



# IAEG news

Lettre d'information de l'Association Internationale de Géologie de l'Ingénieur et de l'Environnement  
International Association for Engineering Geology and the Environment newsletter

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## President's letter

Dear IAEG members,

The present Executive Committee has started its term in January of the year 2003 and has spent a considerable amount of time on reviewing the main issues and strategy of the IAEG. These were discussed inside the Executive by e-mail and have resulted in the definition of a number of issues of prime importance and proposals for actions which were presented to and endorsed by the Council of IAEG in its meeting on 14<sup>th</sup> September 2003 in Istanbul, Turkey. These issues will be elaborated shortly in the following paragraphs of this letter.

### *Development of IAEG membership*

Present membership worldwide of IAEG is 4,989 in 58 national groups. This means a decrease in membership of 7 % (and a decrease in number of 10% of national groups) since 1999. Partly this is due to a more strict implementation of our statutes and bylaws for national groups who have not paid their fees to IAEG, but there is also a tendency for the IAEG in many countries that there is a lack of joining of younger members.

Executive and Council of IAEG feel that this is for an important part due to the fact that IAEG has not enough to offer to its membership. Apart from reduced subscription rates for the Bulletin members should be offered other useful products for practitioners in order to attract these professionals as IAEG members. Topics identified were :

- a well organized, up-to-date web-site
- regular products of IAEG Commissions and Working Groups

Both issues will be treated in some detail later in this letter

Furthermore special (free of cost) facilities should be created for Engineering Geology students as long as they are at the Universities. IAEG will be in the position to sponsor such activities by National Groups.

### *Internal communication in the IAEG*

New means of communication like the Internet offer splendid opportunities for improvement of the internal contacts in IAEG between the Executive Committee, the National Groups, the Commissions and Working Groups and the individual IAEG members.

If properly arranged through a professional website, this will be of great benefit for the IAEG as a whole and its individual members and will make the IAEG membership more attractive.

The Executive Committee has proposed to establish a **task force "website"**, under the chairmanship of Giorgio Lollino from Italy and make 15 000 Euro available for this website so that implementation will not have to be postponed to the Council Meeting in 2004. This task force will first study the report on this same topic by an ISSMGE task force to allow for maximum possibilities of integration and will report to the Executive Committee and Council. Individual IAEG members who wish to contribute to the work of the task force "web site" with proposal and/or suggestions may contact Giorgio Lollino : [g.lollino@irpi.to.cnr.it](mailto:g.lollino@irpi.to.cnr.it)

### *Core Values of Engineering Geology and IAEG Commissions work*

The Hans Cloos lecture by Sir John Knill<sup>†</sup> in Durban challenged the IAEG to identify core values for engineering geology. The

Executive Committee has chosen to develop this idea and the identification of the core values for engineering geology has become an important agenda item. Notes on the discussion that followed the lecture in Durban produced by Fred Baynes and Mike Rosenbaum will be published in the next edition of the Bulletin.

Fred Baynes was elected to become the Chair of the task force, to be assisted by Lars Persson, Jorge Bejerman and other members of the Executive as requested. This task force is to report at the 2004 Council meeting.

If the core values can be used to determine what the IAEG current aims are, then they can be used to nurture the development of ideas that will lead to the production of knowledge via the IAEG Commissions. For this reason the Executive Committee Meeting decided to ask the same task force to review the workings of the IAEG Technical Commissions and come with a coherent proposal to Executive and Council in 2004. These decisions were presented to the Council Meeting in Istanbul, which endorsed it.

Individual members interested to contribute to work of this **task force of the Core Values discussion and the review of Commission's work** can contact its chairman Fred Baynes : [fredb@iinet.net.au](mailto:fredb@iinet.net.au)

#### *Cooperation with sister societies ISRM and ISSMGE*

One of the main issues discussed at our Istanbul Executive Committee and Council meeting is the need for a closer cooperation between IAEG, ISRM and ISSMGE. The three presidents (Marc Panet of ISRM, William van Impe of ISSMGE, and myself) have met each other twice earlier this year and have come up with the proposal to explore the possibilities for closer cooperation by setting up a Federation for our three Societies.

The main goals of a closer cooperation are :

- to raise the awareness within our own professions of the inevitable and essential interaction among practitioners in rock mechanics, soil mechanics and engineering geology, rather than competition
- to raise the public awareness and profile of the ground engineering profession to clients, to the general public, and to decision makers and politicians
- to better coordinate technical activities in relevant areas by means of joint technical committees
- to coordinate the agenda of scientific meetings, congresses and symposia
- to coordinate efforts to improve and strengthen geotechnical education

- to establish a common professional administrative and financial secretariat supporting the participating associations at reduced total cost

The Councils of the three societies have approved the establishment of a Joint Task Force composed of three members of each of the Societies with as main task to produce within a period of a year a format for the functioning of a Federation. As a point of departure it is understood that each of the societies will retain their identity and autonomy, recognising the mutual benefits for each of them of closer cooperation.

IAEG Council has appointed Paul Marinos (Greece, past president), Lars Persson (Sweden, vice president Europe) and Scott Burns (USA and past president AEG) as members in the Joint Task Force.

As you can see from this letter, the IAEG Executive Committee is actively pursuing some issues of extreme importance for a healthy future of IAEG. May National Groups, Commissions and individual IAEG members participate where they can to ensure the best of success for IAEG in the coming years.

*Niek Rengers, IAEG President*

## Brief report on IAEG council's meeting for 2003 *Compte-rendu sommaire de la réunion 2003 du conseil de l'AI GI*

by/par Michel Deveughèle, IAEG Secretary General / *Secrétaire Général de l'AI GI*

Le comité exécutif et le conseil de l'AI GI se sont réunis à Istanbul (Turquie) les 13 et 14 septembre 2003, à l'occasion du symposium international IMBS' 2003 *Minéraux industriels et pierres de construction*. Huit des onze membres du comité exécutif élu pour la période 2003-2006 étaient présents. Avec 28 délégués présents ou représentés sur les 75 membres du conseil, le quorum de 25% étant dépassé, le conseil a pu valablement délibérer. Un compte rendu complet de la réunion a été communiqué aux groupes nationaux et aux autres membres du conseil. Seuls les points les plus marquants sont présentés ci-après.

### *Approbation des rapports du secrétaire général et du trésorier*

Conformément aux statuts de l'association, le conseil a approuvé :

- le rapport d'activité de secrétaire général (septembre 2002 – août 2003), après qu'une discussion a eu lieu sur la diminution depuis plusieurs années du nombre de membres de l'association (cf. la lettre du président) ;
- le rapport financier 2002 présenté par le trésorier (compte d'exploitation et bilan), qui met en évidence, comme les années précédentes, un excédent de recettes sur les dépenses ainsi que des actifs qui représentent maintenant plus de trois années de dépenses au rythme actuel ;
- le budget prévisionnel 2004, tel qu'il a été établi par le trésorier dans la continuité des années précédentes, étant entendu qu'il devra être ultérieurement révisé pour intégrer les décisions prises par le conseil dans la suite de la réunion.

### *Vice-présidents*

Le conseil avait demandé, en 2002, au nouveau comité exécutif de réfléchir sur deux points relatifs à la composition de ce comité :

- répartition cohérente et stable des groupes nationaux entre les deux vice-présidents pour l'Europe, au lieu de les laisser décider de celle-ci à chaque renouvellement du comité ;
- analyse de la situation de la zone Asie, qui n'est actuellement représentée que par un seul vice président malgré la diversité des régions.

Après en avoir discuté, le comité exécutif s'est finalement prononcé pour le maintien de la situation actuelle, mais le président demande aux membres du conseil qui souhaiteraient néanmoins faire évoluer la situation de lui faire parvenir des propositions écrites.

### *Groupes nationaux*

Après avoir entendu le secrétaire général, le conseil décide de radier à compter du 1<sup>er</sup> janvier 2004 deux groupes nationaux, l'Irlande et Israël, qui n'ont payé aucune cotisation depuis 1999, à moins qu'ils ne régularisent leur situation avant cette date. *Ceci a été le*

The IAEG executive committee and council gathered in Istanbul (Turkey) on 13th and 14th September 2003, on the opportunity of the international symposium IMBS' 2003 *Industrial minerals and building stones*. Eight out of the eleven members of the executive committee elected for the period 2003-2006 were present. With twenty-eight delegates present or represented out of the seventy-five members of the council, the quorum of 25 % being reached, the council could duly deliberate. Complete minutes of the meeting have been sent to national groups and other members of the council. Only the most important points are presented hereafter.

### *Approval of the reports of the secretary general and of the treasurer*

According to the statutes of the association, the council approved :

- the activity report of the secretary general (September 2002 – August 2003) after a discussion on the decrease observed for many years of the number of members of the association (see the letter of the president) ;
- the financial report for 2002 presented by the treasurer (operating account and balance sheet), showing, as previous years, a surplus of receipts compared with expenses and of the assets which now represent more than three years of expenses at the present (rhythm) ;
- budget forecasts for 2004 as established by the treasurer in accordance with what was done previous years, knowing that they will have to be revised in order to take into consideration the decisions taken by the council during this meeting.

### *Vice-presidents*

In 2002, the council asked the new executive committee to think about two points related to the line-up of this committee :

- a coherent and steady distribution of the national groups between both vice-presidents for Europe instead of letting them decide about it on every change of committee ;
- an analysis of the situation of the Asian zone, presently represented by one vice-president only instead of the diversity of the regions.

After a discussion, the executive committee finally decided to maintain the present situation, but the president asks the members of the council to send him written proposals if they wish to have the situation evolved.

### *National groups*

After having listened to the secretary general, the council decides to dismiss from 1<sup>st</sup> January 2004 two national groups, Ireland and Israel, which have not paid any fee since 1999, unless they regularize their situation before this date. *This has been the case for the national group of Ireland which has then not been dismissed.* Nigeria, dismissed in 1998, has presented a request for

cas pour le groupe national d'Irlande qui n'est donc pas radié.

Le Nigeria, radié en 1998, a présenté une demande de réadmission approuvée par le conseil à l'unanimité.

L'AIIGI comptera donc au 1<sup>er</sup> janvier 2004 cinquante huit groupes nationaux.

#### *Commissions et groupes de travail*

L'association a actuellement six commissions en activité. Une septième commission, la commission C4, *Enseignement et formation en géologie de l'ingénieur*, est totalement dormante depuis plusieurs années. Sur proposition du président, le conseil décide de mettre un terme au mandat de son responsable. Le comité exécutif étudiera les moyens de relancer les activités sur ce sujet fondamental, éventuellement dans le cadre d'une commission commune avec les sociétés sœurs.

Une commission, JTC 1, *Landslides and engineered slopes*, et un groupe de travail européen, EJWG, *Professional tasks, responsibilities and cooperation in ground engineering*, communs avec l'ISRM et l'ISSMGE, ont débuté leur activité en 2003 et ont fourni des rapports très appréciés. A l'occasion de l'examen de celui de l'EJWG, l'ouverture vers des préoccupations professionnelles de la part de l'AIIGI, société savante, a fait l'objet d'un échange de vues, duquel il ressort qu'il convient pour notre association d'évoluer dans ce sens mais avec mesure et prudence.

Sur proposition du président et du comité exécutif, le conseil a approuvé la création, pour une durée d'une année, d'un groupe de travail spécial sur les valeurs fondamentales de la géologie de l'ingénieur et le travail des commissions (task force *Core values of engineering geology and the review of commission's work*), dont l'animation a été confiée à Fred Baynes (V.-P. Australasie), assisté de Lars Persson (V.-P. Europe), et qui mobilisera les autres membres du comité exécutif et les responsables des commissions en activité.

#### *Bulletin*

Le bulletin de l'AIIGI, *bulletin of engineering geology and the environment*, édité par Springer, paraît maintenant régulièrement, avec des articles de bonne qualité, mais il n'est toujours pas répertorié dans le *citation index*. Son rédacteur en chef, Brian Hawkins, va diffuser vers nos membres des recommandations pour améliorer la reconnaissance de notre bulletin.

#### *Site internet*

Comme l'a souligné notre président, la communication interne à l'association requiert un site internet performant. Le conseil a approuvé la mise en place, pour une année, d'un groupe de travail spécial, animé par Giorgio Lollino (Italie), pour étudier les meilleures conditions du développement d'un tel site. Le conseil a également décidé la mise à disposition du comité exécutif d'un budget exceptionnel, à hauteur de 15.000 euros maximum, pour amorcer le développement du site dès 2004.

#### *Coopération avec l'ISRM et l'ISSMGE*

Depuis 2002, les présidents et secrétaires généraux des trois associations de géologie de l'ingénieur (AIIGI), de mécanique des roches (ISRM) et de mécanique des sols (ISSMGE), se sont réunis à 3 reprises, pour étudier les

re-intégration unanimement approuvée par le conseil.

The IAEG will then be composed on 1<sup>st</sup> January 2004 of fifty-eight national groups.

#### *Commissions and working groups*

The association has presently six active commissions. A seventh commission, commission C4, *Teaching and training in engineering geology*, is totally in abeyance for many years. Further to a proposal of the president, the council decides to cancel the mandate of its chairman. The executive committee will study the way to re-impulse the activities on this essential topic, probably in the frame of joint commission with sister societies.

A commission, JTC1, *Landslides and engineered slopes*, and a European working group, EJWG, *Professional tasks, responsibilities and cooperation in ground engineering*, common with the ISRM and the ISSMGE, have begun their activity in 2003 and have produced very appreciated reports. During the examination of the one of the EJWG, the opening towards professional cares from the IAEG, learning society, has led to a discussion; the conclusion out of it is the opportunity for our association to evolve in this direction, but slowly and carefully.

