



PGK

Petroleum Geologische Kring

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<b>Venue:</b>	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.	<a href="http://www.pgknet.nl">www.pgknet.nl</a> <a href="https://twitter.com/PGKring">twitter @PGKring</a>	
<b>Membership:</b>	Apply for membership through the PGK website. The annual fee is €15.-		
<b>Accounts:</b>	ABN/AMRO Bank: 88.65.82.733 (PGK, Den Haag)		

## JUNE 2013 NEWSLETTER

### **TUESDAY JUNE 18<sup>TH</sup> 2013: ANNUAL BBQ AND MINI-SYMPOSIUM ON ARCTIC DRILLING**

The June meeting will be held at the **Carlton Beach Hotel, Gevers Deynootweg 201, 2586 HZ Scheveningen (map)** - at the end of the boulevard, near Zwarte Pad). This meeting will be organised together with the SPE, and will consist of a BBQ and mini-symposium on arctic drilling.

The program is as follows:

17:00 – 18:00 hrs: Social hour on the beach in front of the hotel

18:00 – 19:00 hrs: Mini-symposium on Arctic drilling, with lectures by:

*Robert Blaauw (Shell)*

**Arctic potential – challenges and opportunities**

*Faiza Oulahsen (Greenpeace)*

**Arctic drilling: not worth the risk**

*Abstracts on a separate page*

19:00 – 21:30 hrs: BBQ

**Registration:** As we have made reservations for a fixed number of people, please register before June 12<sup>th</sup> through this website: <https://spe-pgk-joint-event2013.paydro.net/>. Because costs will be shared between the PGK and SPE we would like you to indicate if you are member of PGK only or both PGK and SPE. Payment will be required through the same website: members pay €35, non-members €40 and students €20.

### **SEPTEMBER 18<sup>TH</sup> 2013: PGK MEETING**

There will be no PGK meeting in July or August. The next PGK meeting after the summer recess will be on Wednesday, September 18th at the KIVI building, Prinsessegracht 23, Den Haag.

17:00-18:00 hrs: Social hour

18:00--19:00 hrs: Lecture by: Bastiaan Jaarsma (EBN) on Dinantian carbonates



## **SEPTEMBER 20 – 22<sup>ND</sup> 2013: EXCURSION TO THE DINANTIAN OF THE ARDENNES**

The September field trip will focus on the Dinantian of the Northwest European Carboniferous Basin (NWECEB). The Dinantian is receiving increasing attention due to several facts. First of all three wells for geothermal energy have been drilled in an under-explored part of the Netherlands, close to the city of Venlo. It came to many people as a surprise that huge karstic horizons were encountered in the Dinantian limestones. These karstic horizons may provide new insight in the palaeogeographic development of the Dinantian limestones and lead to the identification of new prospective areas in the NWECEB. Secondly, several E&P companies and EBN and TNO are currently exploring the distribution of bituminous Dinantian limestones (e.g. Geverik Member) as a source rock for shale gas, in response to promising first results from drillings in the UK.

The field trip will visit the geothermal well site near Venlo on the way to the Ardennes. Evert van de Graaff, an experienced petroleum geologist who was on-site during the drilling of one of the geothermal wells, will accompany us during the trip. He will link the Dutch subsurface situation with the outcrops in the Ardennes. In the Ardennes we are further guided by Edouard Poty, who has gathered great experience in the Dinantian of the Ardennes and knows the best outcrops to visit.

The September field trip will on Wednesday 18 September be preceded by a lecture (in the monthly PGK schedule) by EBN on their research results with respect to the Dinantian in the Netherlands and North Sea.

## **OCTOBER 16<sup>TH</sup> 2013: PGK MEETING**

The October PGK meeting will be on Wednesday, October 16th at the KIVI building, Prinsessegracht 23, Den Haag.

17:00-18:00 hrs: Social hour

18:00--19:00 hrs: Lecture by: Arjen Confurius (Total) on 3D seismic Acquisition.

