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**Curso Latinoamericano de Metalogenia**

**UNESCO-SEG-SGA in Antofagasta (Chile)**

**6th to 17th June, 2006**

The 2006 edition of the UNESCO-SEG-SGA Latin American Course on Metallogeny will be held at the Universidad Católica del Norte (Chile) from 6th to 17th June 2006. The course is sponsored by the UNESCO, SEG and SGA with the confirmed support of the KFSE-COSUDE, Universidad Católica del Norte, IGME, Placer Dome, and several mining companies and local institutions. The course will focus on the geology and geochemistry of mineralization related to orogenic magmatism, the geochemistry of hydrothermal processes and the geology and genesis of porphyry-, epithermal and IOCG ore forming systems. International instructors that have confirmed include Thomas Bissig (Universidad Católica del Norte), Eduardo Campos (University of Concepción), Larryn Diamond (University of Bern), Lluís Fontboté (University of Geneve), Diego Morata (Universidad de Chile), Fernando Tornos (Instituto Geológico y Minero de España) and Richard Tosdal (University of British Columbia). A six day field trip to major IOCG, porphyry and epithermal deposits of the northern Chile will follow the theoretical classes.

UNESCO, KFSE-COSUDE, SEG, SGA and Placer Dome fund grants for covering costs of Latin American students.

More information about the course, the detailed program and the application forms are posted in the website [http://www.unige.ch/sciences/terre/mineral/seminars/latinometal.html](http://www.unige.ch/sciences/terre/mineral/seminars/latinometal.html)

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**SGA Short Course**

**Gold Mineral Systems**

**GeoZentrum Munich, Germany**

**6-9 June 2006**

“Hands-on” Short Course

(Lectures and Laboratory Sessions) Introduction to Gold Mineral Systems including Exploration Strategies

*Lecturers:*

Steffen Hagemann (Perth, UWA-CET) — Orogenic & Intrusion-related Gold
Robert Marschik (Munich, LMU) — Iron-Oxide-Copper-Gold
Robert Moritz (Geneva, U) — Epithermal Gold
Hartwig Frimmel (Würzburg, JMU) — Witwatersrand Gold
H. Albert Gilg (Munich, TUM) — Geochemistry of Gold and Gold-bearing Fluids

*FEES:*

- **Students:** 100 Euros
- **Industry (SGA members):** 400 Euros
- **Industry:** 450 Euros

Detailed information: [www.geo.tum.de/gms2006](http://www.geo.tum.de/gms2006) or Albert Gilg: agilg@mytum.de
GEOCHIM Courses celebrate their 30th Anniversary: 1975-2005

Jan Pašava
Czech Geological Survey, Prague, Czech Republic

Introduction

It has been tradition to organize very successful UNESCO Postgraduate Courses on Geochemical Prospecting Methods in the former Czechoslovakia from mid 70’s. The first certificated course - GEOCHIM PRAHA UNESCO 1975 was launched on September 5, 1975. Since that time this course has been organized biannually by the Czech Geological Survey in Prague together with the Dionýz Štúr Geological Survey in Bratislava and sponsored by the Division of Earth Sciences (UNESCO/Paris) and the International Association of Geochemistry and Cosmochemistry (IAGS). The course was specialized on both theoretical and practical training in classical geochemical prospecting methods.

The major political and economic changes initiated in 1989 and which led to a split up of the former Czechoslovakia into two independent countries - the Czech and Slovak Republic have had a significant impact on the evolution of earth sciences and related mining activities. Following decades of extensive exploration programmes and also underground and surface exploitation, new policies have been formed which will result in a more responsible approach to the environment.

A very old and famous prospecting and mining tradition, coupled with a strong emphasis on environmental issues, are reflected in the character of a newly recovered certificated GEOCHIM Postgraduate Training Course, which has been organized by the Czech Geological Survey jointly with UNESCO and SGA. This course offers more complete view, showing how classical geochemical prospecting methods can be successfully used in the solution of various environmental problems.

From 1999 through 2004 six courses were organized and 81 participants representing over 30 mostly developing countries were trained both theoretically and practically in the geochemical exploration methods and their environmental applications.

