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## **IUGS E-BULLETIN (NO. 63, JUNE 2011)**

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### **34TH INTERNATIONAL GEOLOGICAL CONGRESS 5-10 AUGUST 2012, BRISBANE, AUSTRALIA**

The Second Circular of the 34th IGC 2012 being held in Brisbane, Australia, 5-10 August, has been released and is posted on the IGC website at: <http://www.34igc.org>. This is an important stage in the development of the 34th IGC. The 2nd Circular has lots of information including:

A full list of symposia and topics to be presented at the congress

The call for abstracts and the on-line abstract submission system.

Super Early Bird registration fee offer - the lowest cost registration fee available for the 34th IGC.

Exhibition Space (GeoSpace) Release.

GeoHost Scheme involving the Training Workshop Program (TWP) and the Funded Delegate Program (FDP).

A revised list of all pre and post Congress tour offerings.

To download a pdf of the 2nd Circular go to: [http://www.34igc.org/FileLibrary/34igc\\_second\\_circular\\_v9.pdf](http://www.34igc.org/FileLibrary/34igc_second_circular_v9.pdf) .

### **IUGS TASK GROUP GLOBAL HERITAGE STONE RESOURCE**

The new IUGS Task Group on Global Heritage Stone Resource aims to advance a proposal that advocates high-level international recognition of natural stone resources that have achieved widespread use in human culture. If you are interested in this activity see: <http://www.globalheritagestone.org/home>

### **ABERRA MOGESSIE ON THE IUGS NOMINATING COMMITTEE**

The IUGS welcomes Dr. Aberra MOGESSIE as a new member of the IUGS Nominating Committee. The function of the Nominating Committee is to prepare a list of candidates as office bearers for election at the succeeding ordinary session of the IUGS Council which will be held at the IGC, Brisbane, Australia, in August 2012. Current members of the Nominating Committee are: ZHANG Hongren (China) Chairman; Ryo MATSUMOTO (Japan); Elena CENTENO-GARCIA (Mexico); Peadar MCARDLE (Ireland); Jonas SATKUNAS (Lithuania); Aberra MOGESSIE (Austria); Marita BRADSHAW (Australia). More information on the Committee is available in the Directory on the IUGS website.

### **NOMINATIONS FOR THE IUGS EXECUTIVE COMMITTEE FOR 2012-2016**

The IUGS Nominating Committee has issued invitations to the IUGS Adhering and Affiliate Organizations and Commissions to submit proposals for candidates for each office position within the IUGS Executive Committee for its next term during 2012-2016. The status and number of positions in the current Executive Committee can be seen on the web at: <http://iugs.org/index.php?page=directory>. The deadline for submission of nominations to the IUGS Secretariat is 30 September 2011. Nomination forms can be obtained from the IUGS Secretariat email: [IUGS@usgs.gov](mailto:IUGS@usgs.gov) or on the IUGS web site: [www.iugs.org](http://www.iugs.org).

### **NEW IUGS AFFILIATED ORGANISATIONS**

The IUGS Executive Committee is pleased to announce the following organisations as Affiliated Members of the IUGS. EuroGeoSurveys (<http://www.eurogeosurveys.org/>); The Canadian Federation of Earth Sciences (<http://www.geoscience.ca/>); and The Young Earth Scientists Network (YES) (<http://www.networkyes.org/>).

### **GEOENGINEERING: THE WAY FORWARD FOR REDUCING CLIMATE CHANGE?**

On 12 November 2010, UNESCO convened an international expert meeting on Geoengineering science and associated governance issues at its Paris Headquarters. Geoengineering is a response to the need to reduce climate change, and is the intentional, large-scale alteration of the climate system. The meeting was the first to use UNESCO's 'honest broker' role to create a forum for international discussion and create awareness of the science and governance of this rapidly evolving field. The invited experts included 20 participants from a dozen countries and various academic, non profit, governmental and intergovernmental institutions.