## **NEW MEMBERS**

Applications for membership have been received from Nynke Hoornveld (EBN), Dustin Marquardt (Shell) and Alexandre Tissier (GDF). If no objections are received prior to or during the next meeting, they will be admitted as member of our society. Membership of 37 members has been suspended because the membership fee had not been paid.

## **WEBSITE**

The link to our website is [www.pgknet.nl](http://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](mailto: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 retweet 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 JOINT PGK / SPE MEETING TUESDAY JUNE 18<sup>TH</sup>, 2013****Address: Carlton Beach Hotel, Gevers Deynootweg 201, 2586 HZ Scheveningen**

17:00 – 18:00 hrs: Social hour on the beach in front of the hotel

18:00 – 19:00 hrs: Mini-symposium on Arctic drilling, with lectures by:

*Robert Blaauw* (Shell)**Arctic potential – challenges and opportunities****Abstract**

Increasingly, the Arctic region is in the global spotlight and exploring for oil & gas in the region even more so. A frequently asked question is; "***Why do we need to explore for Arctic oil and gas reserves?***"

Global energy demand could rise by up to 80%, driven by a rising population and economic growth. We could be facing a gap between energy supply and demand equal to the size of the industry's entire output in 2000. By 2050, renewable energy sources could supply around 30% of the world's energy – up from 14% today, but it takes time to scale these up and fossil fuels are still likely to supply around 65% by that time.

As the world becomes more prosperous, it is placing ever-greater strains on the supply of energy, water and other resources. The world population is growing but the supply of critical resources is not. To meet growing demand, investment in both traditional and renewable energy is vital.

While more energy is needed to meet rising demand globally, easy-to-access supplies of oil and gas are running out. Advanced technology is helping to extract more from existing resources, but the world also needs to tap into new energy sources to fill the gap. The Arctic contains around 14% of the world's undiscovered oil resources and more than a quarter of its gas, according to the International Energy Agency. If developed responsibly, these Arctic resources can help provide energy to sustain global economic growth well into the future.

The governments of the Arctic countries (Russia, United States, Canada, Greenland and Norway) recognize the need for energy security and as a result, are opening up new offshore heartlands for energy exploration and resource development. The journey from licensing offshore blocks to producing oil and gas is a long and costly one. Only those companies with a long term view and capacity and competence to develop such complex and long term frontier projects will be players in this arena.

There has been industrial activity in the Arctic for hundreds of years, and decades of oil and gas development. The issues and challenges of operating in the Arctic are well understood ranging from working with local communities with their centuries old subsistence way of living; avoiding impacts on the sensitive environment; the changing environment as a result of climate change to overcoming the physical environment in terms of sea ice cover and working in extremely cold temperatures, to name just a few.

Developing the Arctic's resource potential comes with great responsibility. Governments (national and local), industry and indigenous peoples must work together to minimize any impact on the unique environment and its inhabitants and manage the risks to ensure safe and responsible development.

Industry and Regulators have set high standards for exploration and resource development but we must continue to set the bar high and further develop technologies to advance our oil-spill response capability in ice, further reduce our operating footprint and impacts, and continually improve the safety of operating in harsh weather.

The presentation by Robert Blaauw will outline the potential of the Arctic and its resources, recognizing the challenges - both technical and non-technical - in operating in these unique and harsh conditions, while describing how Shell, the industry, Governments and the communities can achieve responsible oil and gas resource development for the over 4 million people that live there.



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*Faiza Oulahsen (Greenpeace)*

**Arctic drilling: not worth the risk**

**Abstract**

The Arctic's extreme weather and freezing temperatures, its remote location and the presence of moving sea ice severely increase the risks of oil drilling, complicate logistics and present unparalleled difficulties for any clean-up operation. Its fragile ecosystem is particularly vulnerable to an oil spill and the consequences of an accident would have a profound effect on the environment and local fisheries.

19:00 – 21:30 hrs: BBQ

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