



PGK

Petroleum Geologische Kring

Chairman:	Bas van der Es	070-4476258	chairman@pgknet.nl
Vice-chairman:	Suzanne Castelein	070-3713848	vice-chairman@pgknet.nl
Excursions:	Geert-Jan Vis	088-8662276	geert-jan.vis@tno.nl
Webmaster:	Raik Bachmann	06-53883320	raik.bachmann@sgs.com
Secretary:	Shirley van Heck Luttenbergerweg 74 8105 RV Luttenberg 0572-364914 secretary@pgknet.nl	Treasurer:	Wiebe van Driel Xodus Group Oranjestraat 4 2514 JB Den Haag treasurer@pgknet.nl
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 through the PGK website. The annual fee is €15.-		
Accounts:	ABN/AMRO Bank: 88.65.82.733 (PGK, Den Haag)		

APRIL 2012 NEWSLETTER

18TH OF APRIL

The next PGK meeting will be on **Wednesday, April 18th, 2012** at the KIVI building, Prinsessegracht 23, Den Haag.

17:00-18:00 hrs: Social hour

18:00-19:00 hrs: Lecture by: Josep Anton Muñoz de la Fuente

Structural style changes along the Pyrenees resulting from the inversion of a rift to passive margin system

Abstract on separate page

MAY PGK MEETING:

The May meeting takes place on **Wednesday, 23rd of May 2012**. Lecture by Giovanni Bertotti: **Integrating outcrop data and numerical models for better understanding of fractured reservoirs: ongoing work at TUDelft**

EXCURSION

The geo-gastronomic **fieldtrip to Sicily**, from May 16–19 is fully booked. Please see the website for details.

CORE WORKSHOP

AAPG and KNGMG are organizing a Core Workshop on 9 – 11 May 2012. For details see: <http://aapgkngmg.blogspot.com/2012/02/coreworkshop2012.html#!/2012/02/coreworkshop2012.html>

Please forward the information to anyone who might be interested.

NEW MEMBERS

Application for membership has been received from Lars Hendrik Bellmann (Wintershall), Siebe Breed (Fugro), Rory Dalman (TNO), Dick van Doorn (retired TNO), Vincent van Hoegaerden (Eneco), Colin Howard (Zeehelden geoservices), Sonat Kaya (Schlumberger), Maurizio Mastrolorenzo (Schlumberger), Snezana Stevanovic (Shell). If no objections are received prior to or during the next meeting, they will be admitted as members of our society.



PGK

Petroleum Geologische Kring

Program PGK meeting Wednesday 18th of April 2012

KIVI Building, Prinsessegracht 23, Den Haag

Social hour: 17:00 - 18:00

Lecture: 18:00 - 19:00

Structural style changes along the Pyrenees resulting from the inversion of a rift to passive margin system

Josep Anton Muñoz (Geomodels Research Institute, University of Barcelona)

Abstract

The Pyrenees show significant structural style variations along strike. Such differences occur either across discrete oblique structures or across wide and diffuse areas of oblique faults and related folds. This structural framework resulted from the inherited Early Cretaceous rift system but also from the distribution of the main salt detachment levels before and during the contractional deformation. A major structural change occurs between the central and west-central southern Pyrenees. In the central Pyrenees, the basement thrust sheets form an antiformal stack with a significant structural relief. Southwards, the Mesozoic cover sequence was detached from the Triassic evaporites to form imbricated thrust sheets. On the contrary, in the west-central Pyrenees basement thrust sheets are mostly imbricated, instead of piled one on top of the other, and constitute an imbricate hinterland dipping duplex. Mesozoic cover has not detached from the basement as no Triassic salt exits between both units. This transition coincides with a thrust salient defined by the N-S trending structures of the Ainsa basin. The thrust salient developed by vertical-axis rotation during differential thrust displacement. Further west, in the Basque-Cantabrian Pyrenees major structural style differences were controlled by transverse faults inherited from the segmented rift margin of the Bay of Biscay. The stepped geometry of this rift margin together with the distribution of Triassic salts resulted into the transition from a thin-skinned tectonic style in the Basque-Cantabrian Pyrenees to a thick-skinned style in the Cantabrian Mountains.

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

Thanks to our sponsors:

*| AkzoNobel | Argo Geological Consultants | Chevron Exploration and Production Netherlands |
Centrica Upstream	Dana Petroleum Netherlands B.V.				
dGB Earth Sciences	Dyas	EBN	ENRES International	Fugro	GDF SUEZ E&P Nederland B.V.
Global Pacific & Partners	Hansa Hydrocarbons	JOA Oil & Gas B.V.	NAM		
Oranje-Nassau Energie	PanTerra Geoconsultants	PGS	Schlumberger	SGS Horizon	
Shell Exploration and Production	Terra Incognita Geoconsultancy and Geobooks				
TNO-Geological Survey of the Netherlands	Total E&P Nederland	Wintershall Noordzee	*		