



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.

November 2014 NEWSLETTER

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.

16th November, 2014: Geo city tours around the Netherlands

The Nederlandse Geologische Vereniging (NGV) is organising a series of city tours that might be of interest to members of the PGK. The announcement (and tours) will be in Dutch and will happen on the same day in many different cities.

For more information and registration check the announcement on PGK website.

19th November, 2014: monthly PGK meeting

This month a very interesting lecture will be given by Bart Meijninger (Fugro) on:

"Shallow geology and seafloor morphology: their impact on field development"

Program: 17:00-18:00 PM social hour
18:00 -19:00 PM lecture

Venue: KIVI building, Prinsessegracht 23, 2514 AP, The Hague, The Netherlands.



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17th December, 2014: PGK Christmas dinner

More details will come soon; however, reserve this date in your agenda for our big Christmas event!

16th January, 2015: "Symposium on Economic Geology of Suriname"

Together with the symposium on Economic Geology of Suriname, oil and minerals, there will be a ceremony for the announcement of Van Waterschoot van der Gracht-medal to *Dr. Eddy Jharap*. For more info about the planned agenda and the registration info please check the attached file.

2nd-8th May, 2015: Utah field seminar on Production geology

One of our sponsors, *Panterra Geoconsultants B.V.* organises a field trip in Utah-Colorado.

This field seminar is taught by *Dr. Evert van de Graaff*.

Focus is on developing production geological and reservoir modeling skills based on examination of a wide range of superbly exposed, field-scale reservoir analogues. The format of the field seminar is to examine each of the reservoir analogues from the perspective of how the visible geological features would affect field development options & production geological decision making assuming a variety of recovery mechanisms.

Panterra is pleased to offer attendance of this field seminar to professionals actively engaged in E&P activities and/or subsurface studies.

For more info about participation please contact Ms Anca Vasiliu: a.vasiliu@panterra.nl

New Members

Applications for membership have been received from *Manuel Bussmann* (Vermilion), *Carlos Gran Martinez* (Panterra), *Rodolfo Oliveira* (TU Delft), *Sander de Jong* (Petrochemical Data systems). If no objections are received prior to or during the next meeting, they will be admitted as member of our society.

Also, we encourage our members to become members of our umbrella organisation, **KNGMG**. You can check more info here: <http://www.kngmg.nl>

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!



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Linkedin

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.

Abstract

“Shallow geology and seafloor morphology: their impact on field development”

by Bart Meijninger, Fugro Engineers B.V.

Most of the offshore oil and gas field developments occur in the relative shallow waters of the continental shelves. Well-known past and present geological processes and events have shaped the seabed of the continental shelves and have resulted in potentially adverse conditions, such as buried channels, over-consolidated glacial deposits, cemented sediments, gaseous soils, etc... These geological processes and adverse soil conditions may pose problems for a field development and have to be considered in the design and installation of well conductors, foundations of e.g. jack-ups rigs and production platforms, as well as foundations for subsea facilities and seafloor infrastructures, such as pipelines, flowlines and cables.

In the last two decades, exploration has moved to the deeper water of the continental slopes. The continental slopes prove to be more challenging for a field development because of the large water depths as well as the higher risks posed by geohazards. The geological processes are quite different in the continental slopes than on the shelf (e.g. steeper slopes) and are less well known. Some processes may pose a hazard and could have a significant impact on a field development, due to the scale and magnitude of geological processes and events (e.g. large scale submarine sliding, turbidity current activity, etc.).

Assessment of seafloor and seabed is essential for the identification and risk assessment of potential geohazards and their impact on a field development. Geological studies and geotechnical and geophysical site investigations in the early stages of a development aid in risk assessment, optimum field design, costs saving and prevent potential failure.

This presentation will show some examples of geological hazards (e.g. geohazards) which occur in the foundation zone (upper 100 m of the seabed) on continental shelves and slopes worldwide. In addition, the presentation will explain how these geohazards are approached in ongoing shallow and deepwater developments.

The following companies are warmly thanked for sponsoring the PGK:

Argo Geological Consultants -Baker Hughes Reservoir Software

Chevron Exploration and Production Netherlands

CGG Services - Centrica Energy – Dana Petroleum Netherlands B.V. - dGB Earth Sciences

Dyas – EBN - ENRES International – Fugro - GDF Suez E&P Nederland

Global Pacific & Partners – Hansa Hydrocarbons – NAM – Oranje Nassau Energie

Shell Exploration & Production - Terra Incognita Geoconsultancy and Geobooks

PanTerra Geoconsultants – PGS Geophysical – SGS Horizon

TNO - Total E&P Nederland - Vermilion Energy – Wintershall Noordzee – Xodus Group