Further to the proposal of the president and of the executive committee, the council approves the creation for one year of a special task force on *core values of engineering geology and the review of commissions' work*, which leadership is given to Fred Baynes (vice-president for Australasia), assisted by Lars Persson (vice-president for Europe); this task force will also concern the other members of the executive committee and the persons in charge of active commissions.

#### *Bulletin*

The IAEG bulletin, *Bulletin of engineering geology and the environment*, published by Springer, is now regularly issued, with quality papers, but still it is not listed in the *Citation index*. Its editor-in-chief, Brian Hawkins, is about to send our members some recommendations to improve the reconnaissance of our bulletin.

#### *Web site*

As noticed by our president, the internal communication in the association needs a efficient web site. The council approves the settlement for one year of a special working group, directed by Giorgio Lollino (Italy), in order to study the best possibilities of development for such a site. The council also decides to grant the executive committee an exceptional budget of 15,000 euros maximum, to initiate the development of the site from 2004.

#### *Cooperation with ISRM and ISSMGE*

Since 2002, the presidents and secretaries generals of the three associations in engineering geology (IAEG), rock mechanics (ISRM) and soils mechanics (ISSMGE) have been gathering three times, in order to study the condition of a closer cooperation between them. The main topics dealt with are :

– the necessary harmonization as for the schedules of scientific events organised or sponsored by them ;

conditions d'un coopération plus étroite entre elles. Les principaux sujets abordés concernent :

- la nécessaire concertation au niveau du calendrier des manifestations scientifiques organisées ou parrainées par elles ;
- le développement de commissions ou groupes de travail d'intérêt commun ;
- l'éventualité de la création d'un secrétariat administratif commun aux trois associations ; et
- la formalisation de la coopération entre elles.

Lors de la dernière réunion, à Prague (République tchèque), le 28 août 2003, le président de l'ISSMGE, William Van Impe, a proposé un schéma préliminaire de fédération et les trois présidents ont décidé de proposer à leurs conseils respectifs la création d'un groupe de travail spécial dans lequel chaque association serait représentée par trois membres et dont l'objectif serait de finaliser un projet plus élaboré à soumettre aux conseils en 2004-2005. Après un long débat qui fait apparaître une large diversité d'opinion sur l'opportunité d'une telle fédération, même légère, le conseil approuve la participation de l'AIGI au groupe de travail et la proposition du président de désigner comme membres y représentant l'AIGI, Scott Burns (ancien président de l'AEG), Lars Persson (V.-P. Europe) et Paul Marinos (ancien président). La mission qui leur est confiée est d'explorer ce qui peut être fait dans le domaine de la coopération avec l'ISRM et l'ISSMGE en défendant les intérêts fondamentaux de l'AIGI.

#### *10<sup>e</sup> congrès international de l'AIGI*

Le prochain congrès international de l'AIGI, *Engineering geology for tomorrow's cities*, se déroulera à Nottingham (Royaume-Uni) du 7 au 11 septembre 2006, sur le campus de l'université de Nottingham.

Après avoir entendu le rapport de Martin Culshaw, au nom du comité d'organisation présidé par Mike Rosenbaum, le conseil donne son approbation de principe à un certain nombre de requêtes présentées par ce comité, tout en lui demandant d'affiner ses prévisions de participation.

#### *Médaille Hans-Cloos et prix Richard-Wolters 2004*

Le comité exécutif de l'AIGI a examiné les candidatures qui lui ont été présentées par les groupes nationaux (cinq pour la médaille Hans-Cloos et deux pour le prix Richard-Wolters) et a désigné les vainqueurs à l'issue de votes à bulletin secret. Conformément aux règlements de ces récompenses, les noms des vainqueurs n'ont pas été immédiatement diffusés. Les formalités prévues ayant été réalisées, ils peuvent l'être aujourd'hui :

- Professeur Vincenzo Cotecchia (Italie) pour la médaille Hans Cloos ;
- Docteur Hyeong-Dong Park (Corée) pour le prix Richard Wolters.

#### *Prochaines réunions du comité exécutif et du conseil de l'AIGI*

##### 2004

Florence (Italie), à l'occasion du 32<sup>e</sup> congrès géologique international, *From the mediterranean area toward a global geological renaissance – geology, natural hazards and cultural heritage* (20-28 août 2004)

##### 2005

Lyon (France), à l'occasion du symposium international Géoline 2005, *Géologie et ouvrages*

- the development of commissions or working groups of common interest ;
- the possibility of the creation of an administrative secretariat common to the three associations, and ;
- the formalization of the cooperation between them.

On the last meeting in Prague (Czech Republic) on 28<sup>th</sup> August 2003, the president of the ISSMGE, William Van Impe, submitted a preliminary scheme of a federation and the three presidents decided to submit their own councils the creation of a task force in which each association would be represented by three members ; its objective would be to finalize more elaborated a project to submit to the councils in 2004-2005. After a long debate (showing a wide range of different opinions on the necessity of such a federation, even not constraining), the council approves the participation of the IAEG in the task force and the proposal of the president to nominated as IAEG representing members Scott Burns (past AEG president), Lars Persson (IAEG vice-president for Europe) and Paul Marinos (IAEG past president). Their mission consists in reviewing what can be done in the field of the cooperation with ISRM and ISSMGE, not forgetting the essential interests of the IAEG.

#### *10<sup>th</sup> IAEG international congress*

The next IAEG international congress, *Engineering geology for tomorrow's cities*, will take place in Nottingham (United Kingdom), from 7<sup>th</sup> to 11<sup>th</sup> September 2006, on the campus of the University of Nottingham.

After having heard the report of Martin Culshaw, in the name of the organising committee chaired by Mike Rosenbaum, the council approves a certain number of requests presented by this committee, but asks it to precise its participation forecasts.

#### *Hans-Cloos medal and Richard-Wolters prize for 2004*

The IAEG executive committee has examined the candidatures presented by the national groups (five for Hans-Cloos medal and two for Richard-Wolters prize) and has nominated the awardees after a vote by secret ballot. As indicated in the by-laws of these awards, the names of the awardees have not been immediately announced. As legal formalities have now been done, they can be announced today :

- Professor Vincenzo Cotecchia (Italy) for Hans-Cloos medal ;
- Doctor Hyeong-Dong Park (South Korea) for Richard-Wolters prize

#### *Next IAEG meetings of the executive committee and of the council*

##### 2004

Florence, Italy, on the opportunity of the 32<sup>nd</sup> international geological congress, *From the mediterranean area toward a global geological renaissance – geology, natural hazards and cultural heritage* (20<sup>th</sup>-28<sup>th</sup> August 2004)

##### 2005

Lyon, France, on the opportunity of the international symposium Geoline 2005, *Geology and linear infrastructures* (23<sup>rd</sup>-25<sup>th</sup> May 2005)

*linéaires* (23-25 mai 2005)

**REPORTS OF VICE-PRESIDENTS TO IAEG COUNCIL, ISTANBUL**  
**RAPPORTS DES VICE-PRÉSIDENTS AU CONSEIL DE L'AIGI, ISTANBUL**  
14<sup>th</sup> SEPTEMBER 2003 – 14 SEPTEMBRE 2003

**Report of IAEG vice-president for Africa**

Mr Michel BÉNET (South Africa) – Fax : + 27.31.201.79.20 – mbenet@iafrica.com

The South African National Group is still the only active National Group on the African Continent despite encouraging talks with individuals from Algeria, and Tunisia to change this rather poor situation.

It is my understanding that many of the North African Countries and individuals have ties with France and French Organisations (including the French National Group) and feel more comfortable with these arrangements than a Pan African association. It also relates to language and finan-

cial support being supplied to these countries.

The South African Institute for Engineering and Environmental Geologists (SAIEG) has embarked on a strong drive to rejuvenate the profession at all levels and to ensure that it gets its fair recognition and makes a meaningful contribution to the Built Environmental laws and regulations that are currently under review in the "new " South Africa's political scenario.

Engineering Geology is taught at two

Universities in South Africa and both appear to be experiencing a resurgence in student numbers. Hopefully this is a positive trend that will make up for the large number of Engineering Geologists that have left South Africa over the past 10 years or so.

Personally it is not certain whether I will be able to attend the annual meeting in Istanbul because of work and financial constraints but we will see closer to the time.

Greetings to all IAEG colleagues and keep up the good work.

**Report of IAEG vice-president for Asia**

Dr Hiroshi OHSIMA (Japan) – Fax : + 81.3.3262.6150 – hiroshi\_oshima@kkc.co.jp

**Introduction**

As Former Vice-President Dr. Komoo mentioned in his vice-president report last year, communication amongst the IAEG national groups in Asia appears to be limited, partially due to the lack of an official organization to promote the communication among the eleven national groups.

Regarding this year's annual reports of Asian national groups, only Korea and Japan submitted their reports to the vice-president for Asia by the due date: May 19, 2003. Responding to the e-mails and facsimiles I sent to the rest of the national groups in Asia after the due date, the national groups of Indonesia, Iran and China and the Southeast Asian Geotechnical Society submitted their annual reports. To date, I have not received annual reports from other five countries in Asia.

In Asia, we have held regional symposiums since 1998. Regional symposiums now have become regular scientific meetings for engineering geologists in Asia. In 2004, we will have the fourth regional symposium in Hong Kong, and we have already decided to have the fifth symposium in Katmandu, Nepal in 2006. Through those regional symposiums and related activities, the national groups in the Asian region have gradually established rapport with each other.

Academic activities being planned and conducted by the national groups in Asia are diverse, reflecting the

**China**

Contact Person : Wu Faquan  
Membership : Total 117

**Major Activities (2002-2003)**

- "Forum on Key Engineering Geological Problems in North-western China", Oct. 2002, Xian, China
- Preparation for publication of "Century Achievements on Engineering Geology in China"
- Preparation for Academic Congress on Geotechnics 2003

**Activities Plan (2003-2004)**

A large scale construction has been undertaken in China in the recent decades, research and evaluation for tectonic activity is a common problem for almost all big projects. Chinese national group of the IAEG has already held a series of symposia and forums on the topic. The IAEG national group of China suggests to setup a special group under IAEG for the international cooperation on the research and academic exchange in the field. Professor Peng Jianbin in Chang'an University, China has expressed the willingness to take charge for the job.

**Indonesia**

President : Mr. Untung Sudarsono  
Contact Person : Mr Hermawan  
Membership : members with bulletin :5 – Members without bulletin : 5 (Total : 10)

**Major Activities (2002-2003)**

Several presentation and workshops were managed by the NIAEG scientific committee.

**Activities Plan (2003-2004)**

- Total number of the members: 140 members, 22 of which receive the Bulletin
- The 3rd Iranian Symposium on Engineering Geology and the Environment has been organized which will be held from 2-4 september 2003 in Hamadan, western Iran
- Publication of the proceedings of the symposium

**Japan** (Japan Society of Engineering Geology)

President : Dr. Hiroshi Oshima  
Secretary General : Dr. Hiroyuki Tosaka – Secretary : Mr. Nobuhiro Demboya  
Membership : Members with bulletin : 220 – Members without bulletin :1 (total : 221)

**Major Activities (2002-2003)**

- General Assembly accompanying a technical symposium with a theme "Tendency and prospect of Rock Mass Classification" (Tokyo, May 24, 2002 /187 people)
- An annual study meeting was held in Takamatsu on October 31 and November 1 with 292 participants and 116 technical papers
- The JSEG dispatched the Secre-

various conditions of each member country. I think that a major task of a vice-president for Asia is to strengthen the academic foundation of member groups by promoting mutual understanding among them through regular communication and academic events such as regional symposiums.

#### Major activities

About 30 people from 7 countries from Asia attended the IAEG council meeting for 2002 held at Durban last September.

Since I took over the vice-presidency for Asia this January, I have performed usual tasks as the IAEG vice-president. But, I do not have much to report at this moment.

#### Annual reports from the national groups in the Asian region

By the end of June, 5 out of 11 national groups in the Asian region had submitted their annual reports.