The recommendations of the meeting were that geoengineering be considered in two categories:

\* Solar Geoengineering which refers to interventions that reduce the amount of solar radiation absorbed by the Earth's climate system, such as the injection of reflective particles like sulphur dioxide into the lower or upper atmosphere, resulting in lower global average temperatures; and

\* Carbon Geoengineering which refers to the active removal of carbon dioxide from the atmosphere through engineered CO<sub>2</sub> scrubbers, or the enhancement of ecosystem processes, and results in a reduction of the detrimental impacts caused by the build-up of greenhouse gases in the atmosphere.

An additional recommendation of the meeting was the creation of an international research programme similar to the World Climate Research Programme (WCRP) sponsored by the International Council for Science (ICSU), the World Meteorological Organization (WMO) and the Intergovernmental Oceanographic Commission (IOC) and UNESCO.

The new programme could address the technological and scientific challenges of geoengineering and ensure that legitimate scientific research into this controversial issue may proceed. This recognizes the statement of the Convention on Biological Diversity, at its recent meeting in Nagoya, Japan, allowing for small-scale geoengineering research experiments as long as a number of controls are in place.

Detailed proceedings of the UNESCO expert meeting, including a short policy brief, will soon be available on the UNESCO website (<http://www.unesco.org/new/en/natural-sciences/>).

#### **NOTE - DATE CHANGE FOR THE 48TH CCOP ANNUAL SESSION**

The Technical Secretariat of the CCOP (Coordinating Committee for Geoscience Programmes in East and Southeast Asia) has advised that the date of the 48th CCOP Annual Session, and the 58th CCOP Steering Committee Meeting, to be held in Bangkok, Thailand, has been changed from the announced date of 6-11 November 2011 to 13-17 November 2011. Invitations for the meeting will be sent out soon by The CCOP Technical Secretariat.

#### **NATIONAL ACADEMIES PRESS MAKES PUBLISHED BOOKS DOWNLOADABLE FREE OF CHARGE.**

All PDF versions of books published by the National Academies Press are now downloadable to anyone free of charge. This includes a current catalog of more than 4,000 books plus future reports produced by the Press. The mission of the National Academies Press (NAP) - publisher for the National Academy of Sciences; National Academy of Engineering; Institute of Medicine; and National Research Council - is to disseminate the institutions' content as widely as possible while maintaining financial sustainability. Printed books will continue to be available for purchase through the NAP website and traditional channels. The free PDFs remain subject to copyright laws and are available exclusively from the NAP's website at: <http://www.nap.edu/>

#### **GEOETHICS AT GEOITALIA 2011**

GeoItalia 2011 - The VIII Forum of the Italian Federation of Earth Sciences (FIST) , will be held September 19-23, 2011, in Turin, Italy. The theme is "Earth Science for Sustainable Development" (see: [http://www.geoitalia.org/index.php?action=folder\\_list&folder\\_id=214](http://www.geoitalia.org/index.php?action=folder_list&folder_id=214)). The Congress will host a special Geoethics session in which topics to be discussed include: Comparison between the global geological-geoethical problems; Rational and sustainable use of geo-resources; Proper means for dissemination of results of scientific studies and responsible; Public information on the risks ; Improving relations between the scientific community, mass media and the public; Getting support of policy decisions; Organization of effective teaching tools to develop awareness, values and responsibilities; Transfer of the cultural value of the environment to those who inhabit it; Promotion of working groups within the university and professional associations, for developing GeoEthical practices for internal and external communications. At the Forum a Committee on Geoethics - created inside the FIST (Federazione Italiana di Scienze della Terra - Italian Federation of Earth Sciences) - will propose the introduction of an "Oath for Geoscientists", similar to the 'Hippocratic Oath' for doctors, which will require every new geologist to take solemnly at the Convocation Ceremony of getting the degree in Geoscience. For further information on teh Geoethics component contact Silvia Peppoloni email: [silvia.peppoloni@ingv.it](mailto:silvia.peppoloni@ingv.it)

#### **NEED TO CONTACT A GEOSCIENCE ORGANIZATION SOMEWHERE AROUND THE WORLD?**

See the Directory of Geoscience Organizations of the World website: <http://www.gsj.jp/Intl/Dir/a.htm>

