



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.	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)		

JANUARY 2013 NEWSLETTER

16TH OF JANUARY 2013:

The next PGK meeting will be on Wednesday, January 16th, 2012 at the KIVI building, Prinsessegracht 23, Den Haag.

17:00-18:00 hrs: Social hour

18:00-19:00 hrs: Lecture by: Olaf Schuiling

CO2 sequestration, the natural way

Abstract on separate page

FEBRUARY PGK MEETING:

The February meeting takes place on Wednesday, 20th of February 2013. Lecture by Anne Schulp on "Mosasaurus".

The presentation will be preceded by the Annual General Meeting and followed by dinner. Details to be announced in the next newsletter.

NEW MEMBERS

Applications for membership have been received from Karuna Bhoendie (Staatsoliemij Suriname), Peter Driessen (Shell), Stephen Grugel (Pan Terra), Maria Alexandra Guaipo Sarmiento (TNO), Nico Hardebol (TU Delft), Kathleen Moe Soe Let (Staatsoliemij Suriname), Katalin Petrea (PanTerra), Joanne Price (Resolve Coal). If no objections are received prior to or during the next meeting, they will be admitted as member of our society.

HONG IN THIO MEMORIAL

Many of you knew Hong In Thio. He studied at Utrecht University, worked for Shell and as an independent geological consultant, and was a member of the PGK. Hong died of cancer in April 2011. His children and friends will participate in Roparun, a 2-day relay run from Paris to Rotterdam. This is a charity that aims to improve the quality of life for people with cancer. We appeal to PGK members to support team Hong through a donation or sponsoring or by buying lottery tickets at €2.50 each. For more information see www.teamhong.org or contact Pieter van den Heuvel, tel. 0641609903

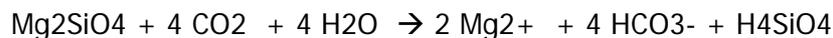


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Program PGK meeting Wednesday January 16th, 2013**Address: KIVI Building, Prinsessegracht 23, Den Haag****Social hour: 17:00 - 18:00****Lecture: 18:00 - 19:00****CO₂ sequestration, the natural way***R.D.Schuiling (Utrecht University)***Abstract**

Chemical weathering (the neutralization of CO₂ by rocks), followed by precipitation of carbonates in the oceans is the main mechanism by which CO₂ is sustainably sequestered. With olivine, the reaction is



In pre-industrial times, this reaction used to balance the CO₂ from degassing of the mantle. The burning in a few hundred years of the fossil fuels that have taken hundreds of millions of years to form has disturbed this balance. The most direct way to restore this balance is to speed up the weathering as well, by mining and milling olivine or serpentinite rocks, and spread the powder over fields, beaches and shallow seas. Although carbon credits are welcome, there are several applications of this approach that can become financially self-supporting. Among these are:

1. Use the weathering of olivine, by which silica is released, to create diatom farms, and use the diatoms for biodiesel production.
2. Extinguish forest fires quickly and efficiently by spraying a serpentine suspension.
3. Reduce the sick-building syndrome of offices and schools by passing the internal atmosphere through an olivine slurry reactor.
4. Make more and greener gas in biodigesters by adding olivine powder.
5. Change nickel mining into nickel farming, by using nickel hyperaccumulator plants that extract nickel from soils on olivine or serpentine rocks.

The weathering of basic rocks has been the mechanism that has kept the CO₂ level of the atmosphere within bounds for the past 4.6 billion years. It is unlikely that it would all of a sudden turn out to be an environmental threat.

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

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WEBSITES

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 (raik.bachmann@sgs.com), who will share them on the PGK website.



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Your role

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- Ensure the proper use and best practices of geophysical methodologies and techniques
- Integrate geophysical interpretations with other disciplines (geology and reservoir)
- Contribute to the estimation of reserves and definition of prospects
- Prepare technical presentations for partner meetings
- Take part in internal approval processes (Netherlands and France)

Is this you?

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- Team player with good communication skills
- Willing to learn and gain experience in an international environment
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Do you have questions? Please contact our Recruitment Coordinator Helene van Zijl at

+31 (0) 70 512 9402.

We look forward meeting you!