- An annual study meeting in Sapporo on October 16 and 17, 2003
- The Japan Earth and Planetary Science Joint Meeting will be held in Chiba on May 26 to 29, 2003 under cosponsored by JSEG
- Six journals of the JSEG will be published: Volume 44, No.1 to No.6

#### Korea

President : Dr. Kern-Shin Yoon  
Secretary-General : Prof. Hyeong-Dong Park  
Contact Person : Prof. Hyeong-Dong Park

Membership : Members with bulletin : 16 – Members without bulletin : 0 (total : 16)

#### Major Activities (2002-2003)

- Short Courses : Investigation methods with boreholes (Sept. 2002)
- Serial Workshops : Site investigation with coring and in-situ rock test

#### Major Activities (2002-2003)

- Regular meeting twice a year to discuss landslide problem in Indonesia
- Conducted training for mitigating landslide hazard to official of the Regional Government of Central Java
- Joint workshop for minimizing landslide hazards in East Java Province. The workshop was conducted by Regional Government of East Java

#### Activities Plan (2003-2004)

- Continue the regular meeting
- Raising the number of member
- Increasing the people awareness for landslide hazards

#### Iran

(Society of Engineering Geology)  
President : Dr. Jafar Ghayoumain  
Membership : Members with bulletin out of 140 NIAEG members: 22

(Nov. 2002)

- National Conference : 2003 Annual Conference on Engineering Geology (10-11 Apr.2003)
- Publication of The Journal of Engineering Geology (mostly in Korean with English abstracts) ; 4 issues in 2002

#### Activities Plan (2003-2004)

- Short courses & Workshops : during second half of 2003 (topic to be determined)
- National Conference : Fall 2003 and Spring 2004

#### The Southeast Asian Geotechnical Society (SEAGS)

Secretary General : Prof. Dennes T. Bergado  
Membership : Presently there are 260 SEAGS members including 56 IAEG Members in the Southeast Asian Geotechnical Society.

tary General of the Japanese National Group to the IAEG Council's meeting for 2002 on September 15, 2002

- An overseas excursion for the 9th Congress of IAEG at Durban in South Africa was carried out in September 2002 with 15 participants and 9 papers
- A presentation on overseas excursions for South Africa in 2002 was held in Tokyo on May 19, 2003 with 22 participants and 23 papers
- Japan Earth and Planetary Science Joint Meeting was held in Tokyo on May 27 to 31, 2002 under cosponsored by JSEG with 2792 participants and 2015 papers
- Six journals of the JSEG were published: Volume 43, No.1 to No.6

#### Activities Plan (2003-2004)

- General Assembly on May 30, 2003, accompanying a technical symposium with a theme "Review on the Investigation and Evaluation for Underground Environment"

#### Major Activities (2002-2003)

- Symposium on Soil/Ground Improvement and Geosynthetic Applications, 12 to 13 December 2002, Bangkok, Thailand, December 2002
- Fourth Regional Symposium on Infrastructure Development in Civil Engineering (RSID4), 3 to 5 April 2003, Bangkok, Thailand
- Workshop : Geoenvironmental Engineering, Bangkok, Thailand, July 2002
- Workshop : Designing with Geosynthetic, Bangkok, Thailand, December 2002
- The SEAGS Secretariat continued to mail the IAEG, ISSMGE, and ISRM Bulletins and Newsletters
- The tri-annual Geotechnical Engineering Journal and bi-annual SEAGS Newsletters were published and circulated to the members of SEAGS. The printing and distribution of the Journal is in order and on time

**Report of IAEG vice-president for Australasia**  
 Dr Fred BAYNES (Australia) – Fax : + 61.8.93.82.15.64 – fredb@iinet.net.au

**Introduction**

This report has been structured to reflect the developing IAEG agenda and is by Dr Fred Baynes, Regional IAEG Vice President for Australasia.

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**Australasian group**

In the Australasian region a proportion of members of the Australian Ge-

omechanics Society (AGS) and New Zealand Geotechnical Society (NZGS) elect to also be members of IAEG. The Australasian group officials consists of :

**New Zealand Geotechnical Society**

Secretary : Debbie Fellows  
 NZ Geotechnical Society Inc., PO Box 12 241, Wellington, New Zealand  
 Tel : + 64 9 813 0012  
 Fax : + 64 9 813 0014  
 Email : [dfellows@xtra.co.nz](mailto:dfellows@xtra.co.nz)

IAEG representative : Anne Williams  
 Beca Carter Hollings & Ferner Ltd., PO Box 6345, Wellesley St., Auckland, New Zealand

Tel : + 64-9-300 9172  
 Fax : + 64 9 300 9300  
 Email : [awilliams@beca.co.nz](mailto:awilliams@beca.co.nz)

**Australian Geomechanics Society**

Secretary : Val Lee  
 Engineers Australia, 11 National Circuit, BARTON, ACT 2600, Australia  
 Tel : + 61 2 6270 6558  
 Fax : + 61 2 6273 2358  
 Email : [valerie\\_lee@ieaust.org.au](mailto:valerie_lee@ieaust.org.au)

IAEG Representative : Fred Baynes  
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 Tel : + 61 89 381 9498  
 Fax : + 61 89 382 1564  
 Email : fredb@iinet.net.au

**Australasian group membership details**

	June 2002	June 2003	% change
AGS IAEG members without Bulletin	115	160	+39
AGS IAEG members with Bulletin	126	125	-1
<b><u>AGS Total</u></b>	<b>242</b>	<b>286</b>	<b>+18</b>
NZGS IAEG members without Bulletin	54	66	+22
NZGS IAEG members with Bulletin	89	90	+1
<b><u>NZGS Total</u></b>	<b>143</b>	<b>158</b>	<b>+10</b>
<b>Total for region</b>	<b>385</b>	<b>441</b>	<b>+15</b>

A database of general practitioners in the Australasian region has been created in which there are 158 practising engineering geologists. Of these only about 30% are IAEG members through the Australian Geomechanics Society or the New Zealand Geotechnical Society. This figure suggests that the IAEG could attract more practitioners.

**Activities**

**Australia**

– Technical meetings dealing with ground engineering held at seven state centers around the country with typically eight to ten meetings per center per year.

**New Zealand**

– Technical meetings dealing with ground engineering meetings in 5

**Future activities**

- The 9<sup>th</sup> ANZ conference to be held in Auckland, New Zealand, in February 2004
- Geology for engineers training course to be held in Adelaide, Australia in April 2004

**IAEG objectives**

**Bulletin**

One paper was contributed from the Australasian region to the Bulletin during this period.

**Technical Commissions**

Professor Robin Fell of Australia is the chairman of JTC1 - Landslides. It is understood that there were no other contributions from the Australasian area to the work of specific IAEG Commissions.

**Professional practice**

In the Australasian region engineering

and exchanges of views between the regional Vice Presidents.

**Meetings and Communication**

Dr Fred Baynes, attended the International 9th IAEG Congress in Durban when he was elected as Regional V-P. He attended the Council meeting as Australia representative and a subsequent Executive meeting as Regional V-P.

**Net based activities**

The Australasian region is currently using an email list of both practitioners and IAEG members to distribute information.

An AGS website exists : [www.australiangeomechanics.org](http://www.australiangeomechanics.org)

The NZGS web page now includes an employment opportunity section and the contents pages from The NZ Geomechanics News ([www.nzgeotechsoc.org.nz](http://www.nzgeotechsoc.org.nz))

**Awards / Nominations**

branches around the country  
– The 16<sup>th</sup> NZ Geotechnical Society Symposium in Tauranga in March 2003 was attended by over 170 delegates. Workshops on soil and rock description and engineering geology were held in conjunction with the Symposium  
– 2002 Geomechanics Awards was won by Dr Warwick Prebble for his keynote lecture “Hazardous Terrain – An Engineering Geological Perspective”

geologists are concerned about professional registration and information relating to the provision of this facility in Australia has been collected from the Institution of Engineers, the Australian Institution of Mining & Metallurgy, the Australian Institution of Geoscientists and the Geological Society of London.

Relationships to other societies

IAEG forms a fully integrated part of AGS and NZGS with regular meeting

There were no nominations for any IAEG awards from the Australasian region.

Education

Australia – engineering geology forms part of a postgraduate course at University of NSW.

New Zealand – engineering geology is taught as part of first degree courses and postgraduate courses at Auckland and Christchurch.

## Report of IAEG Vice-President for Northern Europe

Dr Lars PERSSON (Sweden) – Fax : + 46.18.17.92.10 – lars.persson@sgu.se –  
persson@uppsala.mail.telia.com

Correspondence has been performed between the Vice-Presidents and the President on different topics, such as communication and information.

The Vice-Presidents of Europe, Lars Persson and Paolo Canuti, met in Florence, Italy April 11<sup>th</sup> together with engineer Giorgio Lollino, IRPI, to discuss how to increase the activities and the information exchange between the National Groups of Europe. A common web site for the European National Groups has been prepared but is under discussion.

Information has been delivered concerning EurEnGeo2004 in Liège, IGC in Florence 2004 and IAEG2006 in Nottingham.

### Czech Republic

President is Prof. Milena Šamalíková, Vice-president Dr. Stanislav Novosad and Secretary Ass. Prof. Jan Rybář. The number of individual members with Bulletin are 16 and without 10.

Two years of preparations for the 1st European Conference on Landslides reached goal in June 2002, when the conference was finally held from June 22 to July 1, 2002 in Prague. The conference covered even excursions to localities in Bohemia, Moravia, and Slovakia. It was organized by the IAEG National Group in co-operation with the National Groups of Slovakia and Austria. 164 engineering geologist, geotechnics and geographers

participated. The majority of people came from Europe, yet a considerable number of overseas specialists took part. Proceedings (published by A. A. Balkema Publishers) cover research work of 234 scientists. Seminars for professionals are regularly organized in Prague and Brno in co-operation with the Czech Association of Engineering Geologists. A publication on Czech building stones is under preparation. The Czech National Group is going to participate in organizing The International Conference DIMENSION STONE, New perspectives for a traditional building material, Prague, June 3-7, 2004". The principal organizer is Faculty of Science, Charles University in Prague : [prikryl@natur.cuni.cz](mailto:prikryl@natur.cuni.cz)

## **Finland**

### **President**

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### **Secretary**

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### **Boards**

The Board of the IAEG national group of Finland during the year 2002 was :

#### **President**

Ms Pirjo Kuula-Väisänen, M.Sc

#### **Secretary**

Mr Mika Räisänen, M.Sc

#### **Vice-president**

Mr Pasi Virtanen, M.Sc

#### **Treasurer**

Mr Risto Niinimäki, M.Sc.

#### **Member**

Ms Ritva Britschgi, M.Sc

#### **Member**

Mr Antti Korte, M. Sc

The Board of the IAEG national group of Finland during the year 2003 is :

#### **President**

Ms Pirjo Kuula-Väisänen, M.Sc

#### **Secretary**

Mr Titta-Miia Kaivola, M.Sc

#### **Vice-president**

Mr Antti Korte, M.Sc

#### **Treasurer**

Mr Risto Niinimäki, M.Sc.

#### **Member**

Ms Ritva Britschgi, M.Sc

#### **Member**

Ms Paula Keto, M. Sc

Note : the amount of women in the board is 4 and the amount of men is 2 !

The number of members at the end of the year was 113, members with Bulletin 5 during the year of 2002.

Two general meetings were organized, in February and in December. In the February meeting new rules for the national group were accepted, the

main purpose of the rule changes was to make easier for students to join the group. In the December meeting a presentation about "The Nordic aggregate meeting in Iceland" was heard.

Co-operation with the Finnish Society of Soil Mechanics and Foundation Engineering continued in the same form as during earlier years. Chairman of the Finnish Society of Engineering Geology was again elected as a member of the board of the Finnish Society of Soil Mechanics and Foundation Engineering.

An excursion was organised in May to a large underground construction site for a coal storage cavern in Helsinki.

A seminar was organised in October in Tampere with four main topics 1. Rock engineering 2. Use of aggregates, 3. Recycled materials in construction and 4. Geology and geotechnics in regional planning". 50 persons participated in the seminar.

The members of the national group have worked in different national and international committees.

### **Plans for 2003 – 2004**

Two general meetings are organised every year, one in March and another in December. In May 2003 an excursion to a construction site is organised (a large partly underground terminal in Helsinki city). During this day two sites with highly contaminated soils are also visited. In October 2003 a national symposium will be held at Tampere University of Technology. In October an excursion and seminar is also planned with the Swedish National Group. During the years of 2003 and 2004 the Finnish National Group is responsible for organising the annual meeting of Rock mechanics in November.

*Four small grants are given to young engineering geologists to international or national symposiums or meetings.*

In September a book, *Geology within environmental activities* (in Finnish), is published by the society. The book will be used as a textbook in universities and polytechnics. Professor Heikki Niini and professor Raimo Uusinoka have edited the book and it contains texts from 29 specialists.

Short abstract :

*"The textbook deals with the importance of geological knowledge and investigations within the different*

*phases and problems of environmental activities. The book begins with a historical review of the utilization of geology by man throughout time. The following chapters comprise the classification of geological resources, the environmental problems caused by natural disasters and hazards as well as the detrimental effects of different human activities. Geological measures are presented to mitigate these injuries and problems; especially in connection with land use and various earth and water construction works. Finally a systematic standardized control of the environment throughout the construction operations is emphasized, including geological advance studies and after-care of the environment."*

The plans for the year 2004 are not ready yet. Web site : [www.rgy.fi](http://www.rgy.fi) (most of the contents in Finnish only).

## **Germany**

(Deutsche Gesellschaft für Geotechnik e.V.)

### **President**

Prof. Dr.-Ing. Helmut Bock

### **Secretary**

Abteilungsleiter Dipl.-Geol. B. Jäger

### **Other members**

Prof. Dr.-Ing. Horst Düllmann  
Dr. Jörg Hanisch

### **Address**

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Fax : + 49.21.51 / 897 505  
e-mail : [bertold.jaeger@gd.nrw.de](mailto:bertold.jaeger@gd.nrw.de)

Since 1970, the German National Group ("Fachsektion Ingenieurgeologie") acts as a joint division of the German Geotechnical Society (DGGT, Essen) and the German Geological Society (DGG, Hannover).

### **Office Holders**

as from 01. Jan. 2001

### **Chairman**

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 bertold.jaeger@gd.nrw.de

Membership numbers

Parent Society	As per 31.12.2002 – Total	Change since previous year – Total
DGGT	480	– 10
DGG	51	+ 2
Total	531	– 8

Activities since August 2002

The Board of the German National Group held three meetings to continue with the implementation of the comprehensive Action Programme, which was set up in early 2001. In 2002/03 the main results were as follows :

Information Platform and Promotion

– Continuous extension of the [www.ingenieurgeologie.de](http://www.ingenieurgeologie.de) website (operational since Dec. 2001) as the main information platform of the Group. The average visits are in the order of 50 visits per day and are steadily increasing.

– Issuing of two News Letters [No. 53 (12 pages) and No. 54 (20 pages)].

– Publication of brochure “*Fascination Engineering Geology*”, printed in 25 000 copies and distributed to the career’s advising departments of all 188 branches of the Federal Employment Office.

