this excursion.

The sedimentary features can be observed in some deep trenches in between Middelkerke and Oostende. The sedimentary features are very large scale bioturbations, pointbar and wetland deposits.

If you would like to participate, please email our excursion coordinator Freek Busschers: freek.busschers@tno.nl. The minimum number of participants is 10. If there are too few participants the excursion will be cancelled and participants informed on november 5th.

The excursion is free of charge, transport is not provided. If you need a lift or have space in your car please send your address and phone numbers along so as we can organise a carpool. Detailed information on the exact location will follow as soon as available.

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VACANCIES AND ANNOUNCEMENTS (FROM OUR SPONSORS)

Petro-Canada is a Canadian oil and gas company with international interests. The company creates value by responsibly developing energy sources and providing world class petroleum products and services. Petro-Canada has exploration and operation activities in Canada, the USA, Trinidad and Tobago, Libya, Syria, Morocco and in North West Europe. In North West Europe we are currently active in The Netherlands where we operate the Hanze and De Ruyter offshore platforms and seven licenses, as well as holding significant equity in several non-operated gas developments and exploration licenses. The company is the largest producer of crude oil in The Netherlands.

We are seeking a:

Geologist

You will be responsible for working on all geological aspects of Petro-Canada's fields and discoveries which will include constructing static geocellular models, together with identifying and evaluating prospects in Petro-Canada's operated Dutch acreage and exploration studies related to the Dutch offshore in general.

We are looking for candidates with a BSc or MSc degree in geology or in a related geoscience with approximately ten to fifteen years of professional experience in exploration and development geology gained in both gas and oil.

Should you be interested in this vacancy, please send your application to Petro-Canada Netherlands B.V., Binckhorstlaan 410, 2516 BL Den Haag, attn. Jacqueline Eijkhout or by mail to Jacqueline.eijkhout@petro-canada.com