

# PETROLEUM GEOLOGISCHE KRING

KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP



PGK

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<b>Venue:</b> PGK's monthly lectures are held at the KIVI building, Prinsessegracht 23, Den Haag. Drinks are served from 5 PM; the lecture starts at 6 PM.	<b><a href="http://www.pgknet.nl">www.pgknet.nl</a></b>
<b>Membership:</b> Apply for membership by contacting the secretariat. Euro 15,-	
<b>Accounts:</b> VSB Bank: 88 65 82 733 (PGK, Den Haag)	Postbank: 4074482 (PGK, Den Haag)

## JANUARY NEWSLETTER

### **22 JANUARY: MONTHLY MEETING**

The next PGK meeting will be on Wednesday 22<sup>th</sup> of January. As usual, social hour (free drinks) will be between 17:00 and 18:00 hrs. The lecture will be given by **Mauro Foglietta** (PanTerra Geoconsultants) with the title:

**“Reservoir modelling of a Late Cretaceous Carbonate Platform Margin using a field analogue: The Maiella Mt., Italian Apennines”**

*Please see other side of this newsletter for the lecture abstract.*

### **PGK 25<sup>TH</sup> ANNIVERSARY EVENT**

In 2003 the *Petroleum Geological Circle* (PGK) celebrates its 25<sup>th</sup> anniversary. Since its foundation, our society has grown from a small, local society to a large, healthy and active organisation with nearly 400 members from the national and international E&P and geoscience community.

To make 2003 a memorable year we organize an anniversary program to be held on Wednesday February 19, in the “Hotel des Indes”, Den Haag. It will be opened by the Annual Meeting, which is traditionally held in February, followed by **dinner** and **speeches by J. de Jager (NAM), T. Doré (Statoil), P. Ziegler (U. of Basel)**.

*Please make reservation before February 7, 2003 using form on page 3 of this newsletter.*

*More information is found there and on the website [www.pgknet.nl](http://www.pgknet.nl)*

### **NEW MEMBERS**

Applications for membership have been received from Jaron Lelijveld (Utrecht University), Maarten A.S. Schaapveld (Shell I.E.P.), and Khurshid Ahmed Obaidullah. If no objections are received prior or during the next meeting, they are automatically admitted as members of our society.



**Monthly meeting:** Wednesday 22 January 2003  
**Address:** KIVI building, Prinsessegracht 23, Den Haag  
**Social hour:** (free drinks) between 17:00 and 18:00 hrs  
**Lecture:** at 18:00hrs

## **“Reservoir modelling of a Late Cretaceous Carbonate Platform Margin using a field analogue: The Maiella Mt., Italian Apennines”**

MAURO FOGLIETTA

PanTerra Geoconsultants

The Maiella Mt. (Southern Apennines, Italy) field outcrop, has been used to build a three-dimensional static reservoir model for the Upper Cretaceous facies of the Apulian Platform, a large, isolated, carbonate platform that was especially active during Jurassic and Cretaceous times.

Recent hydrocarbon discoveries in Southern Italy (Tempa Rossa, Monte Alpi-Cerro Falcone) have their reservoir horizons in Apulian Platform carbonates and make this platform one of the most significant exploration plays currently in Europe.

The area provides magnificent and extensive exposures in both horizontal and vertical directions, giving good controls over facies distributions and mutual relationships between them.

The development of an extensional margin during the middle Cretaceous, caused the growth of a rudist-based margin that persisted throughout the Cretaceous. Basinward, a steep escarpment formed between the margin and basin, with a relief of at least 1000 m that was filled, at the end of Cretaceous times, by a thick sequence of slope sediments. Thick initial wedges of Middle Cretaceous megabreccias are succeeded by a more extensive wedge of calcareous turbidites.

The reservoir was modelled using STORM, a stochastic reservoir package supplied by Smedvig Technologies.

Facies distributions, porosity, and permeability were modelled within a representative volume cell 8 km wide, 12 km long and 1.5 km thick.