Conferences / Symposia

– 14<sup>th</sup> Conference on Engineering Geology, 26 – 29 March, 2003 in Kiel with special exhibition, the main bi-annual event of the national Group. 220 participants and 17 exhibitors enjoyed a splendid conference, which was superbly organised by *Professor Volker Feeser*. With Denmark as official partner nation there was a very successful launch of our “Partner Nation Scheme”. Another innovative feature was the “Forum for Young Engineering Geologists” preceding the conference. The price-winning lecture of the Forum on “Mechanics of gas hydrate formation in marine sediments” was presented as opening lecture to the Conference.

Topics of the Conference : Geotechnics of Quaternary sediments - International projects – Building stones and mineral materials in geotechnical engineering – Damage case studies and standards – dams and dikes – site investigation methods and application. Proceedings (ISBN 3-00-011203-0), 396 pp. with 67 contributions available for 50 € through the DGGT Secretary.

– 1-5 October, 2002 in Würzburg : 1-day engineering geology symposium as part of the Geo-2002 Congress with about 800 participants, one of the central events of the federally declared “*Year of Geo-Sciences*”.

– 15<sup>th</sup> Lake Constance Symposium, 25 – 26 October 2002 in Sigmaringen. Meeting of the Austrian, Swiss and German national IAEG Groups, this time organised by *Dr. Clemens Ruch* from the German national group. World-wide, the oldest international regional symposium of engineering geology. The about 110 participants enjoyed the presentation of a number of outstanding topics and the discussion in an amicable and social atmosphere. Topics : Geotechnics of clayey formations; seismic risks.

– 2<sup>nd</sup> National Symposium on Geotechnical Problems of Abandoned Mines, 7 – 9 November 2002 in Clausthal under the auspices of Working Group 4.6, chairman *Dr. Günter Meier*. More than 300 participants attended the very successful symposium from Austria, Poland, Switzerland and Germany.

Commission work

All ten Working Groups (*Arbeitskreise* = AK) are active. Commonly, each Working Group has at least two meetings per year. For actual news, refer to the web site.

AK 4.1

Foundation soil; Types of soil (Chair : Joachim Faust)

Acting also as committee for DIN 4022 and for ISO/TC 182/SC 1.

AK 4.2

“Slopes” (Chair : Prof. Konrad Kuntsche).

Two sub-projects: (1) Slope instability map of Germany – (2) Engineering geological methods for the construction and support of soil slopes

AK 4.3

Education and further education; Outline of the profession Engineering Geology (Co-ordinator : Prof. Tiedemann, Berlin)

AK 4.4

Engineering geological maps (New chair : Prof. Otto succeeding Dr. Feuerbach)

AK 4.5

Software in Engineering Geology (New chair : Dr. Neumann, succeeding Dr. Deutsch)

AK 4.6

Site investigation and geotechnical assessment of abandoned mines (Chair : Dr. Meier)

AK 4.7

Geological base parameters for waste disposals (Chair : Prof. Magar)

AK 4.8

Natural stones (Chair : Dr. Häfner)

AK 4.9

Historical buildings and natural monuments (Chair : vacant)

AK 4.10

“Drilling and sampling methods and groundwater measurements” (Chair: Mr. F. Stölben) - Also acting as committee for the European committee CEN/TC 341/WG 1 and for ISO/TC 182 SC 1. Joint European Working Group of the ISSMGE, ISRM and IAEG

“Professional tasks, responsibilities and co-operation in ground engineering”. Participation through its chairman *Helmut Bock* and discussion of the actual topics in focussed national meetings.

**Professional interests**

- October 2002 : Detailed comments and elaboration of a Group’s Proposal to the draft of DIN 4020 “Geotechnical Investigations for Construction Purposes” which is foreseen to be introduced as part of the public regulatory framework.
- March 2003 : Petition for amendment of the draft federal regulations on “Certifying engineers and certifying experts in foundation engineering” submitted to the federal conference of building and construction ministers.

**Anticipated Activities in 2003 – 2004**

In the coming year one of our main focus will be on EurEnGeo2004, the first European Regional IAEG Conference, 3 – 5 May, 2004 in Liège / Belgium. This conference will be organised jointly with the Belgian and Dutch National IAEG Groups. It thus underlines the general policy of the German national Group, which is the opening for focussed co-operations with our European neighbours.

**Ireland**

Below is a list of lectures that the Geotechnical Society of Ireland organised for 2002-2003.

- October 2002 : “Case studies of tunnelling” by Dr. Chris Menkiti (Geotechnical Consulting Group)
- November 2002 : “The implications of Eurocode 7 for Geotechnical Design in Ireland” by Dr. Trevor Orr (Trinity College Dublin)

- January 2003 : “The Hydrogeology of the Curragh Gravel Aquifer” by Kevin Cullen, Joint lecture with IAH
- February 2003 : “Kildare Town By-Pass design and construction” by John Coppinger (Kildare Co. Council) and Dr. Eric Farrell (Trinity College Dublin), Joint lecture with Civil Division
- February 2003 : “Remediation and Extension of Pollboy Landfill” by Larry O’Toole (M.C. O’Sullivan & Co. Ltd) and Pat Canney (Galway Co. Council)
- March 2003 : “Geotechnical Aspects and Related Challenges of the Dublin Port Tunnel” by Geoff Featherstone (Kellog Brown & Root), Bill Newns (Charles Haswell & Partners Ltd.), Dr. Chris Menkiti (Geotechnical Consulting Group) and Stephen Thompson (Nishimatsu Construction Company Ltd.)
- April 2003 : Annual Visiting Lecture “New Developments in Understanding Soil Behaviour” by Professor David Frost (The Georgia Institute of Technology, Atlanta, USA)

**Lithuania**

The Lithuanian National Group of IAEG included 13 members (10 with Bulletin). The members of the Lithuanian National Group of IAEG participated and presented their materials (reports) for the following international actions :

- 9<sup>th</sup> Congress “Engineering geology for Developing Countries” in Durban, South Africa, in 2002, 16-20 of September. In this symposium was made one oral presentation: “Soil classification systems: problems and correlation” and one poster
- In 2002 in October many members of our group will take part in the

traditional workshop of Baltic States in Latvia.

Saulius Gadeikis, secretary : [saulius.gadeikis@gf.vu.lt](mailto:saulius.gadeikis@gf.vu.lt)

**Norway**

Norsk Bergmekanikkgruppe, involving Norsk Jord- og Fjellteknisk Forbund, International Society for Rock Mechanics, International Association for Engineering Geology and the Environment

**Executive committee**

The executive committee for 2002 had the following members :

**President**

Leif Rune Gausereide, Norconsult AS

**Secretary**

Therese Scheldt, Dept. of Geology and Min. Resources Engineering, NTNU

**Members**

Amstein Aarset, Jernbaneverket  
Jan Rohde, Statkraft Grøner  
Helge Ruistuen, PTIScandpower  
Elin Hermanstad, Norwegian Public Roads

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**Members**

The Norwegian Group of Rock Mechanics (NBG) is an affiliate in both IAEG and ISRM. Presently, the group has a total of 229 members.

	1995	1996	1997	1998	1999	2000	2001	2002
Members	147	179	183	197	203	209	204	212
Industry partners	21	20	19	18	18	19	18	17
Total	168	199	202	215	221	228	222	229

Eight meetings were held in the executive committee in 2002. At the annual meeting for 2002 a new leader and one new member were elected. The new leader is Mr. J. Rohde, Statkraft Grøner, and the

member is Mrs G. Grønneng, Geovita AS. One conference and five technical meetings were held in 2001. The conference “Bergmekanikkdagen 2002” was held the November 22th

and gathered 183 participants. The conference presents mainly papers describing projects, where Norwegian engineering geologists and Rock mechanics people are involved.

## **Slovakia**

### President

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### Secretary

Martin Ondrášik, MSc.  
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Geological Survey of Slovak Republic  
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e-mail : ondrasik@gssr.sk

The IAEG Slovak National Group consisted in 2002 of 17 members (7 with and 10 without the Bulletin). The payment for the group members was transferred to the IAEG in May 2002. The IAEG Slovak National Group (further SNG) is an independent part of the Slovak Association of Engineering Geologists (SAEG). All scientific and educational activities of the SNG were coordinated with the Committee of the SAEG. Two issues of the Bulletin of the SAEG were published in Slovak language in the year 2002. Special space in the Bulletin is regularly devoted to the activities and information about the IAEG Slovak National Group and the international activities of the IAEG.

### Activities

According to the year's plan of activities, the SNG in cooperation with the SAEG organized various professional activities:

### Conferences

– "International landslide symposium 2002" organized by Czech, Slovak and Austrian engineering geologists, which was held in Prague in June-July 2002 and followed with field trips in the Czech and Slovak Republic and Austria  
– Conference "Geology and the Environment" held in Bratislava, 23-24 October 2002 at the opportunity of the 50<sup>th</sup> anniversary of the establishing of the education in engineering geology and hydrogeology in former Czecho-Slovakia

### Field trips and courses

– International field trip to Norway for Slovak and Czech engineering geologists, hydrogeologists and specialists in geotechnics (visits of the engineering geological and geotechnical sites as dams, tunnels, underground constructions etc.), June 2002  
– Field course „Geological problems and Environmental Protection“ for students, teachers and scientists to Austria and Italy (problems of slope stability, dam constructions, geological processes in the Dolomites, etc.) – September 2002  
– Workshop and field engineering geological training for students from Lyngby University, Denmark, in Slovakia – October 2002

### Conferences and Workshops

– Joint workshop with Czech Association of Engineering Geologists (CAEG) concerning the „Position of engineering geology in Czech Republic and Slovak Republic and its legislative activities reflecting the new political and economical environment“, 28.-29. January 2003  
– National workshop on theme: „Relationship of engineering geology and geotechnics“ 26 March 2003

### Publications

– Joint publication with Geological Survey of Slovak Republic (GSSR). Molák B. and Liščák P.: English – Slovak Geological Dictionary, GSSR Bratislava 2002, ISBN 80-88974-35-6

### Other

– Participation of Martin Ondrášik, the secretary of the IAEG Slovak National Group, in the 9<sup>th</sup> IAEG 2002 Conference in Durban, South Africa, 16-20 September 2002

### Anticipated activities during 2003-2004

#### *Field trips and courses*

– Field course „Geological problems and Environmental Protection“ for students, teachers and scientists to Austria and Italy (problems of slope stability, dam constructions, geological processes in the Dolomites, etc.) – September 2003  
– Workshop and field engineering geological, hydrogeological and environmental training for students from Comenius University, Bratislava in Denmark – April 2003  
– Workshop and field engineering geological training for students from Lyngby University, Denmark, in Slovakia – October 2003

– Visit of the Nuclear Power Plant Mochovce for engineering geologists from SAEG, September 2003

#### *Conferences and Workshops*

– Six seminars on adaptation of new European Standards, September 2003 – January 2004

#### *Publications*

– Joint publication with Geological Survey of Slovak Republic and CAIG: English – Slovak Engineering Geological and Geotechnical Dictionary

#### *Scientific research*

Following projects in the frame of the Slovak Scientific Agency (VEGA) or in the frame of other research programs were being solved in the years 2002-2003 :

– “Geological risks and prevention in the landuse development and the crisis management” (leader R. Ondrášik)-VEGA  
– “Interaction between soils and geosynthetics for the prevention of some geobarrier risks” (leader M. Matys)-VEGA  
– “Analysis of the rock environment dynamics and its influence on the stability of historic structures” (leader J. Vlčko)-VEGA  
– “Rocks as building stone on historic monuments in Bratislava-their deterioration and properties change in time” (leader R. Holzer)-VEGA  
– "Analysis of rock environment dynamics and effects on the stability of ancient structure" (leader L. Bašková, duration 2002). The PhD. project concerns relationship between a displacement of the subgrade (due to slope deformation) and failures in ancient monuments (man made structures)  
– “Assessment of geological hazards in landuse planning by means of GIS” (leader: M. Bednarik, duration 2002. The PhD. Project concerns the endangering of man's environment by hazardous processes, like slope deformations, erosion, etc.  
– "3-D monitoring of Active Tectonic Structures", (leader L. Petro, duration 2002 - 2005). Monitoring of micro displacement on selected active tectonic failures in the Western Carpathians)  
– "Engineering geological investigation for the protection, preservation and promotion of cultural heritage monuments" – bilateral Slovak-Greek project (leader: J. Vlčko, duration 2001-2003) where the preservation of the cultural heritage is at the center of interest  
– "Landslide hazard assessment, an mitigation for cultural heritage sites

and other locations of high societal value" - IUGS/UNESCO, IGCP Project Nr. 425 (leader J. Vlčko, main coordinator - K.Sassa, duration 1998-2002) with the general aim to ensure a living environment safe from natural hazards

– "Partial monitoring system of geological factors of the environment" (leader M. Hrašna, duration 1997-2003)

– "Landslide monitoring at selected historic sites in Slovakia" (leader J. Vlčko)- a project of the International Consortium on Landslides

– Landslide risk assessment in landslide prone regions of Slovakia" (leader R. Holzer)- a project of the International Consortium on Landslides

#### National cooperation

Slovak National Group cooperates with the authorities (Ministry of the Environment of the Slovak Republic) in the Licensing Committee issuing to geologists licenses on work and responsibilities for geological works, and in Committee for preparation of the legislative standards and laws.

Another close cooperation is with Union of Slovak Geological Associations, which includes associations of all geological branches. There is also a very fruitful cooperation with the scientific institution - the Slovak Geological Society, which is aimed mainly on the realization of scientific meetings, field trips, workshops, etc.

