

PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP **PGK**

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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 18:00 hrs.	www.pgknet.nl	
Membership:	Apply for membership by contacting the secretariat. The annual fee is €15.-		
Accounts:	Fortis Bank: 88.65.82.733 (PGK, Den Haag)		

JANUARY 2006 NEWSLETTER

18 JANUARY: MONTHLY MEETING

The upcoming PGK meeting will be on **Wednesday, January 18th, 2006**. As usual, the social hour (free drinks) will be from 17:00 to 18:00 hrs, followed by a lecture given by **Tanja Zegers (ESA)** on:

“Geology of Mars: a view from Europe’s Mars Express”
Please see other side of this newsletter for the lecture abstract.

FEBRUARY MEETING:

On **15 February 2006** the **ANNUAL MEETING** will be held, with the following programme:

- 17:00 – 18:00 hrs:* Social hour (free drinks)
- 18:00 – 18:45 hrs:* Annual meeting.
- 18:45 – 19:30 hrs:* lecture by Colin Howard or Tijmen Jan Moser (Zeehelden Geoservices) with the title: **“Huygens and the Zeehelden - how can seismic imaging affect the wider geoscience community?”**

After the meeting, members are invited to the annual dinner (costs approximately €25,- per person), which will be held in a restaurant (yet unknown) in the vicinity of the KIVI. **Please register before February 12th** with the secretary: secretary@pgknet.nl or ☎ 070-312 4969. More details will be published soon on the PGK website (<http://www.pgknet.nl>) and in the February Newsletter.

NEW MEMBERS:

Applications for memberships have been received from Muhammad Amin (PanTerra Geoconsultants), Moniek Ebisch (PanTerra Geoconsultants) and Tim Sykes (Horizon Energy Partners). If no objections are received prior to or during the next meeting, they are automatically admitted as members of our society.

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Monthly meeting: Wednesday 18 January 2006
Address: KIVI building, Prinsessegracht 23, Den Haag
Social hour: (free drinks) between 17:00 and 18:00 hrs
Lecture: at 18:00hrs

“Geology of Mars: a view from Europe’s Mars Express”

Tanja Zegers - ESA

ABSTRACT

Mars Express has been orbiting Mars since early 2004. Six instruments have been recording remote sensing data from the atmosphere and surface of Mars, providing spectacular new insights. The two surface imaging instruments HRSC (stereo camera) and OMEGA (visible and IR imaging spectrometer) have now covered a considerable part of Mars in high resolution (up to 12 m/pixel). In particular the combination of high resolution image data, digital terrain models based on stereo channels, and hyperspectral data, provide the means to analyse the geometry, geology and composition of the Martian surface. Since June 2005 a new instrument has been added to the Mars Express complement of operational instruments: MARSIS, the subsurface sounding radar instrument. MARSIS observations provide the first ever information on the subsurface of Mars.

In combination the Mars Express instruments make it possible to analyse the Martian geology, including the subsurface. Ongoing geological studies reveal a planet with a complex geological evolution, in which water, and water ice, play a much more important role than previously thought.

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