

SEG GAC Report 2007
The Netherlands
By Barbara Cox

Name of Region or Country	The Netherlands
Name of Coordinators/Representatives	Barbara Cox
Specific Goals and Accomplishments for the year 2007	Founding a Student section at Delft University Explore possibility for a Student section at Utrecht University Bring Continuous Education to Universities Bring the DISC or DL to one city in my country for 2008
Sections	
	There are no plans to start a SEG Section in The Netherlands. After consulting the SEG members in the Netherlands only 22% of the people were interested in such an SEG section.
Student Sections	
	At this moment an SEG Student Section is founded at the Delft University of Technology. I will explore the possibility of a Student Section at Utrecht University.
Number of members	To be determined
Active leaders	President Bouko Vogelaar Vice-President Daria Tetyukhina Secretary Elmer Ruigrok Treasurer Nihed El Allouche
Student faculty advisors	Prof. Kees Wapenaar
Planned meetings and speakers this year	To be determined
Next year's event schedule	To be determined
SEG Support needed?	To be determined
SEG Sponsorship needed?	To be determined
Circulated info on no costs for Student Sections	To be determined
General Information	
SEG active members candidates for Honors and Awards	-
SEG active members candidates for Leaders for SEG Executive Committee and other committees.	-
Potential Local Universities for SEG Scholarship	<ul style="list-style-type: none"> • Utrecht University Faculty of Geosciences Budapestlaan 4 3584 CD, Utrecht The Netherlands http://www.geo.uu.nl Contact person: Dr. Kabir RoyChowdhury Phone: +31 (0)30 253 5133 Email : kabir@geo.uu.nl • Delft University Department of Geotechnology Mijnbouwstraat 120 2628 RX, Delft The Netherlands http://www.ta.tudelft.nl Contact person: Prof. Wapenaar

	Phone: +31 (0)15 27 82848 E-mail: C.P.A.Wapenaar@citg.tudelft.nl
Potential Local Universities for potential student sections.	See list above
Potential Local Companies that might sponsor SEG	<p>ARGO http://www.argo-geoscience.com Zeist</p> <p>De Groot Brill http://www.dgb-group.com Enschede</p> <p>Fugro http://www.fugro.com Leidschendam</p> <p>Horizon Energy Partners http://www.horizon-ep.com The Hague</p> <p>GeoResources http://www.geo-resources.com Rotterdam</p> <p>NAM http://www.nam.nl Assen</p> <p>Panterra http://www.panterra.nl Leiderdorp</p> <p>Shell http://www.shell.com The Hague</p> <p>TNO-NITG http://www.nitg.tno.nl Utrecht</p>
Newly Emerging Local Companies that might be an exhibitor in the International Showcase	<p>Horizon Energy Partners http://www.horizon-ep.com The Hague</p> <p>GeoResources http://www.geo-resources.com Rotterdam</p> <p>Panterra http://www.panterra.nl Leiderdorp</p>
Geophysical conferences/meetings/symposiums this year	<p>At universities meetings/symposiums are organized at a regular basis: http://www.geo.uu.nl http://www.ta.tudelft.nl</p> <p>The Petroleum Geologische Kring organizes a monthly meeting: http://www.pgknet.nl</p>
Geophysical conferences/meetings/symposiums next year	See above
Membership	
Current SEG members vote on value of their SEG membership (1-5)	4
Annual Meeting	4
Publications	4
Web Site	4
International Conferences	4
Continuing Education Programs	4
How can SEG better serve local geophysicists	<ol style="list-style-type: none"> 1. Make a clearer link with the seismological community 2. More tutorials In Geophysics and TLE and mingle in publishing for University educational purposes. 3. Try to keep summer workshop fees - not attached to the annual meeting - as low as possible, especially for students.