#### International cooperation

Very close and intensive contacts continue with the IAEG Czech National Group and the Federation of European Geologists (FEG). The cooperation with Greece (IGME Athens), Austria (Vienna Agriculture University), Denmark (Lyngby University), Canada (University of Windsor), Switzerland (ETH Zürich), Japan (University of Kyoto, Fukuoka, Saga and Niigata) continues, mainly in the field of the research programs and the staff and Ph.D. student exchange.

#### Sweden

(Byggnadsgeologiska Sällskapet, BGS)

#### President

Daniel Morfeldt  
Mineconsult AB  
Banérgatan 37  
115 22 Stockholm  
Sweden  
Tel : + 46.8.662.20.60  
Fax : + 46.8.662.50.02  
[mineconsult@stockholm.mail.telia.com](mailto:mineconsult@stockholm.mail.telia.com)

Vice chairman :Bengt Ludvig

Secretary : Benno Kathol

Treasurer : Frank Ouchterlony

#### Board members

Isacsson  
Joanne Fernlund  
Peter Lund  
Beatrice Lindström, responsible for the web : <http://www.bgs.to>

The address of the Society is :  
c/o KTH  
100 44 Stockholm  
Sweden

In 2002 the National Group had 140 members without Bulletin and 15 members with Bulletin.

We will be actively working on to increase the amount of members for 2003, by sending out information papers about BGS and also adds in different geopublications. During the year of 2002 we had sponsorship payments from seven different companies and we are trying hard to get at least 20 new ones for this year 2003.

The activities were the following: two members attended the meeting in Durban. One keynote lecture on Aggregates was given there. Since the meeting in Durban the National Group has had 3 excursions to work sites and 3 afternoon/lunch meetings. The Board has met 5 times at KTH and our yearly meeting took place on March 18<sup>th</sup> in Stockholm, where a new board was elected.

Our National Group is publishing all reports from excursions and meetings in the publication GEO Bygg, now presented at our web site.

For 2003 all programme is scheduled and published accordingly. The National Group of Finland will be invited to a full day excursion to a tunnel project in Stockholm in late 2003 and we have received appreciation from the Finland Chairman for this and we will widen it to all Scandinavian countries in the coming years. A much better communication will be developed both within the National Groups and between them and hopefully can be an inspiration to all IAEG Groups and the Executive committee.

To follow up the huge investments in infrastructure projects in the Scandinavian countries we are planning to arrange a full day hearing in 2004 to discuss how to learn from each other and not do the same costly mistakes in similar projects and geology environments.

We will put in lots of efforts to have our home page up dated and full of possibilities for discussions between members and we are looking forward to see the other IAEG member nations visiting our web site.

#### United Kingdom

An ad hoc Organising Committee for IAEG 2006 is established. The 10th Congress of the International Association for Engineering Geology and the Environment will be hosted in Nottingham in the UK in September 2006.

A preliminary web site has been established, at

<http://www.iaeg2006.com/>

#### Missing reports

At the time of delivering this compilation, reports had not yet been received from the National Groups of Austria, Belgium, Denmark, Iceland, the Netherlands, Poland and UK.

## Report of IAEG Vice-President for Southern Europe

Professorr Paolo CANUTI (Italy) – Fax : + 39.055.275.62.96 – e-mail : canuti@geo.unifi.it

On September 15<sup>th</sup> in Durban (South Africa), Dr. G. Lollino, secretary of IAEG Italian Group, took part to the IAEG Council as a representative of Prof. G. Melidoro, president of the IAEG Italian group. On the same oc-

casions, he presented the candidature of Prof. P. Canuti to the membership of IAEG Executive Committee and as the new IAEG Vice President for southern Europe. Elections which took place during the

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### France

#### Responsables 2003

##### Président

Jean-Louis Durville  
CETE Lyon  
25, avenue François Mitterrand  
CSE n° 1  
69674 Bron Cedex  
France  
Fax : + 33 4 72 14 30 35  
E-mail : [Jean-Louis.Durville@equipement.gouv.fr](mailto:Jean-Louis.Durville@equipement.gouv.fr)

##### Vice-Présidents

Roger Cojean  
Jean-Luc Dessenne  
Trésorier  
Daniel Déprez  
Secrétaire Général  
Aline Quenez

Secrétaire général adjoint (adresse de correspondance)  
Denise De Meyer  
LCPC

Activités 2002-2003 (depuis la dernière réunion du Conseil AIGI de septembre 2002)

#### Réunions du Conseil du CFGI

10 octobre 2002  
3 décembre 2002  
23 janvier 2003  
20 mars 2003  
20 mai 2003  
19 juin 2003

#### Séances techniques

– 8 au 10 octobre 2002 à Nancy : journées communes CFGI-CFMR-CFMS : Journées Nationales de Géotechnique et de Géologie de l'Ingénieur (JNGG) "Optimisation de l'insertion des ouvrages dans le sol et le sous-sol"  
– 4 décembre 2002 : journée commune CFGI-SIM (Société de l'Industrie Minérale): "L'eau et les activités extractives et de génie civil : coopération ou confrontation ?"  
– 23 janvier 2003 : "Sols sensibles à l'eau : retour d'expérience" ; responsable de la séance : A. Quenez  
– 20 mars 2003 : Assemblée générale ordinaire du CFGI – Elections des membres du Conseil  
– 20 mars 2003 : "Méthodes de stabilisation de versants naturels" ; responsable de la séance : J.-L. Gafferri  
– 21 et 22 mai 2003 : journées régionales annuelles du CFGI en Ardenne

– 19 juin 2003 : prix Jean-Goguel 2003 – Liste des candidats et titres des communications :  
– Christophe Ancey (CEMAGREF) : *Rhéophysique des écoulements torrentiels*  
– Julio Goncalves (UMR Sisyphe, Université Pierre et Marie Curie) : *Modélisation 3D de l'évolution géologique du bassin de Paris : implications diagénétiques et hydrogéologiques*  
– Dragan Grgic (ENSG-INPL) : *Étude expérimentale et modélisation*

Council were a success for the Italian candidate.

Soon after his election, Prof. Canuti started a series of email contacts with Dr. Lars Persson, IAEG Vice President for northern Europe. The con-

#### Prévisions d'activité pour 2003-2004

##### Réunions du Conseil

9 septembre 2003  
10 décembre 2003  
29 janvier 2004  
18 mars 2004

##### Séances techniques

– 9 octobre 2003 : journée à Monceau-les-Mines (Saône-et-Loire), "Études et travaux réalisés dans le cadre du dossier d'arrêt de travaux de la concession de Blanzy-Monceau-les-Mines" ; responsable : Y. Paquette  
– 11 décembre 2003 : "PPR Mouvements de terrain – Cartographie" ; responsable de la séance : A. Quenez  
– 29 janvier 2004 : "Description et classification des massifs rocheux" ; responsable : J. ???????  
– 18 mars 2004 : assemblée générale ordinaire  
– 18 mars 2004 : situations géologiques exceptionnelles ; responsable : J.-L. Dessenne  
– Journées régionales annuelles 2004  
– Journées communes aux trois comités CFGI-CFMR-CFMS 2004

En 2005, le CFGI organise avec le BRGM un symposium international, Geoline 2005, "Géologie et ouvrages linéaires", qui se tiendra du 23 au 25 mai 2005 à Lyon (France).

### Greece

#### Number of members

81 with bulletin and 8 without bulletin (total number : 89)

New board of the Greek National Group of IAEG, after the elections of March 2002

#### President

Dr. George Tsiambaos  
Assistant Professor of Engineering Geology  
National Techn. University of Athens  
School of Civil Engineering

58, boulevard Lefebvre  
75732 Paris Cedex 15  
France  
Fax : + 33 1 40 43 65 16  
E-mail : Denise.De-Meyer@lcpc.fr

#### Effectifs du groupe

Membres individuels avec bulletin :  
259  
Membres individuels sans bulletin :  
56  
Membres associés : 15

#### Treasurer

Dr. Andreas Kaplanidis

#### Members

Prof. G. Koukis and Dr. N. Nikolaou

#### Activities

– Representation of our National Group to all Symposia, Congresses etc. sponsored by IAEG and the sister societies (ISRM, ISSMGE).  
– Representation in the Council Meeting of IAEG in Durban, 2002  
– Participation in the IAEG commission No.16 for protection of ancient works, monuments and sites, chaired by our member, Assoc. Prof. V. Christaras  
– Publication of the 5<sup>th</sup> post-symposium volume of the international symposium of IAEG, Athens 1997 (Published by BALKEMA A.A.)  
– Organization of the Greek Engineering Group Meeting, October 2003 in Athens with the theme : “The role of engineering geology in road constructions – the new Greek guidelines”

#### Italy

##### President and Treasurer

Prof. Gregorio Melidoro

##### Secretary

Ing. Giorgio Lollino  
Fax : + 39 011 343 574  
[g.lollino@irpi.to.cnr.it](mailto:g.lollino@irpi.to.cnr.it)

In the course of 2002, works for the preparations for the 32<sup>th</sup> International Geological Congress – Florence, August 20-28, 2004 – reached an advanced stage. Prof. Paolo Canuti, member of IAEG Directive Committee at that time, was designated as member of the IGC 2004 Scientific Council too and started an advantageous activity of promotion and organisation of the G02 IAEG Session on Engineering Geology among General Symposia.

*des effets de l'eau et du temps dans l'instabilité des mines de fer abandonnées de Lorraine*

- Christelle Léonard (LCPC – MSRGI) : *Localisation de cavités souterraines peu profondes par impact – écho et par sismique réflexion haute résolution*

- Nicolas Pollet (ENSMP – CGI) : *Contribution à l'analyse des mouvements gravitaires rapides de grande ampleur par la comparaison des matériaux sources et des dépôts – Exemples alpins*

Lauréat : Nicolat Pollet

the new IAEG Vice President for southern Europe.

Elections which took place during the Council were a success for the Italian candidate.

The Italian National Group also sponsored and took part to the setting up of the national convention “La Difesa della Montagna” at the end of the International Mountain's Year, which took place in Assisi on December 11<sup>th</sup>.

In December, voting papers for the renewal of members of the Italian Directive Committee were counted in Bari. Results indicated P. Canuti as President of the IAEG Italian National Group for the period 2003-2006. In the Directive Committee were elected the following members :

Giorgio Lollino  
Nicola Casagli  
Nicola Sciarra  
Vincenzo Simeone  
Domenico Burdetta  
Maurizio Pellegrini  
Piero Aleotti  
Claudio Margottino

During the first meeting of the Italian IAEG Directive Committee, which took place in Florence in April 2003, G. Lollino was confirmed as secretary for the period 2003-2006.

#### Romania

##### Name of the National Group

Romanian Association for Engineering Geology (ARGI)  
The ARGI is affiliated as independent organization to the Geological Society of Romania.

##### Names of current office holders

Prof.dr. Cristian Marunteanu (University of Bucharest) - President  
Dr. Constantin Privighetorita (GEO-TEC Bucharest) - Vice-President  
Dr. Ervin Medves (ERM Bucharest) - Vice-President

9 Iroon Polytechniou street  
15 780 Zografou Athens  
Greece  
Tel. : + 30 10 772 37 48  
Fax : + 30 10 772 34 28  
e-mail : gktsiamb@central.ntua.gr

#### Secretary

Mr. Anastasios Panagopoulo  
GEOSKOPIO  
19 Em. Papadaki street  
14121 N. Iraklio Athens  
Greece

#### Membership information

4 IAEG members with bulletin  
5 IAEG members without bulletin  
The annual payment was sent to the IAEG treasurer)  
90 members and 5 associated members subscribing only to ARG1

#### Activities during 2002-2003 since last Council meeting (September 2002)

The main theme of our periodic professional meetings and debates was “National Land Planning. Landslides hazard zoning” as a response of the recent Law and regulations on the Plan of national land planning – Zones of natural hazards.

In the frame of this theme, the meetings of our group were dedicated to “Methodology and models of landslide hazard assessment and zoning” as a contribution of the ARG1 and the Romanian Society for Soil Mechanics and Foundation Engineering to assess the Law application in the benefit of the Ministry of Public Works, Transportation and Housing.

Another subject was “Electrometric measurements in studying the dissolution caverns in salt and their impact on the ground stability” presented by Geological Survey and Faculty of Geology and Geophysics.

Following the Statutes of our association, we have continued to engage scientific contracts with different institutions, a part of the income being used for the current activities of the association, including the payment of fees and subscription to the IAEG. The most important works have been dedicated to engineering geological and geotechnical studies for waste disposal and for stabilizing historical heritage buildings in the medieval zones of Sighisoara and Sibiu.

#### Russia

Chairman of the Russian National

Prof. Canuti took part of the Scientific Committee at the International Conference on Fast Slope Movements Prediction and Prevention for Risk Mitigation, which took place in Naples in May 2003, and that was sponsored by the IAEG Italian National Group.

Dr. G. Lollino, secretary of IAEG Italian Group, took part to the IAEG Council on September 15<sup>th</sup> in Durban (South Africa), as a representative of Prof. G. Melidoro, president of the IAEG Italian Group. On the same occasion, he presented the candidature of Prof. P. Canuti to the membership of IAEG Executive Committee and as

The fifth All-Russia Scientific Conference "Sergeevskie Chteniya" (The annual session of the Scientific council RAS on Environmental Geoscience, Engineering Geology and Hydrogeology) in commemoration of the outstanding Soviet and Russian scholar, the founder of the Russian school of engineering geology, and the pioneer in environmental geoscience development, Past President IAEG academician *Evgenii Mikhailovich Sergeev*. Moscow, March 24-25, 2003.