GEOCHIM/UNESCO/SGA 2005

This, already seventh course was held in Prague and Dolní Rožínka (Czech Republic) from September 5-19, 2005 and fourteen participants (of whom 8 were female) from Egypt, Iran, Macedonia, Mongolia, Morocco, Namibia, Peru, Republic of South Africa, Romania, Russia, Ukraine participated in the course activities. The course was organized by the Czech Geological Survey and Society for Geology Applied to Mineral Deposits (SGA) under the auspices of the Ministry of the Environment, Czech Republic, Czech Commission for UNESCO and the Czech IGCP National Committee and financially sponsored by the Czech Geological Survey, Division of Ecological and Earth Sciences - UNESCO/Paris (through the contract no.45000 26126), North Bohemian Mines j.s.c., Czech Commission for UNESCO and Society for Geology Applied to Mineral Deposits (SGA).

It should be noted that the course was officially launched on September 6th, 2005 in the headquarters of the Czech Geological Survey in Prague by opening speeches delivered by Mr. M. Pastvinský (Director, Department of Global Relations, Ministry of the Environment, Czech Republic), Mr. K. Komárek (Executive Secretary, Czech Commission for UNESCO), Mr. Jakub Hruška (Deputy-Director, Czech Geological Survey), Mr. Z. Kukal (the former Director of the Czech Geological Survey) and Mr. J. Pašava (Director, Geochem Courses and SGA Executive Secretary).

Lectures, seminars and practical field training started on September 7th, 2005 in Dolní Rožínka and included the following subjects: (1.) Introduction to the geochemical prospecting methods, (2.) Principles of environmental geochemistry, (3.) Principles of analytical methods, (4.) Heavy minerals prospecting and evaluation of HM concentrates with environmental applications, (5.) Stream sediment prospecting with environmental applications, (6.) Soil prospecting with environmental applications, (7.) Biogeochemical prospecting with environmental applications, (8.) Lithogeochemical prospecting, (9.) Hydrogeochemical prospecting with environmental applications, (10.) Geophysical prospecting methods with environmental application and radon risk, and (11.) Computer modeling of prospecting and environmental data. The programme also included two invited lectures. B. Orberger (France) covered various issues related to the formation and use of BIF in the world while C. Quantin (France) talked about Cr in tropical soils and agricultural products.

Individual lectures covering various geochemical methods, which were presented during morning sessions, were followed by afternoon practical field and computer training. The underground visit to the uranium mine as well as processing plant and remediated sites at Dolní Rožínka (Moravia) and also full day field trip observing surface lignite mining operations and examples of various types of remediation in the North Bohemian Coal Basin (North Bohemia) were a part of this course. The aim of these visits was to demonstrate possible ways of effective usage of geochemical methods in both prospecting and environmental fields.

The following special textbooks were prepared for the purpose of the GEOCHIM Postgraduate Training Course on the Geochemical Prospecting Methods and Their Environmental Applications:


Conclusions and future plans

It is apparent that renewed GEOCHIM Courses have become very popular among geoscientists from especially developing
countries. Many participants very highly appreciated both organization and scientific level of the course through their personal letters mailed either to organizers or to Mr. R. Missotten from the Division of Ecological and Earth Sciences, UNESCO, Paris.

Moreover, the organizers have already started seeking funds for GEOCHIM 2006, which should be organized in September 2006, if sufficient funding available.

Acknowledgements

On behalf of the Organizing Committee, I wish to extend best thanks to the following sponsors for their financial and/or moral support:

- Czech Geological Survey in Prague, Czech Commission for UNESCO, Division of Ecological and Earth Sciences, UNESCO (Paris)
- Severočeské doly, a.s. (North Bohemian Mines, j.s.c.)
- Society for Geology Applied to Mineral Deposits (SGA)

It would not have been possible to organize this course without efforts of members of the Organizing Committee (D. Mašek, R. Cadská, V. Bláha and J. Tesar from the Czech Geological Survey in Prague) as well as considerable understanding of the management of the DIAMO/GEAM State Enterprise in Dolní Rožínka. The leadership of the North Bohemian Mines j.s.c (Severočeské doly a.s., Chomutov) also supported our activities. Mr. R. Missotten and Mrs. Y. Berenguer from the Division of Ecological and Earth Sciences/UNESCO helped to get the course funded through the UNESCO administration. Last, but not least I wish to thank all authors who contributed to the updated textbook and to all lecturers. More information on the GEOCHIM 2005 Postgraduate Course is available at http://www.geology.cz/host/geochim.htm or from pasava@cgu.cz or masek@cgu.cz

Dr. Jan Pašava
Director of GEOCHIM Courses
Czech Geological Survey
Klárov 131/3
118 21 Praha 1
Czech Republic
phone/fax: +420-2-51817390
e-mail: pasava@cgu.cz
Aims of the course
Certificated postgraduate course aims at providing knowledge of important geochemical methods widely used in the prospection for ore deposits and at showing their applications in the solution of environmental problems. Individual lectures covering various geochemical methods will be accompanied by practical field and also computer training. The course will be followed by a 3 day field trip visiting ongoing open and underground mining operations and processing plants as well as abandoned mining sites with the aim to demonstrate possible ways of effective usage of geochemical methods in both exploration and environmental issues.

