

PETROLEUM GEOLOGISCHE KRING

KONINKLIJK NEDERLANDS GEOLOGISCH MINBOUWKUNDIG GENOOTSCHAP



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Venue:	PGK's monthly lectures are held at the KIVl building, Prinsessegracht 23, Den Haag. Drinks are served from 5 PM; the lecture starts at 6 PM.	www.pgknet.nl	
Membership:	Please apply for membership by contacting the secretariat. Annual dues: Fl 30,-		
Accounts:	VSB Bank: 88 65 82 733 (PGK, Haarlem)	Postbank: 4074482 (PGK, Haarlem)	

JUNE NEWSLETTER

SUMMER RECESS

In the months of July and August we will not be coming together for any PGK activities. The June meeting on the 20th is the last activity before the start of the summer. The following meeting will be on 19 September 2001.

JUNE 20TH: MONTHLY MEETING

On 20 June Jaap Breunese, Jan Lutgert and Harmen Mijnlief of NITG-TNO will give a lecture with the title: Predicting future gas production in the Netherlands. The lecture starts at 18:00 hrs. Don't miss our social hour! (17:00 hrs.)

PREDICTING FUTURE GAS PRODUCTION IN THE NETHERLANDS HOW MUCH? WHERE? WHEN? WHAT QUALITY?

TNO-NITG maintains a database of prospective geological structures in the Netherlands. This database is continuously updated. Information from in-house prospectivity studies, publications and exploration studies by the oil and gas industry are combined into a prospect database within a Geographical Information System. This database can now be used as input for a multitude of geoscientific studies and policy-making decisions. This presentation deals with one particular application that is of interest to the Dutch government and gas industry; the prediction of future gas production and gas quality from as yet undiscovered fields.

For the Dutch government an accurate estimate of remaining gas reserves is essential information. Insight into the Dutch reserves situation helps in defining domestic policies in a liberalised European gas market and aids in the development of efficient strategies for future exploration.

Gasunie, the main gas purchasing and distribution company in the Netherlands, is also interested in remaining gas reserves, but on a more technical level. Information on the location of the prospective areas relative to existing infrastructure-, and the prediction of the timing of future production and the gas quality allows them to improve contracts, reduce pipeline ullage and optimise the location and capacity of gas treatment facilities. So the overall question when it comes to reserves embraces much more than just 'How much?', it also includes 'When?-', 'Where?-' and 'What quality?-'.

The first part of our presentation focuses on the prospect database. It shows how GIS technology is used to define and manage hydrocarbon play concepts: the distribution of source rock, reservoir rock and seals. It further addresses some of the practical problems that have to be solved in order to quantify the risks and uncertainties associated with the estimation of hydrocarbon volumes and the prediction of gas quality for individual prospects.

The second part of the presentation deals with the methodology that was applied to simulate the exploration process. It shows how the information in the prospect database is combined with statistical analysis of past exploration efforts and operator statements on future development plans to derive predictions of future gas production and gas quality for specific geographical areas.

And we sincerely hope that you will all participate in the third part of the presentation!

OTHER PGK EVENTS

PGK is preparing a 1-day **excursion** by boat to the **Biesbosch coastal wetlands** on Saturday 13 October. Under the guidance of a few experts both the recent and past geological/sedimentological history will be dealt with. Besides that, this is a unique opportunity to visit this beautiful nature reserve.

Register now! ** EXCURSION CANTABRIAN MOUNTAINS ** Register now!
Cantabria, September 23-30 2001

Last change to register!

Details on the field trip can be found at the PGK web site www.pgknet.nl. Registrations before June 20th: Frank van den Belt (secretary), secretary@pgknet.nl or 071-5226211 (evenings).

OTHER EVENTS

EAGE CONFERENCE AMSTERDAM

11 - 15 June 2001: Amsterdam 2001, 63rd EAGE Conference & Exhibition.

See: www.eage.nl

MEMBERSHIP

Applications for membership have been received by M. Claps (OKIOC), F.Blom (VEBA) and G. Sambet (ElfTotalFina). If no objections have been received by the end of the next meeting they are automatically elected members of PGK.

If you haven't paid the 2001 membership contribution yet, please do so this month. For bank accounts please refer to the header of this newsletter.

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