The Conference was organized by the Institute of Environmental Geoscience RAS, Scientific Council RAS on Environmental Geoscience, Engineering Geology and Hydrogeology. Organizing Committee : Chairman : Academician, Prof. Victor I. Osipov ; Executive Secretaries : Olga N. Eremina, Nadezhda A. Rumyantseva, Valentina B. Svalova.

The fifth conference "Sergeevskie chteniya" was specified by the fact that its tribune was rendered both to the most prominent Russian and foreign scientists (colleagues and followers of academician E.M. Sergeev) and the younger generation of future researchers who are eager to learn scientific work.

On the first day, 11 invited reports were delivered by the leading scientists from both Russia and abroad. The conference was honored by the attendance of recognized leaders of the international geological and engineering-geological community :

- Prof. Ed F.J. de Mulder, President International Union of Geological Sciences (the Netherlands)
- Prof. Marcel Arnould, Honorary President IAEG (France)
- Prof. Paul G. Marinou, Past President IAEG (Greece)

The reports were also delivered by other our colleagues from abroad and

Prof. Dr. Petre Bomboe (University of Bucharest) - Scientific Secretary  
Lect. Dr. Mihaela Stanciuc (University of Bucharest) – Treasurer

#### Contact address

Prof. Cristian Marunteanu  
Faculty of Geology and Geophysics  
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70139, Bucharest  
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Tel. : + 40 21 310 06 50/34  
Fax : + 40 21 211 31 20  
E-mail : cristian@gg.unibuc.ro  
Web site :  
<http://www.gg.unibuc.ro/argi>

On the second day, the floor was given to young scientists. Students, post-graduate students and young scientists under the age of 35 years old were invited to participate in the conference. The youth session arose great interest among scientific public. About 190 papers were submitted to the Organizing Committee of "Sergeevskie chteniya", of which 126 after thorough review were published in the conference proceedings, and 26 reports, which appeared to be most interesting and showed the original approaches to solving problems, were selected for oral presentation. Among 230 authors of published reports, there are about 40 senior students, 70 post-graduate students, and 120 young scientists and their supervisors.

We may state with great satisfaction that the youth session as well as the whole conference "Sergeevskie chteniya" was held on a high scientific level. The ever-growing interest to the conference (also among young generation of researchers) attests to a high potential of the Russian science and inspires confidence in its future success.

One may get acquainted with the papers accepted at the conference "Sergeevskie chteniya" in the volume of its proceedings "Sergeevskie chteniya. Vypusk 5." issued in March 2003 by GEOS publishers (Moscow, GEOS, 2003, 555 pp.)

The information is also available at the website : [www.geoenv.ru](http://www.geoenv.ru)

All-Russia Scientific Conference "Natural Risks Assessment and Management" (Risk-2003), Moscow, March 26-27, 2003

(Chairman of the Organizing Committee: prof. Alexei L. Ragozin, Institute of Environmental Geoscience RAS)

The conference was organized by Institute of Environmental Geoscience RAS and the Scientific Council RAS

#### Group IAEG

Prof. Victor I. Osipov, Academician of the Russian Academy of Sciences

#### Secretary

Dr. Nadejda A. Roumiantseva  
Fax : + 7 095 923 18 86  
E-mail : [direct@geoenv.ru](mailto:direct@geoenv.ru)

#### Activities

In the period of 2002-2003, the following events were held in Russia under the aegis of the Russian National Group of IAEG.

baijan, Belarus, Bulgaria, Kyrgyzstan, Moldova, Russia, Montenegro, Uzbekistan, and Ukraine.

The workshop was opened with the plenary reports delivered by academician V.I. Osipov (IEG RAS), the FCSHT RCDDMRI chief M.A. Shakhramanyan ("Hazard Management in the Natural and Technological Spheres (Theory and Practice)") and Dr. Sci. A.L. Ragozin (IEG RAS) ("Currently Available Methods and Problems of Natural Risk Quantitative Assessment and Management"). The first deputy minister for Emergency Situations of the Russian Federation Yu. L. Vorob'ev welcomed the Conference.

After the plenary meeting, the conference was divided in five workshops :

- Identification and Prediction of Natural and Technonatural Hazard Development
- Development Scenarios, Synergistic Effects, and Negative Consequences of Natural Disasters
- Theory and Practice of Quantitative Assessment of natural Risks
- Assessment of Ecological Risk
- Natural Risk Management

A total of 50 reports were delivered at the conference. This conference was held for the fifth time since 1993, hence, it may be considered as a jubilee, which was pointed out by many speakers.

The next conference on natural risk assessment and management with broad international participation is planned for the year of 2006.

The information is also available at the website : [www.geoenv.ru](http://www.geoenv.ru)

The following scientific event is to be held by the Russian national group of IAEG:

International Symposium "Karst Study in the XXI Century: Theoretical and Practical Significance", Russia, Perm, May 25-30, 2004

The Perm region is specified by a

the former USSR republics :

- Prof. Kiril Anguelov (Bulgaria)
- Prof. Stanisa Ivanovic (Yugoslavia)
- Profs. O. Bornemann, G. Ming-erzahn, J. Behlau, M. Schramm & J. Hammer (Germany)
- Academician RAS V.I. Osipov (Moscow)
- Academician Ukrainian Academy of Science V.M. Shestopalov (Kiev)
- Prof. V.P. Anan'ev (Rostov-on-Don)
- Corresponding member Belarus Academy of Sciences A.V. Kudel'skii (Minsk)
- Prof. K.A.Kozhobaev (Bishkek)

The scientific and practical experience gained in regional karst study needs generalization and comparison with foreign achievements, which will surely promote the further development of its theoretical and applied aspects.

The suggested symposium will give the opportunity to establish direct relations between experts in karst study from different countries, to strengthen scientific links and international cooperation.

The draft program of the Symposium is planned to include the following items :

- History and methodology of karst study

on Environmental Geoscience, Engineering Geology and Hydrogeology with the participation of the Federal Center of Science and High Technologies "Russian Civil Defense and Disaster Management Research Institute" (FCSHT RCDDMRI). It was financially supported by the Moscow Government (grant no. 14-inf-02) and the Russian Foundation for Basic Research (project no. 03-05-74009). The conference proceedings containing 185 reports in two volumes have been issued to the opening of the event.

The Conference was attended by more than 200 participants from Azer-

- Karst and mineral resources
- Hydrogeological problems in karst regions: theoretical and applied aspects
- Engineering geological problems in karst areas
- Speleological problems

In the framework of symposium, the special session is planned devoted to the 100th anniversary of prof. G. A. Maksimovich, who was one of the pioneers in the Russian karst study. The Symposium will be hosted by the Scientific council RAS on Environmental Geoscience, Engineering Geology and Hydrogeology, the Perm State University; the Institute of Karst

unique structural, lithological, and geomorphological diversity, which favored the development of various types of karst manifestation and karst forms. The area of about 30 thousand km<sup>2</sup> is composed of limestone, dolomite, gypsum, anhydrite, and rock salt. The variety of karst manifestations entailed a number of problems in the economic development of karst-prone areas, and at the same time promoted the priority in karst study. In this region, karst is profoundly investigated in connection with geological and hydrogeological mapping, mineral prospecting, and mining development.

Study and Speleology at the Russian Geographical Association; the Kungur Karst Stationary at the Mining Institute of the Urals Division of RAS; and the Perm Cultural and Business Center. A 4-5-day-long after-symposium excursion is planned to the most famous karst regions in the Middle and Southern Urals.

*Contact address of Organizing Committee* : Geological Faculty, Perm State University, ul.Bukireva 15, Perm, Russia, 614990 – Tel. : (3422) 396-506 ; (3422) 396-614 – Fax : (3422) 134-967  
kataev@psu.ru, natasha@mpm.ru  
Website : [www.science.psu.ru/karst/](http://www.science.psu.ru/karst/)

## Report of IAEG Vice-President for South America

M. Norberto Jorge BEJERMAN (Argentina) – Fax : + 54.351.456.35.47 – [jbejerman@infovia.com.ar](mailto:jbejerman@infovia.com.ar)

The International Association for Engineering Geology and the Environment (IAEG) has five national groups in South America : Argentina, Brazil, Colombia, Paraguay and Perú.

The national Group of Paraguay has not sent the report, because of the mail requirements in order to obtain it. The Peruvian national group is reorganizing after the dismissal of its General Secretary. The professionals in charge of this reorganization are in permanent contact with this Vice-president.

The national groups that have sent their reports are :

### Argentina

#### Name of the national group

Asociación argentina de geología aplicada a la ingeniería

#### Names of current office holders

President : Horacio V. Rimoldi

Vice President

Juan Carlos Bertolini

Secretary

Norberto Jorge Bejerman

Under Secretary

Jorge Eduardo Caló

Treasurer

Armando Massabie

Under Treasurer

Ricardo Dubois

Nominal Members

María Alejandra González

Roberto Kokot

Rubén O. Cuesta

Sul and Santa Catarina), ABGE registers at the very moment two active technical commissions dealing with Engineering Geological Mapping and Environmental Issues.

ABGE keeps contact with its members and informs them about general issues related to Engineering Geology by means of e-mail informative, called INFOMAIL. Since last council meeting 235 electronic bulletins have been sent to the members. It publishes also every four months a Journal, called ABGE EM REVISTA and keeps a homepage in the address [www.abge.com.br](http://www.abge.com.br).

During the period from September 2002 till now, ABGE has organized the following activities :

#### Substitute Members

Augusto Adur

Martin Guichón

Ángel Marcos

#### Contact address

Maipú 645, Piso 1

1006 Buenos Aires

Argentina

Tel : + 54.11.47.82.12.79

E-mail : [asagai@asagai.org.ar](mailto:asagai@asagai.org.ar)

Homepage : <http://www.asagai.org.ar>

(in construction)

#### Membership information

Number of members with bulletin : 30

Number of members without bulletin :

0

#### Activities 2002 (after September 2002)

Fourth Meeting of Environmental Units of the Highway Sector.(Mar del Plata, Buenos Aires Province, October 22-25, 2002).

Publication of the Journal of Geology Applied to Engineering and the Environment, N° 17.

Meetings of the Commission N° 1, Engineering Geological Maps, for the elaboration of a Publication on Geological Hazard Mapping in Argentina.

#### Activities 2003

Publication of the Journal of Geology Applied to Engineering and the Environment, No.18.

Meetings with the National Groups of ICOLD, ISSMGE and ISRM in order to organize the first Congress common to the three national groups.

Meetings of the Commission No.2, Aggregates.

– Book : *Technology of Rocks in the civil construction*

– Proceedings of the 10<sup>th</sup> Brazilian Congress of Engineering Geology and the Environment

– Reproduction of the CD ROM *Dam foundations* (D.U Deere)

– Agenda ABGE 2003 with technical information

– Book *Engineering Geology*, 3<sup>rd</sup> Edition

#### Joint activities

– Meeting *Contracts of Works and Services*, Brazilian Association for Soil Mechanics and Geotechnical Engineering, Rio de Janeiro, Sep. 19, 2002

– Workshop *Security, disasters and*

### Brazil

#### Name of the National Group

Associação brasileira de geologia de engenharia e ambiental

#### Names of current office holders

President : Giácomo Ré

Vice President

Claudio Amaral

Secretary

Maria Heloísa Frasca

Treasurer

José Luís Ridente

Diretoras de Comunicações

Vera Cristina Rocha

Maria José Brollo

#### Contact Address

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Fax : + 55.11.37.19.06.61

e-mail : [abge@ipt.br](mailto:abge@ipt.br)

Homepage : <http://www.abge.com.br>

#### Membership information

645 members :

members with bulletin : 591

members without bulletin: 54

#### Activities during 2002-2003 since last council meeting (September 2002)

With its Secretary located at São Paulo, composed of 3 local groups (Brasília, Rio de Janeiro e Minas Gerais) and 4 regional presentations (Pernambuco, Paraná, Rio Grande do

#### Names of current office holders

President

Dr. Adolfo Alarcón Guzman

Secretary

Ing. Jacobo Ojeda Moncayo

#### Contact address

Calle 15ª No. 69 A-44

Bogotá

Colombia

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#### Activities 2002 (after September 2002)

### Meetings

- 2<sup>nd</sup> Symposium on Highway civil works, September 23/25, 2002, São Paulo (SP)
- Meeting *Subsurface Control of Floods*, November 27, 2002, São Paulo
- Short Course on Applied Mathematics, March 2003, São Paulo (SP)
- 3<sup>rd</sup> Symposium on applied Geophysics, May 26/27, 2003, São Paulo (SP)

### Publications

- Proceedings of the 2<sup>nd</sup> Symposium on Highway Civil Works – RODO – 120p.
- Book : *Engineering Geology – concepts, methodology and practice*

*rehabilitation of dams*, Brazilian Association for Soil Mechanics and Geotechnical Engineering, Rio de Janeiro, October 2, 2002

- Meeting *Dam Foundations*, Brazilian Association for Soil Mechanics and Geotechnical Engineering, Rio de Janeiro, November 27, 2002
- Revista *Solos e Rochas*, Brazilian Association for Soil Mechanics and Geotechnical Engineering. Three editions have been distributed since September.