#### **RECENT INFORMATION ON PUBLICATIONS, JOURNALS AND NEWSLETTERS**

The International Fertilizer Industry Association (IFA) has produced a Fertilizer Glossary that is now available on-line in five languages: English, French, German, Spanish and Chinese. Revisions have been made since 1980 by groups of experts brought together in the IFA Agricultural Committee. There are more than 150 terms and expressions related to fertilizer use, soil science, fertilizer manufacture and analysis, and application machinery and methods. The glossary is organized in five sections, one for each language. Terms are listed in alphabetical order with brief definitions. In some cases there is no equivalent term in other languages, which explains the unequal number of entries in different sections. The nearest equivalent terms may differ from one language to another. The glossary is a key tool requested by a large majority of members. Go to: <http://www.fertilizer.org/ifa/HomePage/LIBRARY/Glossary-of-fertilizer-terms>

To download back issues of the IUGS Episodes magazine go to <http://www.episodes.co.in/www/backissues.htm>. Any individual IUGS E-Bulletins issued since October 2002 can be found at: <http://iugs.org/index.php?page=e-bulletins>

The Young Earth-Scientists YES Network Newsletters are online at: <http://www.networkyes.org/index.php/news/>

The Geological Society of Africa (GSAf) Newsletters can be downloaded from the Home page of the Society at: <http://www.geologicalsocietyofafrica.org> (Note: the GSAf website information was incorrect in the previous e-bulletin)

The April edition of "ICSU Insight" the Newsletter of the International Council for Science (ICSU) is the first edition of the "new look" newsletter that has been integrated into the new ICSU website and will keep you up to date with ICSU global and regional activities, latest publications, and events. View the newsletter at: <http://www.icsu.org/news-centre/insight/newsletters-2011/insight-april-2011>

EuroGeoSurveys is an organisation of 32 European Geological Surveys which aims to address European geoscience for society. See their EuroGeoSurveys Newsletters at: <http://eurogeosurveys.org/newsletters.html>. To automatically receive the issues of the Newsletter, you can register online at: <http://www.eurogeosurveys.org/newsletters-subscription.html>

The European Federation of Geologists newsletter GeoNews can be downloaded from: <http://www.eurogeologists.eu/index.php?page=175> To automatically receive the issues of the Newsletter, please register at: <http://www.eurogeosurveys.org/newsletters-subscription.html>

The International Union of Geodesy and Geophysics (IUGG) latest electronic E-Journal is on their website at: <http://www.iugg.org/publications/ejournals/>

The International Union of Soil Sciences (IUSS) Bulletin can be downloaded in high and low resolution PDF from <http://www.iuss.org> The monthly IUSS Alert newsletter can be accessed via the same page

ProGEO News - the newsletter of the European Association for the Conservation of the Geological Heritage can be downloaded from: <http://www.progeo.se/>

GeoNews - the electronic newsletter of the European Federation of Geologists (EFG) - can be downloaded from <http://www.eurogeologists.eu/?page=175>. The May 2011 edition is now available

The Scientific Committee on Antarctic Research (SCAR) is a committee of the International Council for Science (ICSU), and it is charged with the initiation, promotion, and co-ordination, of scientific research in Antarctica. SCAR also provides international, independent scientific advice to the Antarctic Treaty system and other bodies. To download the recent issues of the SCAR Newsletters go to: <http://www.scar.org/news/newsletters/issues2011/>

The latest copies of the GEOETHICS NEWS newsletter can be downloading from the Geoethics website at: [http://tierra.rediris.es/Geoethics\\_Planetary\\_Protection/](http://tierra.rediris.es/Geoethics_Planetary_Protection/)

For the Global Water Partnership Monthly Newsletter "NewsFlow" go to: <http://gwpforum.us1.listmanage.com/subscribe?u=2e4d7bb2bd4f7590eb7d7929e&id=8e059efa29>

The Circum-Pacific Council for Energy and Mineral Resources website is at: <http://www.circum-pacificcouncil.org>

The International Geosphere-Biosphere Programme website is at: <http://www.igbp.kva.se/> and their News archive is at: [http://www.igbp.kva.se/?view=news\\_archive](http://www.igbp.kva.se/?view=news_archive)

