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IUGS E-BULLETIN (NO. 46, DECEMBER 2009)  
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#### TRANSFER OF THE IUGS SECRETARIAT

The office of the IUGS Secretariat will transfer from the Geological Survey of Norway to the US Geological Survey. From 1 January 2010, the contact details of the new office will be: IUGS Secretariat, MS-917, US Geological Survey; 12201 Sunrise Valley Drive; Reston VA 20192, USA. email: [IUGS@usgs.gov](mailto:IUGS@usgs.gov). The IUGS extends special thanks to the Ministry of Trade and Industry of Norway for financial support of the office of the IUGS Permanent Secretariat which has been hosted by Geological Survey of Norway since 1989.

#### NEW IUGS AFFILIATES

The IUGS is pleased to announce that the European Geopark Network (EGN) <<http://www.europeangeoparks.org>>, and the Italian Federation of Earth Sciences (FIST) <[www.geoitalia.org](http://www.geoitalia.org)> have both been ratified as IUGS Affiliated Organizations.

#### VALE - PROFESSOR TIMOTHY COOPER PARTRIDGE. (7/12/1942-8/12/2009)

Timothy was a world renowned palaeo-anthropologist, geologist, and climatologist with the University of the Witwatersrand, and an active member of the IUGS Publications Committee, and INQUA. He died at Balgowan, in KwaZulu-Natal. The IUGS extends condolences to his family, and friends.

#### NEW IUGS STRATEGIC PLANNING COMMITTEE

The IUGS has established a new Strategic Planning Committee (SPC) with the primary role of providing recommendations to the IUGS Executive Committee on identification and ranking of new opportunities for IUGS in changing internal and external scenarios. This will involve the SPC in: analysing IUGS commissions, task groups, joint programs, and affiliate members, with regard to their visions, strategies, structures and missions; identification of organizations, programs and projects in fields having some type of relation to those covered by IUGS and with open possibilities for interaction; and evaluation of progress. The members of the SPC under the Chairmanship of Atilio Boariani (Ex-IUGS Secretary General, President 32 IGC) are: Kristine Asch (CGI Chair), Jacques Charvet (IUGS Vice President), Peter Cook (CO2CRC Chief Executive), Stan Finney (ICS Chair), Ochir Gerel (IUGS Vice President), Gary Lewis (COGE Chair), Kevin Telmer (GEM Chair).

#### PLANET EARTH LISBON EVENT 2009 (PEL 2009)

The Planet Earth Lisbon Event 2009 (PEL 2009) was held in Lisbon, Portugal, between 19 and 22 November 2009. The main aim of PEL 2009 was to bring together scientists, politicians and industrial leaders to celebrate the closing of the International Year of Planet Earth (IYPE) triennium (2007-2009), to evaluate the results of the IYPE, and to look ahead.

Before the official opening of the PEL 2009, there was a meeting of the Board of Directors of the IYPE, where the status and achievements of this initiative were exposed discussed. The Board It was ratified the termination date of the IYPE as 30 June 2009, although possible future activities which could be build upon the IYPE legacy were mentioned, among them the possible creation of a "Planet Earth Institute". The Board concluded that with the termination of the IYPE in June 2009, all these initiatives were beyond its mandate and responsibilities, although any future activity on issues considered to be part of the IYPE legacy were open to be decided, either by each one of the Earth science organizations which were involved in the IYPE, or jointly by some, or of/all by all of them.

Three important themes were addressed by PEL 2009: Renewable Energy, Sustainable Land & Water Management, and Planet Ocean, all them close to the earth IYPE. Each of these themes was addressed by a select panel of speakers and highlighted the perspectives of politics, science and industry. These fundamental themes were supplemented by four additional conferences devoted to: National IYPE, Youth and Earth, IYPE International Partners, and Planet Earth Africa. Additionally there was an excellent presentation on the OneGeology initiative.