Contents of the course
Principles of exploration and environmental geochemistry, stream sediments, heavy minerals, biogeochemical, lithogeochemical, hydrogeochemical, geo-physical and radiometric studies with practical field and computer training.

Language of the course
English.

Other information
For technical reasons, the number of participants has to be restricted to 15 persons. Tuition fees including the cost of printed handouts is USD 100 for university postgraduate students, USD 200 for personnel from state agencies such as geological surveys and USD 400 for staff members of private companies. The organizers will cover accommodation, travel and meals during the course so that no per diems are provided. International travelling to Prague is not included. A diploma will be awarded to each successful participant.

Insurance
No travel insurance will be organized for any of the course participants. All participants are reminded that they should organize their own personal insurance for all aspects of the course and field excursions. The organizers shall accept no responsibility whatsoever for any damage, loss, personal injury or death suffered by any participant during the course and associated field excursions.

Place
Prague (2 days), Dolní Rozínka - Hotel Duo (40 km North of Brno).

Duration 4 - 18 September 2006

Application procedure
Applicants must have a good knowledge of English and the fundamentals of geochemistry. A BSc degree or equivalent is the minimum requirement. The application form together with a short CV should be sent to organizers not later than March 15, 2006. Letter of acceptance with detailed programme, travel and payment instructions will be sent to selected applicants during May 2006.

Deadline for application: March 15, 2006

Contact address:
GEOCHIM 2006
Dr. Jan Pasava
Czech Geological Survey
Geologická 6
phone: +420-251085506
fax:+420-251818748
e-mail: pasava@cgu.cz
masek@cgu.cz

GEOCHIM 2006
Training Course in Geochemical Exploration Methods and their Environmental Applications
Prague and Dolní Rozínka, Czech Republic
September 4-18, 2006

APPLICATION FORM

Name ............................................................
Surname .......................................................
Date of birth ................................................
Passport N. ..................................................
Obtained Degree(s) .....................................
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Present position ...........................................
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Institution ....................................................
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Contact address ...........................................
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E-mail ..........................................................
Home address ..............................................
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Male  ☐  Female ☐
Date ..........................................................
Signature .....................................................

Return by 15 March 2006
2006

March 26-29
18TH INDUSTRIAL MINERALS INTERNATIONAL CONGRESS, The Palace Hotel, San Francisco, USA – Contact address: fax: +22 (0)20 7827 5292; e-mail: conferences@indmin.com; website: www.indmin.com

April 2-7
EUROPEAN GEO SCIENCES UNION (EGU), General Assembly. Vienna, Austria – Contact address: EGU Office, Max-Planck-Str. 13, 37191 Katenburg-Lindau, Germany; phone: +49-5556-1440; fax: +49-5556-4709; e-mail: egu@copernicus.org; website: www.copernicus.org/EGU/egu_info/prevga.html

April 3-7
BACKBONE OF THE AMERICAS - PATAGONIA TO ALASKA, International Conference, Convener by the Geological Society of America and the Asociación Geológica Argentina, Mendoza, Argentina – Contact address: GSA Meetings Dept., P.O. Box 9140, Boulder, CO 80301-9140, USA; phone: +1 303 447 2020; fax: +1 303 447 1133; e-mail: meetings@geosociety.org; website: www.geosociety.org/meetings/06boa/index.htm

April 5-16
MODULAR COURSE IN EXPLORATION FOR MAGMATIC ORE DEPOSITS, Sudbury, Ontario, Canada. Information: contact Michael Lether, Mineral Exploration Research Centre, Department of Earth Sciences, Laurentian University, 933 Ramsey Lake Road, Sudbury, ON, Canada, P3E 6B5; Ph: +1-705.675.1151 x2364; fax: +1-705.675.4898; e-mail: mlesher@laurentian.ca; website: http://www.earthsciences.laurentian.ca

May 14-16
SOCIETY OF ECONOMIC GEOLOGISTS. “WEALTH CREATION IN THE MINERALS INDUSTRY.” (2006 CONFERENCE). Keystone, Colorado, USA – Contact address: e-mail: seg2006@segweb.org; website: http://www.segweb.org/meeting.htm