## **FORTHCOMING MEETINGS**

NOTE the listings of forthcoming meetings shown below will normally be included in an IUGS E-Bulletin only once and then they will appear on the IUGS website. To see the IUGS listing of forthcoming geoscience meetings, conferences, and workshops, go to the Calendar section of the IUGS website at: <http://iugs.org/index.php?page=calendar&phpMyAdmin=2c9f06db78f0953a55b10dcfdc5907f6>

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July 1-5, 2011. 3rd United Group on Global Warming International Conference & Expo 2011 (UGGW Conference & Expo 2011), and Recruitment Programme at Mayfair Hotel, 26 Park Lane London, United Kingdom. Affiliated by an international Advisory Board, United Nations Organization (UN), in collaboration with many other profound Organizations and companies in the United Kingdom. See: <http://uggwc.000space.com/conference.htm>

August 2-10, 2011, INHIGEO 2011 - the 36th History of Geological Sciences (INHIGEO) Conference. Toyohashi, Japan. (Scientific sessions 2-5 August 2011). Details at: <http://www.inhigeo-jp.org/> Interested in the history of geological sciences? visit the IUGS International Commission INHIGEO website at <http://www.inhigeo.org/> .

August 8-9, 2011. Groundwater: Cities, Suburbs, and Growth Areas - Remediating the Past/Managing for the Future. Los Angeles, USA. Organised by the National Ground Water Association (NGWA) USA. Details at: <http://www.ngwa.org/DEVELOPMENT/conferences/details/5026/index.aspx>

September 3-6, 2011. The First ICSU World Data System Conference "Global Data for Global Science". The World Data System Scientific Committee is pleased to invite World Data System (WDS) Members and interested parties to the conference in Kyoto, Japan. See: <http://www.icsu.org/news-centre/news/top-news/global-data-for-global-science>

September 4-7, 2011. Geomunich2011 International Conference. Theme: Fragile Earth - Geological Processes from Global to Local Scales, Associated Hazards & Resources. Munich, Germany. Jointly held by Deutsche Gesellschaft für Geowissenschaften (DGG), Geologische Vereinigung (GV), and the Geological Society of America (GSA). Details at: <http://www.geomunich2011.de>

September 19-21, 2011. GEOCATACLYSM-2011 World Forum – International Congress and Exhibition “Natural Cataclysms and Global Problems of the Modern Civilization”. Lutfi Kırdar Convention & Exhibition Centre, Istanbul, Turkey. The Forum’s mission is to bring together leading scientists, experts, representatives of international organizations and governments, members of parliaments and other legislative bodies from different countries to develop a plan of collaborative actions and the foundation of an international program for reducing risks and mitigating negative consequences of natural cataclysms. Moire details at: <http://2011.geocataclysm.org/>

September 19-23, 2011. GeoItalia 2011 - The VIII Forum of the Italian Federation of Earth Sciences (FIST), Turin, Italy. Theme "Earth Science for Sustainable Development". For further information: See: [http://www.geoitalia.org/index.php?action=folder\\_list&folder\\_id=214](http://www.geoitalia.org/index.php?action=folder_list&folder_id=214)

September 19-24, 2011. IGCP 596 - Opening Meeting. Graz, Austria. This is the opening meeting of IGCP 596 (Climate change and biodiversity patterns in the Mid-Paleozoic (Early Devonian to Late Carboniferous)). Abstract deadline 30th June 2011. See: <http://erdwissenschaften.uni-graz.at/aktuelles/veranstaltungen/igcp596>

October 7-14, 2011. The 50th Mining Příbram Symposium 2011. Czech Republic. Note the international sections will meet as follows: a) Mathematical methods in geology - Prague: October 7- 9, and Příbram: October 10 -12  
b) Geoethics - Příbram: October 10 -14. It is proposed that liaison with preparing Geoethics for the IGC 2012 Brisbane Australia can be submitted to discussion in the course of this Symposium. Download more information at: [http://tierra.rediris.es/Geoethics\\_Planetary\\_Protection/Newsletter/11CircularJuneE.pdf](http://tierra.rediris.es/Geoethics_Planetary_Protection/Newsletter/11CircularJuneE.pdf)