### Colombia

Name of the national group  
Sociedad colombiana de geotecnia

- IV<sup>th</sup> Colombian Seminar of Geotechnics
- IX<sup>th</sup> Colombian Congress of Geotechnics, Medellín, November 5-9

### Activities 2003

Seminars :

- Geotechnical design of aqueducts and culverts, Bogotá, May 22-23
- Pavement design at Bogotá savanna, Bogotá, June 5-6
- XII<sup>th</sup> Geotechnical Symposium and Forum on the Bogotá savanna (in cooperation with the Colombian Society of Engineers), Bogotá, October 2003

**REPORTS OF COMMISSIONS TO IAEG COUNCIL, ISTANBUL**  
**RAPPORTS DES COMMISSIONS AU CONSEIL DE L'AIGI, ISTANBUL**  
**14<sup>th</sup> SEPTEMBER 2003 – 14 SEPTEMBRE 2003**

**Commission C 1**  
**Engineering geology maps – *Cartes géotechniques***

Chairman

Professor Michael G. Culshaw  
British Geological Survey  
Kingsley Dunham Centre  
Keyworth  
Nottingham, NG12 5GG  
United Kingdom

[mgc@bgs.ac.uk](mailto:mgc@bgs.ac.uk)

Secretary

Dr Brian R. Marker  
Office of the Deputy Prime Minister  
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United Kingdom

[brian.marker@odpm.gsi.gov.uk](mailto:brian.marker@odpm.gsi.gov.uk)

Most recent meeting of Commission, Durban, South Africa, September 2002

The main issues addressed were :

- whether the geohazards output should consist of papers in the Bulletin IAEG or a free-standing book. The view that the material should be published in the Bulletin was strongly supported. The Chairman wrote to the Editor of the Bulletin in October 2002. A response is awaited ;
- whether the Commission should be disbanded as soon as the geohazards material has been published - the Chairman was advised that the Commission is still needed to consider matters such as standards and conventions for symbols on engineering geology maps, and to review engineering geology GIS.

Outputs and publication

- Draft report 1 - Special maps for waste disposal sites

Accepted for publication in The Bulletin of Engineering Geology and the Environment, March, 2002. Currently being revised in the light of editorial comment.

- Draft report 2 - Geohazard maps

Several major sections completed. Other yet to be completed.

Culshaw and Marker presented an overview titled "Geohazard maps - the state of the art" at the Durban

meeting. This was summarised from all results of the geohazards exercise that were to hand at that time.

Background

Authors were identified for the guide on special maps for waste disposal sites and for some sections of the guide to geohazard maps by early 1995 and work began on both reports. The Commission met in Montpellier (1993), Lisbon (1994), Bratislava (1995), Granada (1996), Athens (1997), Vancouver (1998) and Durban (2002) to discuss progress and drafts. Representatives from 17 countries have participated in the work of the Commission.

Report on special maps for waste disposal sites

Authors : H Proske (Austria), J Vlcko (Slovakia) and M Rosenbaum (UK).

The report has been accepted for publication in the Bulletin of Engineering Geology and the Environment, subject to minor editorial amendments, and is in press.

Report on geohazard mapping

This has been a more complicated task because of its wide scope. Specialist authors were sought for each section. Sections that were allocated early on are complete but some of those placed later are not yet finished.

A full progress report was provided by Culshaw and Marker for the IAEG Conference in Durban (September, 2002). The authorship, and current state of progress, of the sections is :

- Introduction - M Culshaw (UK) and B Marker (UK) – to be finalised when all chapters are to hand
- *GIS in hazard mapping* - N Rengers (Netherlands), J Chacon (Spain) C Irigaray, and C J van Westen - draft completed and delivered
- *Subsidence* - B Marker (UK) - draft completed and with editors
- *Slope instability* - M Culshaw (UK) and B Marker (UK) and others
- *Volume changes* – I Smalley (UK) and N Klukanova (Slovakia) – in preparation
- *Water-related hazards* – N J Berjerman, M Fresina and M M Guarino (Argentina) – main draft completed. Additional text on tsunami being prepared currently by D Gunn (UK)
- *Glacial and mountain hazards* - J Reynolds (UK) – draft completed
- *Seismic hazards* - M Culshaw (UK) – in preparation
- *Volcanic hazards* - A S Daag , R P G A Voskuil, and C J van Westen (Netherlands) – draft completed and delivered to editors
- *Soil erosion* - J Aguilar (Spain) – draft completed
- *Coastal and fluvial erosion* - M K Lee (UK) – draft completed
- *Contamination* - B Marker (UK) – draft completed and with editors

## Annex – List of participants in current activities of Commission No. 1

### Actively contributing to drafting of reports

J Aguilar (Spain)  
 N J Bejerman (Argentina)  
 J Chacon (Spain)  
 M G Culshaw (UK)  
 A S Daag (Netherlands)  
 M Fresina (Argentina)  
 M M Guarino (Argentina)  
 D Gunn (UK)  
 J Hanisch (Germany)  
 C Irigaray (Spain)  
 N Klukanova (Slovakia)  
 M E Lee (UK)  
 B R Marker (UK)  
 H Proske (Austria)  
 M Reh (Germany)

N Rengers (Netherlands)  
 J Reynolds (UK)  
 M Rosenbaum (UK)  
 L Rosen (Sweden)  
 J P Venter (South Africa)  
 I Smalley (UK)  
 J Vlicko (Slovakia)  
 R PG A Voskuil (Netherlands)  
 C J van Westen (Netherlands)

### Attending at recent (1997 onwards) meetings

*(but not directly involved in completed or current drafting of sections)*

M Ferrer (Spain)  
 G Frangov (Bulgaria)  
*(representing Il Broutchev)*

J Gartner (Canada)  
 M Langer (Germany)

### Other participants in meetings (1991-1996)

F Ayala Carcedo (Spain)  
 Vu Cao Minh (Viet Nam)  
 N Duc Dai (Viet Nam)  
 E Dudich (Hungary)  
 G Goldberg (Germany)  
 H Goso (Uruguay)  
 F Istevan (Hungary)  
 E Krauter (Germany)  
 M Masson (France)  
 E F J de Mulder (Netherlands)  
 V I Osipov (Russia)  
 F P Rivelli (Argentina)  
 C Schindler (Switzerland)

## Commission C 10

### Building stones and ornamental rocks – *Pierres de construction et roches ornementales*

#### Office holders and contact addresses

Chairman : Prof. Asher Shadmon (Israel)  
 fax : + 972.2.679.08.18  
 e-mail : [ashstone@netvision.net.il](mailto:ashstone@netvision.net.il)

Secretary : Prof. Raimo Uusinoka (Finland)  
 fax : + 358.3.3115.2884  
 e-mail : [raimo.uusinoka@tut.fi](mailto:raimo.uusinoka@tut.fi)

#### Last meeting

Durban, South Africa. Reports were given by members and attendants, covering the period since Helsinki Meeting 2001. The meeting was followed by a Dimension Stone Workshop.

#### Venue of next meeting

The next C-10 meeting has been scheduled to take place during the IMBS 2003 International Symposium on September 16, 2003.

Since the last meeting, consolidation of the contacts with about 30 countries was continued by correspondence, attendance and discussions on reports submitted at the C-10 meetings.

A full report and proceeding of first C-10 workshop held in Helsinki 2001 has been prepared and will be published in the last volume of the Helsinki proceedings awaiting publica-

tion and published on page 18 of IAEG NEWS, December 2002, for eventual additions and modifications. There is a continuing demand for *Stone in Southern Africa* co-published with 2002 in UNESCO, activated by occasional demands which have appeared in the professional and industrial press. Future dissemination arrangements are considered as sales are governed by the essentially slow rate of press reviews and via the display in the UNESCO Publishing catalogue, our only means to publicize. The preparation of *Stone in Nordic Countries*, edited by and Olavi Senonen and Veli Suominen, has reached the layout stage and is due to be published in June 2003. Other publications in the active pipeline are *Stone in Scotland* and *Stone in the Czech Republic*.

Representation on the various CEN working groups meetings continued in the period under review. In addition to the results published in IAEG NEWS of December 2002, the status of the determinations of sound speed propagation, static elastic modulus and thermal coefficient are now discussed in view of comments of a CEN enquiry. More details may be available by the time of our next meeting in Istanbul.

Contact was continued with the Osnet Ornamental Stones Network and with

These provide a forum for the discussion of the problems faced by the European stone sector.

The overview planned to cover ten years of Stone Standardization, from the inception of Stone Standards revisions by CEN, and culminating with the EU, has been delayed due to the production of Nordic Stone which took much time in liaising. There is a good chance to speed up our publication activities and the subject will be reviewed in Istanbul.

At Istanbul, another main item on the agenda of C-10 will be the organization of workshops during each C-10 meeting. These will be planned to be during the 32<sup>nd</sup> IGC in Florence, GeoEng 2004 in Canada and the 10th International Congress of IAEG in 2006. Additional meetings may be considered when appropriate venues will be announced.

During C-10 meeting in Durban, chaired by Raimo Uusinoka in the absence of Asher Shadmon who sent regrets being unable to attend, reports were given by attendants from Finland, Brazil, Australia, Italy, Sweden, Czech Republic, Portugal, Turkey, Slovakia, South Africa and Korea.

Conclusion was reached that effectiveness would be increased by the holding of workshops, including an in-depth discussion on the dimension stones of the C-10 hosting country in

tion. The original aims and objects of C-10 have been revised in the light of the various academic groups engaged in stone related subjects. In addition to the reports submitted by other countries.

## Commission C 14

### Engineering geology and waste disposal – *Géologie de l'Ingénieur et stockage des déchets*

#### Composition of the commission's board

Daniel Morfeldt, chairman  
Cristian Marunteanu, secretary

#### Terms of references of the commission

For the period 2003-2006 the commission gather 32 members : 2 honorary members-past presidents, 19 members and 11 corresponding members, coming from 20 countries (Australia, Bulgaria, Canada, Finland, France, Germany, Greece, Hungary, Korea, Romania, Russia, Saudi Arabia, Slovenia, South Africa, Sweden,

#### Commission's achieved works since the last report circulated to the Council

The main activity in the last period was the publishing of the report of the actual disposal activities from the member nations, dedicated to the 9th IAEG Congress. National reports on radioactive waste disposal have been received and published on our web site from Bulgaria, Canada (2), China, Hungary, Romania, Slovenia, Sweden, UK and USA.

The report is available at the address [www.gg.unibuc.ro/iaegcomm14/report2002](http://www.gg.unibuc.ro/iaegcomm14/report2002)

The following is the summary of our commission meeting in Durban (19th September, 2002) :

– at the meeting have been present 10 members and participants from Argentina, Germany, Hungary, Romania, South Africa, Sweden and Switzerland ;

Switzerland, The Netherlands, UK and USA)

#### Contacts (fax, e-mail) and web site

Daniel Morfeldt  
fax : + 46.8.662.50.02  
e-mail : [mineconsult@stockholm.mail.telia.com](mailto:mineconsult@stockholm.mail.telia.com);

Cristian Marunteanu  
fax : + 40.21.211.31.20  
e-mail : [cristian@gg.unibuc.ro](mailto:cristian@gg.unibuc.ro);

[www.gg.unibuc.ro/iaegcomm14](http://www.gg.unibuc.ro/iaegcomm14)

– foreword and report by the Chairman ;  
– report by the Secretary ;  
– summary of discussions :  
    > Switzerland – change of the radioactive waste disposal concept by longer period of observation before final decision and studies on clays and marls as potential geological barrier ;  
    > Hungary – problem of the old waste from industry and mining ;  
    > Argentina – only solid waste but not regulatory rules ;  
    > South Africa – problem of the municipal waste ;  
    > Germany – moratorium on salt formation as host rock for radioactive waste disposal and the problem of chemical contaminated areas.

#### Working programme for the period 2003-2004

The main topic to further discussions in our commission will be the international co-operation for a safe and secure development of the first final disposal sites.

#### Date and venue of last meeting

19th September 2002, Holiday Inn Hotel - with the occasion of the IAEG 9th Congress *Engineering Geology for Developing Countries*  
16th-20th September 2002, Durban, South Africa.

#### Expected date and venue of next meeting

15th-18th September 2003, with the occasion of the *International Symposium on Industrial Minerals and Building Stones*, Istanbul, Turkey.

Finland and Sweden are in the forefront in placing the waste in the hard rock formations and in USA the Yucca Mountain project is going ahead as a final dry disposal site. The WIPP project located in New Mexico is using the salt formation for a interim disposal/storage site.

Our Commission 14 "Waste Disposal" is prepared to act on this question as we find the disposal of nuclear waste material one of the most harmful and risky action for the whole world population, either in developed or under developed country.

IAEG and IAEA could work together establish a independent research group where Commission 14 could be included.

New active members of our commission are needed and specialists will be requested from different national groups of engineering geology.

#### Precise information about achieved and foreseen publications for 2006

A new report published on web.

## Commission C 16

### Engineering geology and protection of ancient monuments and archaeological sites *Géologie de l'Ingénieur et protection des monuments historiques et des sites archéologiques*

Members the Commission No.16  
50 members from 30 countries

Beijing (1996) September 2001, during the 9<sup>th</sup> International Congress of

Precise information about achieved and foreseen publications for 2003

Composition of the Commission's Board

Chairman : Prof. Basile Charitaras

Contact address

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E-mail : [christar@geo.auth.gr](mailto:christar@geo.auth.gr)

Date of venue of last meeting

9<sup>th</sup> IAEG Congress in Durban (2002)

Previous meetings

31<sup>st</sup> IGC in Rio (2000), 8<sup>th</sup> IAEG Congress in Vancouver (1998), IAEG Congress in Athens (1997), 30 IGC in

the Greek Geological Society of Greece, 9<sup>th</sup> IAEG Congress in Durban (2002)

Expected date and venue of next meeting

IAEG Symposium in Istanbul (2003), 32 IGC, in Florence (2004)

Commission's achieved works

We continue or collection of data on engineering geological problems of the monuments included in the UNESCO World Heritage Catalogue. For this purpose, a specific form was distributed among the members, in order to include data for the monuments from each country. The same form was also sent to the Presidents of the National Groups for completion.