May 14-17

May 14-18
INTERNATIONAL CONFERENCE ON CONTINENTAL VOLCANISM, IAVCEI 2006, Guangzhou, China Contact address: e-mail: cllan@cashq.ac.cn; website: www.iavcei2006.org

May 15-17

May 17-21
GEOFLUIDS V: Fifth international conference on fluid evolution, migration and interaction in sedimentary basins and orogenic belts, Windsor, Canada – Contact address: e-mail: geofluids5@uwindsor.ca; website: http://www.geofluids5.org/

June 12-17
WALKER MEMORIAL MEETING: Advances in Volcanology, Volcanic and Magmatic Studies Group, Mineralogical Society. Reykhol, Iceland – Contact address: e-mail: stephen.self@open.ac.uk; website: www2.norvol.hi.is/page/nordvul_walker

July 2-7

July 23-28
19TH GENERAL MEETING OF THE INTERNATIONAL MINERALOGICAL ASSOCIATION (IMA2006-Kobe): Expansion to Nano, Bio, and Planetary Worlds, Kobe, Japan – Contact address: Secretariat 19th General Meeting of the International Mineralogical Association, c/o Congress Corporation, 3-6-13 Awajirimachi, Chuo-ku, Osaka 541-0047, Japan; phone: +81-6-6229-2555; fax: +81-6-6229-2556; e-mail: 2006ima@congre.co.jp; website: www.congre.co.jp/ima2006

August 20-24
9th BIENNIAL SGA MEETING, Dublin, Ireland - Contact address: Elva Hickey or Nicola Mc Grane, Conference Partners Ltd, 96 Haddington Road, Ballsbridge, Dublin 4; phone: +353 1 6677188; fax: +353 1 6643701; e-mail: elva@conferencepartners.ie; nicola@conferenepartners.ie. Scientific Programme and General Enquiries: Gerry Stanley, Geological Survey of Ireland; e-mail: gerry.stanley@gsi.ie; website: http://www.cpregistrations.com/sga2007

October 22-25
GEOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING, Philadelphia, Pennsylvania, USA – Contact address: GSA Meetings Department, P.O. Box 9140, Boulder, CO 80301-9140, USA; phone: +1 303 447 2020; fax: +1 303 447 0648; e-mail; meetings@geosociety.org; website: http://www.geosociety.org/meetings/index.htm

2007

August 27-September 1
16TH ANNUAL V.M. GOLDSCHMIDT CONFERENCE, Melbourne, Australia – Contact address: e-mail: goldschmidt2006@tourhosts.com.au; website: http://www.goldschmidt2006.org

September 25-30
7TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL GEOCHEMISTRY (ISEG), Beijing, PR China – Contact address: Conference Secretariat, Institute of Geochemistry, Chinese Academy of Sciences, No. 46 Guanshui Road, Guiyang, Guishou 550002, China; e-mail: iseg2006@sohu.com; website: www.iseg2006.com

October 22-25
GEOLOGICAL SOCIETY OF AMERICA ANNUAL MEETING, Denver, Colorado, USA – Contact address: GSA Meetings Department, P.O. Box 9140, Boulder, CO 80301-9140, USA; phone: +1 303 447 2020; fax: +1 303 447 0648; e-mail; meetings@geosociety.org; website: http://www.geosociety.org/meetings/index.htm

2008

August 5-14

* marks a new entry

>>> FORTHCOMING EVENTS <<<

* May 14-17

* May 15-17

* September 25-30
7TH INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL GEOCHEMISTRY (ISEG), Beijing, PR China – Contact address: Conference Secretariat, Institute of Geochemistry, Chinese Academy of Sciences, No. 46 Guanshui Road, Guiyang, Guishou 550002, China; e-mail: iseg2006@sohu.com; website: www.iseg2006.com

* August 20-24
9th BIENNIAL SGA MEETING, Dublin, Ireland - Contact address: Elva Hickey or Nicola Mc Grane, Conference Partners Ltd, 96 Haddington Road, Ballsbridge, Dublin 4; phone: +353 1 6677188; fax: +353 1 6643701; e-mail: elva@conferencepartners.ie; nicola@conferenepartners.ie. Scientific Programme and General Enquiries: Gerry Stanley, Geological Survey of Ireland; e-mail: gerry.stanley@gsi.ie; website: http://www.cpregistrations.com/sga2007

* August 5-14

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