During the PEL 2009 an exhibition was open in the "Knowledge Pavilion" where the Portuguese Committee for IYPE invited twenty-five members, sponsors, and partners, all with an outstanding achievements during the three IYPE years, to share with all visitors, their activities, educational projects and other events, accompanied by the sound of the beautiful Portuguese traditional music. The whole PEL 2009 event was promoted through a variety of opportune outreach activities and materials, including an excellent book where the activities of IYPE members and National

Committees were summarized. The Event organizers emphasized the important role for the next generations in reaching the sustainable development goals of the United Nations by inviting two students from each of the 80 nations participating in the IYPE. During an Award Ceremony, a number of awards were presented to several organizations - including IUGS - and the most active and successful IYPE National Committees. The actual awards were represented by parts of a gigantic World mosaic-map hand-made by Portuguese artists.

The PEL 2009 was held at the invitation of the Government of Portugal, and was organized by IYPE, the Portuguese National Committee for IYPE, and Bombazine - a professional event organizing company. As mentioned by the IUGS President in the Lisbon Event Opening Ceremony, it was no coincidence casual that this event was held in Portugal, a country that during the Sixteenth Century, through its outstanding geographic discoveries, opened new opportunities for the future of Humankind. The Lisbon Event in Portugal has now contributed to a forward look, under the banner "Planet Earth: Present for the Future!"

#### THE IUGS AND THE IYPE LEGACY

As informed in another section of this Bulletin during the International Year of Planet Earth Board of Directors meeting (Lisbon, 19 November) it was concluded that the IYPE will be terminated on June 30, 2010 and that a discussion on future activities of related programs was beyond the responsibility of the IYPE, and that any future activity on issues considered to be part of the IYPE legacy will have to be decided, either by each one of the Earth science organizations which were involved in the IYPE, or jointly by some of them, or by all of them. This issue has been discussed in a series of previous meetings with participation of representatives of different organizations, the last one being held in San Francisco, USA, at the AGU meeting, on December 14, and the issue will probably be considered again during a meeting to be held in Paris next April 2010, by all of the ICSU GeoUnions, including IUGS. The issue will also be discussed again during the next IUGS Executive Committee meeting in Paris (February 22-25, 2010), where Prof. Ed de Mulder has been invited to present his ideas on "The Planet Earth Institute".

The comments below from the IUGS President summarize some of the IUGS discussions to date on issues related to the IYPE legacy: 1) The IUGS is in favor of using the momentum generated by the IYPE in order to promote, in partnership with other international organizations (e.g. UNESCO, ICSU, GeoUnions), well studied and coordinated geoscientific activities; 2) Science Initiative: This matter is still not clearly defined, as no concrete initiative has been proposed thus far. The IUGS is promoting through UNESCO a GeoUnions discussion meeting on this issue for April 2010, when the GeoUnions will meet in Paris to participate in an ICSU Unions meeting; 3) Outreach initiative: the Planet Earth Institute. This issue will be considered by the IUGS Executive Committee at its next annual meeting. Dr. Ed de Mulder has been invited to inform on this new initiative; 4) On the IYPE National Committees. In principle the IUGS Executive Committee meeting in Sydney (January 2009) considered that perhaps they should revert to their previous status and merge with IUGS National Committees, although the final decision will be made by the National Committees; 5) UNESCO Initiative for Earth Science Education in Africa. IUGS is a partner, together with UNESCO, CGMW, CIFEG, GSAf and AAWG in this initiative. The IUGS is most interested in promoting Earth science education and geoinformation, and in the transference of knowledge and information from developed to developing countries; 6) OneGeology initiative. IUGS supports this initiative, as an ex-officio member of its Steering Committee, and is seeking ways to promote geostandards of world-wide acceptance which could be used by the OneGeology project; 7) Young Earth Scientists (YES) network. In principle IUGS is ready to support this initiative, which needs to be more clearly defined with regard to its possible goals, structure, and finances.

#### AWARD TO IUGS

During the Planet Earth Lisbon Event 2009 (PEL 2009), Lisbon, Portugal, 19 -22 November 2009) the International Union of Geological sciences, received a special Award in the Award Ceremony held on Camões Theatre, on 20 November 2009. The IUGS was rewarded as one of the two initiators – the other was UNESCO – for all the support it gave to IYPE throughout the years. The award consisted of a framed part of a gigantic World mosaic-map, which was hand made by Portuguese artists.