October 10-13, 2011. The 10th International Conference of the East and Southeast Federation of Soil Science Societies (ESAFS), Cinnamon Lakeside, Colombo, Sri Lanka. See: [http://www.esafs10sl.org/index.php?option=com\\_content&view=frontpage&Itemid=94](http://www.esafs10sl.org/index.php?option=com_content&view=frontpage&Itemid=94)

October 28-31, 2011. The Second International Symposium on Danxia Landform, and The First Conference of the Danxia Geomorphology Working Group of the International Association of Geomorphologists (IAG), will be held in Danxiashan National Park, Shaoguan City, Guangdong Province, China. The Symposium, with the theme "The scientific development and the protection of resources and environment of red beds and Danxia Landform" will promote the development of scientific research on Danxia Landform (Red bed landforms or Sandstone landforms), and exchange international research results on them. For information see: <http://www.dxdm.com/IAG-DX/EN/>

November 13-17, 2011. 48th Annual Session of The Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP). Bangkok, Thailand. (Date changed from the announced date of 6-11 November 2011).

November 21-28, 2011. The First International Conference on African & Arabian Geoparks. El Jadida, Morocco. Theme "Aspiring Geoparks in Africa and Arab World". The conference is organized by the African Geoparks Network and the Association of African Women Geoscientists (AAWG), in collaboration with UNESCO, Cairo Office. The registration and abstracts deadline has been extended to June 30 and information is available online at: [www.africangeoparksnetwork.org](http://www.africangeoparksnetwork.org) . The post-conference field trip is organized in the Moroccan Atlasic and Anti-Atlasic area. For more information please visit, the website or contact Prof. Ezzoura Errami - [erramiezzoura@yahoo.fr](mailto:erramiezzoura@yahoo.fr) or [contact@aawg.org](mailto:contact@aawg.org)

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January 22-24, 2012, 4th International Professional Geology Conference, Vancouver, Canada. Theme: "Earth Science - Global Practice". 4IPGC is hosted by Geoscientists Canada (<http://www.ccpge.ca/>). Note that the website for the 4th IPGC is now operating at: <http://www.4ipgc.ca> where the Call for Abstracts/Call for Papers is announced. By special arrangement with The Association of Mineral Exploration of British Columbia (AMEBC) the 4IPGC will coincide with the Mineral Exploration Roundup 2012 (<http://www.amebc.ca/roundup/Overview-2012.aspx>).

June 4-6, 2012. United Nations Conference on Sustainable Development (Rio+20). Rio de Janeiro, Brazil. It is envisaged as a Conference at the highest possible level, including Heads of State and Government or other representatives. The Conference will result in a focused political document. More details above. Note that several events are planned in 2011 and 2012 in the run-up to Rio+20. See website: <http://www.uncsd2012.org/rio20/>

June 9-23, 2012. The 6th International Siberian Early Career GeoScientists Conference. Novosibirsk, Russia. Undergraduates, Ph.D. students and early career scientists are welcome to participate. Registration is free for all participants. Details at: <http://sibconf.igm.nsc.ru/index.php?lang=english>

July 15-22, 2012. 9th International Symposium on Environmental Geochemistry (ISEG). Aveiro, Portugal. The ISEG is jointly promoted by the University of Aveiro (Portugal), the International Association of Geochemistry (IAGC), SEGHS - Society of Environmental Geochemistry and Health (SEGHS) and the International Medical Geology Association (IMGA). The ISEG website is being developed at: <http://9iseg.web.ua.pt>. Email contact: [geo-9iseg@ua.pt](mailto:geo-9iseg@ua.pt).

August 5-10, 2012. 34th International Geological Congress (IGC) in Brisbane, Australia. The primary IUGS conference that is held every 4 years. Congress website at: <http://www.34igc.org/>

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January 8-14, 2013. The 40th Anniversary of the Geological Society of Africa (1973-2013). Theme "40 Years of GSAf (1973-2013): Earth Sciences Solutions to African Development Challenges" will be conducted at the United Nations Economic Commission Conference Center (UNECA), Addis Ababa, Ethiopia. The Ethiopian Geosciences and Mineral Engineering Association (EGMEA) will organize this joint conference and will distribute the first circular shortly. Details will be posted on the websites at: <http://www.geologicalsocietyofafrica.org/> and <http://www.egmea.org.et/>

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With best regards,  
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