A scientific-information report on the collected data for the engineering geological problems of the monuments included in the UNESCO World Heritage Catalogue.

Suggestions for the period 2003-2006

- a) To complete the above mentioned work, and
- b) to establish an internet network for exchanging knowledge and providing publications on the aims of the commission No.16.

## Commission C 17 Aggregates – Granulats

### Commission Board

#### Chairman

Lars Persson  
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#### Secretary

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Fax : + 46 33 134516  
Mobile : + 46 70 5202551  
e-mail : [bjorn.schouenborg@sp.se](mailto:bjorn.schouenborg@sp.se)

### Date and venue of last meeting

The latest meeting was held in Durban, South Africa in September 2002.

### Next meeting

Next meeting will be at IMBS 2003 in Istanbul, Turkey 15-18<sup>th</sup> September, 2003. The activities at this conference are close to the activities of the Commission works. The theme is : "Industrial Minerals and Building Stones".

### Earlier meetings and workshops

The Commission has had information meetings at all official IAEG meetings in Kathmandu, Nepal, September 1999, at the 31<sup>st</sup> IGC meeting in Rio de Janeiro, Brazil, August 2000, at GeoEng2000 in Melbourne, Australia, November 2000, and at Aggregate 2001 in Helsinki, Finland, August 2001 and in Durban, September 2002.

An IAEG Commission meeting was organised in Sweden in April 27-28<sup>th</sup> 2000. The meeting and workshop

was held at the Swedish National Testing and Research Institute, SP in Borås, Sweden. Two main topics were treated :

- Mineralogy, texture, petrographic analysis and image analysis vs. technical analyses,
- geological description of aggregate resources. About 50 people took part.

The Commission took actively part in the IAEG meeting "Aggregate 2001", in Helsinki, Finland, August 2001. A meeting/workshop was held on 8<sup>th</sup> August.

### Activities

Work is continuously done to establish contacts in different countries. For the moment the Commission has contact persons from about 25 countries. However, information about many occasions were also sent to hundreds of other interested people.

The Commission is well established, although much work remains to be done.

Further work is going on concerning the establishment of the Commission.

A regionally based structure with a person acting as a contact/co-ordinator for different areas, e.g. each continent is tried to be attained, in an attempt to collect information on what is happening in these areas and to distribute IAEG news. In this way William Langer, USGS, USA (1), and Maria Heloisa Barros de Oliveira Frascá, Brazil (2), are responsible for North respectively South America.

- (1) : [blanger@usgs.gov](mailto:blanger@usgs.gov)  
(2) : [mheloisa@ipt.br](mailto:mheloisa@ipt.br)

There are certainly difficulties in the handling of Commissions and a text with some ideas and proposals of improvements of the IAEG Commission work in general was earlier delivered to the IAEG Board. The text was printed in IAEG News (Vol. 28, no 2, December 2000) but is also available on the web site. These problems are still a fact. Thus, it is necessary to realise that the work has to take some time as all mem-

bers and contact persons are busy and full-time working. Thus, much of the Commission work has to be done in leisure hours.

### Web site

The Commission has a web site : [http://www.sgu.se/hotell/iaeg/iaeg\\_e.html](http://www.sgu.se/hotell/iaeg/iaeg_e.html)

This has been created in order to have a fast communication with all interested people. Besides, it is possible to communicate with the contact persons and others. The web site has for example the following contents :

- all reports to the IAEG about information meetings are collected at the web site ;
- news are currently published ;
- a geodiary is published ;
- a form has been added to the web site where it is possible to deliver information on important Aggregate literature to the Commission. This information will be stored in a database, "Georegister", belonging to the Geological Survey of Sweden, SGU. There is a link to the "Georegister" at the web site ;
- a table has been created to collect production statistics on Aggregates from different countries ;
- important links are given to IAEG, other Commissions, Surveys, Societies, as well as to other sites giving information on bedrock materials, literature, databases, etc.

However, much remains to be done. The quality of the web site is highly depending on the activity of the members and others. During one year the web site is visited about 2 500 times.

### New planned publication/report

The work started in late 2001 after the Helsinki meeting. So far about 50 people from 25 countries have announced their interest. The work is planned to go on during 2002 and the first results will be discussed in Durban in September 2002. The planned structure of the report is the following :

*Title : "Geological Material Aspects for Construction Industry"*

- Part 1 : How to investigate and present aggregate resources (General aspects, Aggregate resources in different countries, Field investigations/methods, Geostatistics and spatial data analysis,

Exploration and environmental aspects, Marketing and presentation of information)

– Part 2 : Case studies and research in a context (Working towards functionally related testing of aggregates, Material properties, Tests for construction acceptance, Petrographic description, Durability tests, Validation-case studies)

– Part 3 : Quality control and statistical evaluation of aggregate products and production (Introduction, Quality control systems in different countries, Production control-certification, Statistical evaluation of the production,

Laboratory work, and Conformity criteria-test results vs. requirements). Part 1 is under work and some editing has been made. It was sent to all members in the beginning of this year and answers (changes, additions) are required the first months of this year. However, the response has not been too impressive. Part 2 is also under work. Atiye Tugrul has updated the part on weathering. Vincent Ledee and others in France are working on the environmental aspects. Phil-Paige Green and Bill Langer are checking part 2 before sending it to all members.

Part 3 has yet not started actively. Some contributions have been delivered. Björn Schouenborg is responsible for the work of this part.

#### Further work

An EOI was delivered last year to the EU: "Sustainable Development, Economy, Environment and Properties of Aggregates in Europe", AGREED. Some discussions have been made in order to cooperate with other projects like ECMICS and MASSES. Björn Schouenborg is responsible for this work.

### SIR JOHN KNILL † Internationally renowned engineering geologist

JOHN KNILL was an internationally renowned Engineering Geologist. He combined a career in education, public administration and industry.

In accepting the prestigious Hans Cloos Medal of the International Association of Engineering Geology and the Environment in 2002, following his delivery of the benchmark Inaugural Lecture, Knill acknowledged that parental guidance (his father had been Water Engineer and Manager for Croydon Corporation) directed him, first, to geology and then to engineering geology. He had worked around the world with and was known personally to the thirteen previous recipients of the medal.

He was educated at Whitgift School, Croydon where as a pupil and through his efforts Knill was instrumental in establishing a course in Advanced Level Geology. He was honoured by that establishment by being elected a Vice-President of the Old Whitgiftian Association in 1994.

On graduation from Imperial College, London he carried out his doctoral research in the Scottish Highlands and concentrated on the small-scale deformation of low-grade metamorphic rocks. He then carried out studies into the groundwater resources of Greater Tehran, and dam sites in the Alborz mountain range north of that city. The next thirty-one years were spent teaching and researching in engineering geology at Imperial College, London developing, in particular, an international MSc course. During this period he acknowledged the privilege it was to work closely with Michael de Freitas, Robert Chaplow, his first student of Engineering Geology, and Michael Rosenbaum.

From the very start, he had the opportunity to work directly as a consultant engineering geologist on engineering projects, particularly dam and tunnel schemes, which included Latiyan, Roseires, Cow Green, Cruachan, Ardingly, Tyne, and Lar. It is generally recognised that his particular interest in the environment stemmed from Knill's work on the hydro and engineering geology at Cow Green Dam, Durham. Indeed, his inaugural professional lecture was on the subject of "Cow Green re-visited". From this experience he learnt both the role of the engineering geologist, and the deficiencies in the systems that then existed to transfer geological information into meaningful engineering conclusions.

He met many industrial engineering geologists from whom he learnt much and of these he formed a special bond with the late Professor David Price, of Delft University, The Netherlands.

He confided that Imperial College, London recognised, in him, the characteristics of a good committee man and for many years he was deeply involved in administration becoming Head of Department and Dean of the Royal School of Mines.

Much of his time was also devoted to the creation of a professional ethos for geology in the United Kingdom. It was on Knill's instigation that the Institution of Geologists was established, a body set up to promote this professionalism for public benefit. The status of Chartered Geologist is now recognised throughout the world.

He also had an opportunity to see something of the role of science in Government, becoming Chairman of the United Kingdom's Radioactive Waste Management Advisory Committee, and a member of Nature Conservancy Council, responsible for the conservation of over 2000 special earth science sites.

It was not so much of a surprise, that with all this experience of academia, industry and government, he became Chairman and Chief Executive of the Natural Environment Research Council (1988-93).

His field based approach to Geology was reflected in his insistence of visiting all the institutes funded by NERC with an agenda ranging over geological, polar, ecological, freshwater, oceanographic and meteorological science. Colleagues recollect that a beard was the culmination of a visit south to view the work of the British Antarctic Survey.

In 1993 he returned to engineering geology, working mainly in dispute resolution, safety and risk in southeast Asia and the Middle East. His ability to ask searching questions in pursuit of the scientific facts was admired by his opponents at arbitrations worldwide.

He leaves a legacy at home to be seen on Britain's motorways, dams and within the Nuclear Waste industries and on projects worldwide. He was recipient of many prestigious awards in recognition of his services to Geology, which included the Whitaker Medal (1969) of the then IWEM, the Aberconway Medal (1989) of the

then Institution of Geologists, the William Smith Medal (1995) of the Geological Society of London and the Hans Cloos Medal (2002) of the IAEG. His service to science was recognised when he was knighted in 1994.

Knill fought cancer for many years but did not allow this to affect his enthusiasm for pursuing those things of which he felt passionate.

During a period of treatment he chaired the working group of the Geological Society of London to review its ancient Charter and prepare a well thought out report on modernisation of that body but without change to the original Royal Charter.

On moving to Newbury, by way of recreation, he established a vineyard that combined his interest in good wine and the effect of geology and slope aspect to viticulture. The evidence he gathered that his vineyard was located on drumlins (a glacial feature) was compelling. But, alas, a paper showing that the glaciers

of the last ice age extended further south than is generally accepted was not completed at the time of his death. Knill's other hobbies included model earthwork equipment, toy soldiers and computer games. A colleague remembers his insistence at being Napoleon in a Battle of Waterloo simulation with a rather different outcome !

Knill is survived by his wife Diane, whom he married in 1957, and their son and daughter.

Sir John Knill, Emeritus Professor of Engineering Geology, former Chairman of NERC was born on November 22, 1934. He died of cancer on December 31, 2002, aged 68.

Rodney Chartres

About the *Bulletin of Engineering Geology and the Environment*, the official journal of the IAEG  
*À propos du Bulletin of Engineering Geology and the Environment, journal officiel de l'AIGI*

Since Springers have taken over the publication of the Bulletin, the quarterly issues are distributed regularly in February, May, August and November. In addition, subscribers can access up-coming papers on-line, prior to their publication in the hard copy journals.

From the Springer's website ([www.springerlink.com](http://www.springerlink.com)) you can access the contents pages of current and past issues and can also order a free sample copy of the Bulletin. You will see from the web site that the Bulletin includes papers on a wide range of topics of interest to engineering geologists, with contributions from all over the world.

All IAEG members have the opportunity to upgrade their subscription to include four copies of the Bulletin each year at a special low price. Although each National

Group will set its own cost of membership with Bulletin, the copies are sent direct from Springers to the individual subscribers rather than through the National Group, thus minimising any delay in receipt.

By including the Bulletin as part of your IAEG subscription, you will not only have the advantage of reading the papers but will be helping to raise the profile of engineering geology and hence the international association. Again, citing papers published in the Bulletin will greatly help increase the awareness of readers from related disciplines of the work of engineering geologists and the Association.

Brian Hawkins, editor-in-chief / rédacteur-en-chef

## Urban geology and planning – a new website

The Urban Geology Working Group was set up by the Commission on Geological Sciences for Environmental Planning (Cogeoenvironment) of the IUGS with the aim of disseminating information on geoscience in the service of urban planning and management. It had joint sponsorship from the IUGS, IAEG and IAH. Under the chairmanship of Ed de Mulder a number of initiatives came to fruition, including a book on urban geoscience (de Mulder, E F G; McCall, G J H and Marker, B R 1998 Urban Geoscience. Balkema, Rotterdam) aimed, essentially, at an undergraduate and graduate audience. This has sold well and remains in print. Subsequently Ed became the president of IUGS and had to relinquish the chair of the Urban Working Group. Brian Marker took over the chair and mapped out a new work programme in liaison with Dr Joy Pereira at the Institute for Environmental Planning (LESTARI), University Kebangsaan Malaysia and Dr Imasiku Nyambe of the School of Mines in the University of Zambia. The resulting initiative subsequently received funding of \$ 20,000 from IUGS. The current work programme consists of the preparation of :

- an urban geoscience and planning website ;

- a booklet and set of leaflets aimed at audiences particularly in the developing countries ; and
- a book on urban geoscience aimed at the general public.

The core of the website, hosted by LESTARI, became "live" in February 2003. This provides information, presented at a widely accessible level, on urban geoscience and on urban planning and management. In addition to text and photographs on key topics each section contains references to source books and links to other relevant websites. The site will be improved and expanded regularly. You are encouraged to contribute to the site in a wide variety of ways. We need case studies, reviews, reports of conferences and other meetings, and illustrations. The site contains full information on the initiative, contributing, and membership of the Working Group. The address of the site is [www.urbangeology.ukm.my](http://www.urbangeology.ukm.my) Periera, Nyambe and Marker are now working on the booklet and leaflets and hope to complete these towards the end of 2003.

Brian Marker, chairman of the Urban Geology Working Group