#### IUGS ACCEPTED AS A PARTICIPATING ORGANIZATION IN THE GROUP ON EARTH OBSERVATIONS

The IUGS is pleased to inform that it was recognized as a Group on Earth Observations (GEO) participating Organization at the GEO-VI Plenary Session in Washington, 17 November 2009. The GEO is a voluntary partnership of governments and international organizations. Membership in GEO is open to all member States of the United Nations and to the European Commission. GEO Members currently include 80 Governments, the European Commission, and an additional 58 intergovernmental, international, and regional organizations, with a mandate in Earth observation or related issues. Participating Organizations include, among others, ICSU and UNESCO (including the UNESCO-IUGS joint

program GARS), as well as some ICSU GeoUnions. The GEO is coordinating international efforts to build a GLOBAL OBSERVATION SYSTEM OF SYSTEMS (GEOSS), with the aim of constructing a global public infrastructure for Earth observations that, like the Internet, will consist of a flexible and distributed network that connects users to existing data bases and portals and provides reliable, up-to-date and user friendly information. GEOSS is simultaneously addressing nine areas of critical importance to people and society: Disasters, Health, Energy, Climate, Biodiversity, Agriculture, Ecosystems, Water, and Weather. See <<http://www.earthobservations.org/index.html>>.

#### REQUEST FOR ASSISTANCE IN DEVELOPING THE 50-YEAR HISTORY OF THE IUGS (IUGS-50).

In early 2009 the IUGS announced a plan to create their 50th anniversary history for the period 1961-2011. An IUGS-50 book is planned and a travelling exhibition might be developed for 2011 and beyond. Australian INHIGEO member Dr Susan Turner has been asked to help prepare a 50th Anniversary history which will have chapters on aspects of IUGS work written by different authors. She recently spent some time assessing the state of the IUGS archives held at the Norwegian Geological Survey in Trondheim. Taped conversations with personal history and stories of the people who have been involved at high level with IUGS bodies are providing a very direct way of understanding the past workings of the Union, and are proving to be an important oral archive being built to assist the development of IUGS-50. Dr Turner would like all IUGS National Committees to see if they can assist with building the IUGS history by taping such historical discussions with senior former IUGS colleagues. If you can assist in this recording process some of the types of questions to ask such senior colleagues who were previously involved at high level with IUGS bodies are: *What work did they do for IUGS?; What brought them to work for IUGS, or to hear about the IUGS programmes (such as IGCP); Had they attended the 1960 IGC where IUGS was finally initiated?; Who had been involved with the foundation process in 1960-1961?; Do they have memories, stories or anecdotes to share about their time with IUGS?* For further information about this recording program please email Dr Turner at [paleodeadfish@yahoo.com](mailto:paleodeadfish@yahoo.com).

#### PUBLICATIONS, JOURNALS AND NEWSLETTERS

##### EPISODES - NEW WEBSITE

Now that the IUGS magazine Episodes is published in India it has a new website address at <<http://www.episodes.co.in>>. The website also contains information on the editorial contact address, subscriptions, and the email address for sending manuscripts etc. Bookmark this new address in your computer.

--The International Council for Science (ICSU) - the non-governmental organization representing a global membership that includes both national scientific bodies (117 members) and international scientific unions (30 members) including the IUGS - produces their newsletter "Insight" that is available at:

<[http://www.icsu.org/2\\_resourcecentre/RESOURCE\\_list\\_base.php4?rub=12](http://www.icsu.org/2_resourcecentre/RESOURCE_list_base.php4?rub=12)>

--The International Association of Hydrologists (IAH) newsletter "IAH Groundwater eNews" is available at:

<[http://www.iah.org/news\\_eneews.asp](http://www.iah.org/news_eneews.asp)>.

--The International Erosion Control Association (IECA) journal "Erosion Control" is available at: <<http://www.ieca.org>>.