	<ol style="list-style-type: none"> 4. The SEG should endeavor to offer its Continuous Education program through Dutch universities in the same manner as is offered in the U.S.A. and Canada. 5. More focus on Europe and other regions outside the US. Annual meeting should address global exploration problems, current meeting is strongly biased towards Gulf of Mexico problems Foundation is not well known outside US 6. Keep the electronic archives open 7. I would like to see some sort of official charter like engineers have which would declare that one had reached a certain level in geophysics. As far as I am aware I cannot become a Fellow of the SEG. 8. Active local chapters. For example, I am not aware of an SEG-Netherlands chapter organizing monthly meetings, lectures etcetera. It might be there, then the communication (at least for me) is not adequate. It is not there, this might be an idea. 9. Keep focus on the geophysical discipline; do not spend energy in things like intermediary for employment etc. 10. Check on postal rates & times for Europe in the bookstore - and let the charges be in line with the postal rates. 11. More cooperation with the EAGE, as 80% of the SEG members are also a member of the SEG.
<p>How can SEG gain new members</p>	<p>By offering the Continuous Education through universities. This will attract new members (in this case students).</p>
<p>Petroleum, Mining and Near Surface industries</p>	
<p>major players</p>	<ul style="list-style-type: none"> ○ The Netherlands is an oil importing and gas exporting country. The fields are situated offshore in the North Sea and onshore in the northern part of the Netherlands. ○ Mining of coal in the southern part of The Netherlands stopped in the 1960. ○ The near surface industry is quite large and advanced, as The Netherlands is a low-lying country that has to deal with soft soil and water. As a consequence, near surface and water-management related technology is a large export product of The Netherlands.
<p>politics and the government's role</p>	<p>The Netherlands has a prosperous and open economy, which depends heavily on foreign trade. The economy is noted for stable industrial relations, moderate unemployment and inflation, a sizable current account surplus, and an important role as a European transportation hub. Industrial activity is predominantly in food processing, chemicals, petroleum refining, and electrical machinery.</p>

	<p>The Netherlands has a friendly investment climate for international companies. Besides, numerous Dutch companies are multinationals (e.g. Shell). The Dutch government stimulates research and development, and (international) cooperation between companies by providing subsidies.</p>
geophysics as a career	<p>Geology/Geophysics is not well known amongst high-school students, because of absence of visible geology in The Netherlands. Therefore, only a limited amount of people study geology/geophysics, and only about 15 students a year get their degree in geophysics. Nevertheless, the quality of geophysics education is quite good. Utrecht University focuses on seismology and tectonophysics, while Delft University concentrates on Applied Geophysics and Petroleum engineering. Whether or not graduates get a geophysical career in the end, depends much on the condition of the market. E.g. when the oil-business is down, geophysics graduates start a career in Information Technology or Geo – Engineering in near surface companies.</p>
<p>Role of Country Representatives and Regional Coordinators</p>	
How can the SEG/GAC better support you in your SEG role	<p>Provide the country representative with an updated list of SEG members in his/her country on a regular basis. More cooperation with the EAGE</p>

COUNTRY/REGION STATISTICS

Membership

Number of SEG members	195
Active	72
Honorary	2
Emeritus	3
Associate	118
Student	?

SEG members holding office in the last five years	<p>Michael J. A. Burianyk</p> <ul style="list-style-type: none"> • Vice Chairman Global Affairs committee 2007 <p>Barbara E. Cox</p> <ul style="list-style-type: none"> • Country Representative Global Affairs committee 2007 <p>Michael J. A. Burianyk</p> <ul style="list-style-type: none"> • Chairman of the meetings review and planning committee <p>Gerhard Diephuis</p> <ul style="list-style-type: none"> • Member of the Translations committee <p>Kees Wapenaar</p> <ul style="list-style-type: none"> • Assistant Editor Geophysics <p>Deyan Draganov</p> <ul style="list-style-type: none"> • Associate Editor Geophysics <p>Evert Slob</p> <ul style="list-style-type: none"> • Associate Editor Geophysics <p>Eric Verschuur</p> <ul style="list-style-type: none"> • Associate Editor Geophysics <p>Ayon Dey</p> <ul style="list-style-type: none"> • Special Editor Geophysics <p>Xander Campman</p> <ul style="list-style-type: none"> • Special Editor Geophysics <p>Fabian Ernst</p> <ul style="list-style-type: none"> • Special Editor Geophysics
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SEG members receiving a SEG award in the last 10 years	<p>Dr. Eric Verschuur</p> <ul style="list-style-type: none"> • J. Clarence Karcher Award 1997 <p>Gijs J.O. Vermeer</p> <ul style="list-style-type: none"> • Honorable Mention Geophysics 1998 <p>Laboratory of Seismics & Acoustics Delft University</p> <ul style="list-style-type: none"> • Distinguished Achievement Award 2001 <p>Deyan Draganov</p> <ul style="list-style-type: none"> • Best Poster 2003 <p>Robbert van Vossen</p> <ul style="list-style-type: none"> • Award of Merit 2003 <p>Prof. Dr. A.J.Berkhout</p> <ul style="list-style-type: none"> • Maurice Ewing medal 2003 <p>Paul van Riel</p> <ul style="list-style-type: none"> • Cecil Green Enterprise award 2003 <p>Dr. Eric Verschuur</p> <ul style="list-style-type: none"> • Virgil Kauffman Gold Medal Award 2006 <p>Dr. Eric Verschuur and Prof. A.J. Berkhout</p> <ul style="list-style-type: none"> • Best Paper at the Annual Meeting 2005
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Sections