Three different zones were individually modelled:

- a) Zone 1, representing the Upper Cretaceous prograding slope facies;
- b) Zone 2, representing the marginal, back-reef and lagoonal facies;
- c) Zone 3, representing the Middle Cretaceous talus (megabreccias) deposits.

A scale-up process was performed afterward, in order to import the STORM realisations into a reservoir simulator, and to provide a set of realisations to be used to understand the architecture, distribution and volume of reservoir rock and barriers to fluid flow.

**Please post this page on the board of your office building. New members and guests welcome!**

### *Thanks to our sponsors:*

*Argo Geological Consultants - BP Nederland Energie - Clyde Petroleum Exploratie - DSM Energie - Energie Beheer Nederland - ENRES International - Fugro Inpark - Hogeschool Rotterdam, sectie aardrijkskunde - Nederlandse Aardolie Mij - Oranje Nassau Energie - PanTerra Geoconsultants - Petro-Canada Netherlands - Schlumberger - Shell Nederland - Terra Incognita Geoconsultancy and Geobooks - TNO-NITG - TotalFinaElf E & P Nederland - Unocal Netherlands - Wintershall Noordzee*

*Distribution of this Newsletter was sponsored by: Hays Informatiebeheer B.V.*

# PGK 25<sup>th</sup> Anniversary Event

(Drinks, Diner & Seminar)

“Past and Future of the E&P Industry in the North Sea and Beyond”  
Hotel des Indes, The Hague  
Wednesday February 19, 2003

## **Programme**

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16:30 - 17:15 PGK Annual Meeting (meeting room, first floor)  
17:15 - 18:15 Drinks (mezzanine of hotel)  
18:15 - 22:00 Three-course dinner (dining room) with the following speeches:

Dr. Jan de Jager	NAM, Assen	25 Years of Exploration Success: from Pen and Paper to Workstations
Dr. Tony Doré	Statoil, London	Global Exploration Strategies (provisional title)
Prof. Dr. Peter Ziegler	Univ. of Basel	Crustal Configuration of Western and Central Europe

## **Costs**

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PGK offers you this Anniversary Event, including drinks, dinner and presentations, for EUR 45,- per person. Couples pay a reduced fee of EUR 75,- per couple. Students can attend for EUR 25,-

## **Reservation before February 7, 2003**

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**Please make a reservation for this unique event by returning the reply form below and transfer your payment into one of PGK's accounts at the same time, mentioning "PGK 25th Anniversary Event" and your name.**

## **Information**

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<http://www.pgknet.nl> or e-mail to [secretary@pgknet.nl](mailto:secretary@pgknet.nl)

## **Reply Form**

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### *Return to*

e-mail: [secretary@pgknet.nl](mailto:secretary@pgknet.nl)  
mail: PGK  
p/a Marco van der Meulen  
Stadhoudersplantsoen 2  
2517 JL Den Haag  
070-3424613

## **Registration**

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I/we will attend the PGK 25<sup>th</sup> Anniversary Event on February 19, 2003.

- |  |                      |          |
|--|----------------------|----------|
| <input type="checkbox"/> Single          | Name:                | EUR 45,- |
| <input type="checkbox"/> Couple          | Names:               | EUR 75,- |
| <input type="checkbox"/> Student         | Name:                | EUR 25,- |
| <input type="checkbox"/> I prefer _____* | vegetarian dinner(s) |          |

## **Address**

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Street and number:

Postal code and city:

E-mail

## **New member application**

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- |  |          |
|--|----------|
| <input type="checkbox"/> I am not a member of PGK but apply for membership<br>and pay the 2003 membership dues with this application | EUR 15,- |
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## **Payment**

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- |  |       |      |
|--|-------|------|
| <input type="checkbox"/> Payment to VSB Bank: 88 65 82 733 (PGK, Den Haag) | total | EUR* |
| <input type="checkbox"/> Payment to Postbank: 4074482 (PGK, Den Haag)      | total | EUR* |

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(\* please fill in)