--The International Geographical Union (IGU) - Union Géographique Internationale (UGI) Quarterly E-Newsletter is available at: <<http://www.homeofgeography.org/>>

--The International Union for Quaternary Research (INQUA) newsletter "Quaternary Perspectives" is available at:

<[http://www.inqua.tcd.ie/publications\\_quaternary\\_perspectives.html](http://www.inqua.tcd.ie/publications_quaternary_perspectives.html)>

--The International Union of Geodesy and Geophysics (IUGG) electronic Journal is available at:

<<http://www.iugg.org/publications/ejournals>>.

--The International Union of Soil Sciences (IUSS) Bulletin is available at: <<http://www.iuss.org/index.htm>>.

--UNESCO Global Geoparks Network - keep up to date with current activities at

<<http://www.globalgeopark.org/publish/portal1/tab59/>>

-- The inaugural issue of the International Geosphere-Biosphere Programme (IGBP) "Global Change" magazine (which takes over from IGBP's newsletter) is now available for download. Articles span a wide range of topics, including:

recent carbon-cycle research, planetary boundaries, the global carbon budget, and China's urban emissions.  
<<http://www.igbp.net/page.php?pid=231>>

--Springer's Environmental Journals - Free Access to latest issues. The Springer Environmental Sciences Reading Room is a free service that provides unlimited access to Environmental journals, 6 times a year. Go to: <<http://sci.scientific-direct.net/c.asp?814564&a0979e101192e124&3>>

--The Earth Portal website includes a free weekly newsletter that you can view at:  
<<http://www.earthportal.org/news/>>.

--The "Earth Science India e-Journal" is now available on the web at: <<http://www.earthscienceindia.info/>>. This open access quarterly e-journal is a not-for-profit website under the umbrella of The Society of Earth Scientists and is devoted to the development of Earth/Environmental Sciences of India.

--Earthscan, has a new journal "Environmental Hazards" addressing the full range of extreme geological, hydrological, atmospheric and biological hazard events. For more information see: <<http://www.earthscan.co.uk/?tabid=37213>>. For Enquiries email to: [journals@earthscan.co.uk](mailto:journals@earthscan.co.uk).

--ProGEO The European Association for the Conservation of the Geological Heritage publishes a quarterly newsletter ProGEO NEWS available online at <<http://www.progeo.se/index.html>>.

--The latest International Geosphere-Biosphere Programme NEWSLETTER can be downloaded at:  
<<http://www.igbp.net/page.php?pid=231>>.

--The National Ground Water Association (NGWA) of the USA hosts an ongoing series of events and educational courses. For information visit their website at <<http://www.ngwa.org/DEVELOPMENT/index.aspx>>.

--The book "PaleoParks - The protection and conservation of fossil sites worldwide" by Jere H. LIPPS & Bruno R.C. GRANIER (Special Editors) is available free. See: <[http://paleopolis.rediris.es/cg/uk-bookmarks.html#CG2009\\_BOOK\\_03](http://paleopolis.rediris.es/cg/uk-bookmarks.html#CG2009_BOOK_03)>.

--The Geological Societies Africa (GSAf) website has the Newsletters/Bulletins of Eastern Africa GSAf, Northern Africa GSAf, Southern Africa GSAf, and Western Africa GSAf. Go to:  
<<http://www.geologicalsocietyofafrica.org/news/newsletter/>>. To receive the GSAf newsletters via email contact Dr. Abdelkader Saadallah at: [kader@saadgeo.com](mailto:kader@saadgeo.com). GSAf website: <<http://www.geologicalsocietyofafrica.org>>.

## FORTHCOMING MEETINGS

For a listing of forthcoming geoscience meetings, conferences, and workshops of interest check the Calendar section of the IUGS website: <<http://www.iugs.org/Calendar.html>>.

January 5-7, 2010. Fifth International Conference on Geology of the Tethys Realm. South Valley University, (Qena - Luxor, Egypt). Addressing: Precambrian and Phanerozoic Geology; Quaternary geology and Geo-Archeology; basin analysis with emphasis on their petroleum, gas, minerals and water resources; geophysical exploration; environmental geology. Web: <<http://www.tgs-international.com/>>.