N	N/A
Student Sections	
N	At this moment a Student Section is founded at Delft University of Technology
Name	Delft University of Technology
City	Delft
General	
Top 15 Oil and Service Companies active this country (indicate City)	<p>ARGO http://www.argo-geoscience.com Zeist</p> <p>De Groot Brill http://www.dgb-group.com Enschede</p> <p>Fugro http://www.fugro.com Leidschendam</p> <p>Horizon Energy Partners http://www.horizon-ep.com The Hague</p> <p>GeoResources http://www.geo-resources.com Rotterdam</p> <p>NAM http://www.nam.nl Assen</p> <p>Panterra http://www.panterra.nl Leiderdorp</p> <p>Shell http://www.shell.com The Hague</p> <p>TNO-NITG http://www.nitg.tno.nl Utrecht</p>
Other geophysical societies and number of members (list name and city)	<p>EAGE http://www.eage.nl</p> <p>Acoustical Society of the Netherlands http://www.nag-acoustics.nl</p> <p>Petroleum Geologische Kring http://www.pgknet.nl</p> <p>Koninklijk Nederlands Geologisch Mijnbouwkundig Genootschap http://www.kngmg.nl</p> <p>Dutch Petrophysical Society http://www.tg.mp.tudelft.nl/~dps</p>
Major Universities with geoscience programs(Name and City)	<p>Faculty of Geosciences Budapestlaan 4 3584 CD, Utrecht The Netherlands http://www.geo.uu.nl</p> <ul style="list-style-type: none"> • Delft University Department of Geotechnology Mijnbouwstraat 120 2628 RX, Delft The Netherlands http://www.ta.tudelft.nl • Vrije Universiteit Amsterdam Faculty of Earth and Life sciences De Boelelaan 1085 1081 HV, Amsterdam http://www.falw.vu.nl

Oil/Gas production (Rank in the world)	<p>Oil production: 95,800 bbl/day. Rank 54 Oil consumption: 946,700 bbl/day. Rank 21 Oil export: 1.418 million bbl/day. Rank 13 Oil import: 2.284 million bbl/day. Rank 5</p> <p>Gas production: 85.98 billion cu m. Rank 7 Gas consumption: 51.3 billion cu m. Rank 13 Gas export: 53.56 billion cu m. Rank 7 Gas import: 18.85 billion cu m. Rank 13</p>
Geophysical activity not for oil	<ul style="list-style-type: none"> • Research and monitoring related to seismological activity related to natural earthquakes and production of hydrocarbons. http://www.knmi.nl http://www.nitg.tno.nl • As the Netherlands is a low-lying country with soft soil and a lot of water management issues, there is a lot of activity and expertise in the field of geo-engineering, which is related to civil engineering (e.g. Geomechanics, Engineering Geology, Foundation Engineering, Groundwater Mechanics) http://www.boskalis.nl http://www.vanoord.com etc.
Estimated number of geophysicists graduating per year countrywide	15
Estimated number of geophysicists working in the country	300
Geophysical challenges for country	<ul style="list-style-type: none"> • Mainly related to production of oil and gas: <ul style="list-style-type: none"> ○ Enhanced Oil recovery offshore (mature fields in the North Sea) and onshore (mature Gas fields in Groningen) ○ Advanced Exploration in the North Sea • Natural seismological activity (earthquakes) in the south of the Netherlands. • Seismological activity related to production of hydrocarbons • Problems related to geo-engineering and water management.
Is Web Access readily available for students and/or working geophysicists	yes
Salary range of Geophysicists – 10 years in the field	40.000-100.000 EUR (heavily dependent on the industry the geophysicist is working in, e.g. engineering companies or oil companies)
SEG continuing education programming (in the last five years)	<i>SEG office will provide</i>
Scholarships given to students in the country (in the last 2-3 years)	<i>SEG office will provide</i>
Accepted authors for SEG annual meeting (last 3 years)	<i>SEG office will provide</i>
Conferences sponsored by SEG held in this country (in the last 5 years)	<i>SEG office will provide</i>