February 4-7, 2010. 6th International Dyke Conference. held at Department of Geology, Banaras Hindu University, Varanasi, India. Theme: "Dyke swarms: Keys for Geodynamic Interpretation". Web: <<http://idc6.igpetbhu.com>>. Contact person: Dr. Rajesh K. Srivastava, Professor of Geology, Banaras Hindu University, Varanasi 221 005, India. Email: [6idc2010@gmail.com](mailto:6idc2010@gmail.com), [or\\_rajeshgeolbhu@gmail.com](mailto:or_rajeshgeolbhu@gmail.com).

April 6-9, 2010. 13th Quadrennial IAGOD (International Association on the Genesis of Ore Deposits) Symposium "Giant ore deposits down-under". Adelaide Convention Centre, Adelaide, South Australia. Includes pre- and post conference fieldtrips. Details at: <<http://www.alloccasionsgroup.com/IAGOD2010>>.

April 11-15, 2010. National Ground Water Association (NGWA) Ground Water Summit and 2010 Ground Water Protection Council Spring Meeting. The Westin Tabor Center, 672 Lawrence Street, Denver, Colorado, USA. This year's annual vent with the theme "Groundwater for a Thirsty World," will focus on groundwater's role as a global resource. <<http://www.ngwa.org/summit2010/index.aspx>>.

April 11-17, 2010. The 5th Conference of the African Association of Women Geoscientists. Grand-Bassam, Cote D'Ivoire. Theme: "Women & Geosciences for Peace" - organised by The African Association of Women Geoscientists (AAWG). For Circulars see: <<http://www.aawg.org/AAWG/spip.php?rubrique20>>.

April 26-28, 2010. 1st International Applied Geological Congress. Department of Geology (IAGC), Faculty of Sciences Islamic Azad University - Mashhad Branch (IAUM) Mashhad-Iran. Theme "New Directions of Investigations in Earth Sciences and Related Subjects". Email: [info@iagc.ir](mailto:info@iagc.ir); Web: <<http://www.iagc.ir/>>.

April 26-30, 2010. INTERPRAEVENT 2010 International Symposium in PacificRim. Taipei, China. The main topic of the symposium "Natural Disasters Mitigation Including Floods, Storms, Debris flows, Mass movements and Earthquakes etc." Abstracts submitted on the web at: <<http://interprevent2010.nchu.edu.tw/>>.

May 10-14, 2010. Advanced Conference on Seismic Risk Mitigation & Sustainable Development, Trieste, Italy. First announcement and Online application available at: <[http://cdsagenda5.ictp.trieste.it/full\\_display.php?smr=0&ida=a09145](http://cdsagenda5.ictp.trieste.it/full_display.php?smr=0&ida=a09145)>  
Local Organizer Prof. G.F. Panza email: [stnr2142@ictp.it](mailto:stnr2142@ictp.it)

May 21-23, 2010. Society for Sedimentary Geology (SEPM) Field Conference on "Microbial Mats in Siliciclastic Sediments from the Archean to Present", Denver, Colorado, and Dinosaur Ridge, Denver, USA. Visit the website at: <[http://www.sepm.org/activities/researchconferences/microbial/microbial\\_home.htm](http://www.sepm.org/activities/researchconferences/microbial/microbial_home.htm)> Convenors: Nora Noffke <[nnoffke@odu.edu](mailto:nnoffke@odu.edu)> and Henry Chafetz <[hchafetz@uh.edu](mailto:hchafetz@uh.edu)>.

May 26-29, 2010. 15th Congress of the Geologists of Serbia with international participation. Belgrade, Serbia. Organised by the Serbian Geological Society, the Faculty of Mining and Geology, and the Association of Geological Engineers and Technicians. The Congress events will include plenary sessions, oral and poster sessions, panel discussions, special sessions and field trips. See: <<http://www.nsgd.org/>> and <<http://www.nsgd.org/15Congress2010/English.htm>>

June 3-6, 2010. International Geobiology Conference 2010 (IGC2010). China University of Geosciences, Wuhan, China. Sponsors include: ICS, IPA, IGCP507, IGCP555, IGCP572, NSFC etc. Web: <<http://www.geobiology.net.cn/2010meeting>>.

June 13-18, 2010. Goldschmidt 2010 - "Earth, Energy, and the Environment". Knoxville, Tennessee, USA. The Goldschmidt Conference is the premier international meeting for geochemistry; Full details at: <<http://www.goldschmidt2010.org/index>>.

June 15-17, 2010. International Groundwater Conference "Toward Sustainable Groundwater in Agriculture: An International Conference Linking Science and Policy". Hyatt Regency, San Francisco Airport, Burlingame, California, USA. Organized by the Water Education Foundation and the University of California, Davis. Cosponsors include the Groundwater Resources Association of California, the International Association of Hydrogeologists, and the USGS. Note the abstract submission deadline has been extended until January 18, 2010. Full details at <[www.ag-groundwater.org](http://www.ag-groundwater.org)>

June 20-25, 2010. The 10th International Multidisciplinary Scientific GeoConference & Expo (SGEM 2010) will be held at the Flamingo Grand Congress Centre, Albena Resort Complex, Bulgaria. Theme "Modern management of mine producing, geology and environmental protection". Information and online registration at <[www.sgem.org](http://www.sgem.org)>. Secretariat Bureau Tel: +359 2 975 3982, E-mail: [sgem@sgem.org](mailto:sgem@sgem.org) or [sgem@stef92.com](mailto:sgem@stef92.com)

July 1-14, 2010. INHIGEO Symposium 35 - Madrid-Almadén, SPAIN. The International Commission on the History of Geological Sciences Annual Conference. Theme: "History of Research in Mineral Resources". Scientific Sessions 5-10 July, 2010. The conference language will be English. Website: <<http://www.inhigeo.org>>. First Circular available at

<[www.sedpgym.org/inhigeo2010](http://www.sedpgym.org/inhigeo2010)> or <[www.colegiominas.com/download/fichero\\_portada/sgpym.doc](http://www.colegiominas.com/download/fichero_portada/sgpym.doc)>. Abstract deadline 30 April 2010. Conference Secretary: José Eugenio Ortiz Menéndez, email: [joseeugenio.ortiz@upm.es](mailto:joseeugenio.ortiz@upm.es).

July 10-18, 2010. The 8th International Conference of INZA on the Occurrence, Properties and Utilization of the Natural Zeolite "Zeolite2010", Sofia, Bulgaria (including field-trip). See:<<http://www.zeolite2010.org>>.

August 1-6, 2010. The 19th World Congress of Soil Science, Brisbane, Australia. Theme "Soil Solutions for a Changing World". See: <<http://www.19wcso.org.au/>>.

August 8-13, 2010. AGU Joint Assembly, Iguassu Falls, Brazil. All topics of the Earth Sciences will be covered: Earth, Oceans, Atmosphere, Space & Planets. This "Meeting of the Americas" is co-sponsored by the Brazilian Geophysical Society, IASPEI, and many other Latin-American organizations. Abstracts will be accepted in February-March 2010. More information at: <<http://www.agu.org/meetings/ja10>>.

August 29-September 4, 2010. SEISMIX 2010. The 14th International Symposium on Deep Seismic Profiling of the Continents and their Margins. Cairns, Australia. Major sponsors - Geological Society of Australia, Geoscience Australia, and IGCP 559, Research School of Earth Sciences, Australian National University. Contact <[Seismix10@ga.gov.au](mailto:Seismix10@ga.gov.au)>. For further information see: <<http://www.earthscrust.org/earthscrust/seismix2010.htm>>.

August 30-September 2, 2010. STRATI 2010 The 4th French Congress of Stratigraphy. Paris 6 (UPMC), France. (The main official language will be English). This international event is hosted by the University Pierre and Marie Curie. Website (construction) at <<http://paleopolis.rediris.es/STRATI2010/>>. Additional information available at <<http://strati-info.blogspot.com/2009/02/strati-2010-4-eme-congres-francais-de.html>> and <<http://www.univ-brest.fr/geosciences/CFS/>>.

August 30-September 3 2010. 6th Quadrennial Conference of the International Geoscience Educators Organisation (IGEO) Johannesburg, South Africa. See:<<http://web.wits.ac.za/NewsRoom/Conferences/GeoSciEd>>.

September 5–9, 2010. International Mine Water Association IMWA 2010 Symposium. Cape Breton University, Sydney, Nova Scotia, Canada. Theme "Mine Water & Innovative Thinking" Website <<http://www.IMWA2010.info>>. Announcement and call for Abstracts see: <[http://www.imwa2010.info/docs/IMWA2010\\_1stcall.pdf](http://www.imwa2010.info/docs/IMWA2010_1stcall.pdf)> Abstract deadline January 15, 2010. Conference Secretary Amy Kokoska: [amy@IMWA2010.info](mailto:amy@IMWA2010.info).

September 15-18, 2010. International Conference on Geoevents, Geological Heritage, and the Role of the IGCP. Caravaca de la Cruz, Spain. Jointly organized by the Spanish Committee for the IGCP, and the European Association for the Conservation of Geological Heritage. Sponsored by the Caravaca de la Cruz Municipal Council. Web: <<http://www.ugr.es/~mlamolda/congresos/geoevents/>>.

September 23-26, 2010. 19th Congress of the Carpathian-Balkan Geological Association (CBGA 2010). Thessaloniki, Greece. Web with Second Circular at: <<http://www.cbga2010.org/>>. Send your questions to: [info@cbga2010.org](mailto:info@cbga2010.org).

September 26-October 1, 2010. 45<sup>o</sup> Congresso Brasileiro de Geologia. Bethlehem, Para, Brazil. - The 45th Brazilian Congress of Geology with the theme "Development and Global Change: The Importance of Geosciences". Information at: <<http://www.45cbg.com.br>>.

September 30-October 9, 2010. Society of Economic Geologists 2010 Conference(SEG2010). Keystone Resort, Colorado, USA. "The Challenge of Finding New Mineral Resources: Global Metallogeny, Innovative Exploration, and New Discoveries." Pre-and post field trips and short courses planned. Contacts /abstract dates etc. <<http://www.seg2010.org/>>.

November 15-17, 2010. 6th Nepal Geological Congress. Kathmandu, Nepal. More than 450 participants from 56 countries are expected to participate in this congress on the occasion of the 30th Anniversary of the Nepal Geological Society. For more information, including the First Circular with Pre-registration Form and Abstract details, see <<http://www.ngs.org.np/>>.

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January 8-14, 2011. 23rd Colloquium of African Geology (CAG23) theme "Together in Africa for a leading role in Geosciences". University of Johannesburg, South Africa. The CAG is being held for the first time in South Africa. Scientific contributions in all aspects of geosciences are very welcome with particular emphasis on new methodologies and applications to the benefit of the society. Expressions of interest by 31/12/2009. Deadline for early registration & abstracts submission 30/06/2010. Deadline for late registration & abstracts submission 30/09/2010. For details see: <<http://www.cag23.co.za/>>.

April 8-11, 2011. IV Cuban Earth Science Convention. Convention Palace, Havana, Cuba. Full details at: <<http://www.cubacienciasdelatierra.com>>.

July 20-27, 2011. International Union for Quaternary Research (INQUA) XXVIII Congress. Bern, Switzerland. Web: <<http://www.inqua.tcd.ie/congress.html>>

August 1-5, 2011. 10th International Congress for Applied Mineralogy (ICAM2011). Trondheim, Norway. Regularly check for updates and register your address on the ICAM mailing list at <[www.icam2011.org](http://www.icam2011.org)> or contact: secretary.icam2011@ngu.no.

August 22-26, 2011. 25th International Applied Geochemistry Symposium (IAGS2011). Rovaniemi, Finland. Jointly organized by the Geology section of the Finnish Association of Mining and Metallurgical Engineering, the Geological Survey of Finland, the Institute of Geosciences-University of Oulu, the Association of Applied Geochemists (AAG), and with support from professionals in the mineral exploration industry. Deadline for abstracts 31 March 2011. Full details at: <<http://www.iags2011.fi/>>.

#### SEASONS GREETINGS

As this is the last e-bulletin for 2009 on behalf of the IUGS I extend wishes to all readers that you and your families have a joyful and safe festive season.

With best regards,

Colin Simpson, IUGS Councillor

simpsons@grapevine.com.au

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