

IUGS E-BULLETIN (NO. 74, MAY 2012)

2012 - THE YEAR OF THE 34TH INTERNATIONAL GEOLOGICAL CONGRESS AUSTRALIA

LATEST NEWS FROM THE 34TH IGC BRISBANE, 5-10 AUGUST 2012

With only 2 months until the IGC commences, the current registration numbers are approaching five thousand making this the largest geoscience event ever held in Australia. Details of the final program will appear on the website <http://www.34igc.org/> and in the Fifth Circular, scheduled for release in mid-June.

The detailed scientific program will be completed early June. A minority of Symposia did not attract a sufficient number of papers and these will be merged with others or cancelled, therefore check the continually updated website items, and particularly the Fifth Circular, to see the final symposia numbering system and symposium schedules etc. Given the shorter length of the IGC, the program will be busy and all efforts are being made to minimise conflicts.

Bookings for Field Trips have closed and the most under-subscribed trips have been cancelled. People who booked trips that have been cancelled are being offered the option of an alternative trip. Some 28 multi-day trips, and 12 one-day tours are proceeding, involving almost 600 participants. Some 30 professional development workshops will proceed, with well over a thousand participants.

A large number of Business Meetings have been booked:

- The IUGS Executive and the International Geological Congress Committee (IGCC) will both meet on Saturday 4th August. After the IUGS Council meetings (which include the election of a new IUGS Executive), the new Executive and the IGCC will meet on Saturday 11th August.
- IUGS Council – the Governing body of the IUGS and IGC– will meet on Sunday 5th August and Thursday 9th August (and, if necessary, on Friday morning 10th August). The Secretary General and IUGS Secretariat have requested the IUGS Adhering Organisations nominate their representatives for the Council meeting and submit the appropriate forms before the deadline of 1 July 2012.
- Most of the more than eighty other business meetings will be held in the evenings of 6-10 August, A very small number have made arrangements for their meetings during the days of 5 and 11 August. It is not possible for business meetings booked from now on to be advertised in the Fifth Circular Handbook.

The GeoExpo, which occupies two large exhibition halls and in which over 260 standard booths have been sold, is effectively sold out however due to some late cancellations, a very limited number of small display booths have become available. (You can view the floor plan via the IGC website "Geoexpo and Sponsorship" tab or download the pdf of the plan via <https://events.ccm.com.au/ei/images/IGC/Exhibition/FloorPlan.pdf>).

Should you require assistance at any time with information for your attendance at, or involvement in, the 34th International Geological Congress, please email: info@34igc.org.

The 34th IGC is now on Facebook and Twitter

Be part of showing the world the unique and incredible geology that Australia, New Zealand, South-East Asia, and the south Pacific region have to offer. You can share your science or ideas, and post your favourite geoscience photographs. Click the links below to find them on Facebook, <https://www.facebook.com/34IGC> or join the conversation on Twitter at <https://twitter.com/#!/34thIGC> and don't forget to visit the IGC website: <http://www.34igc.org>. Get on board now to prepare for your 34th IGC experience. Note also that Twitter will be used actively throughout the conference to keep you up to date. If you are not familiar with using social media sites go to the following links that provide information on using these two sites. Twitter basics: <https://support.twitter.com/groups/31-twitter-basics>. Facebook basics: <http://www.facebook.com/help/basics>

GEOLOGY IN THE OCEANIA REGION or SHOWCASING THE GEOLOGY, RESOURCES, AND INNOVATIVE GEOSCIENCE APPROACHES "DOWNUNDER": THE 34TH INTERNATIONAL GEOLOGICAL CONGRESS

The March 2012 issue of *EPISODES* consists of a special high quality large Edition published on occasion of the upcoming 34th International Geological Congress (Brisbane, Australia, 5-10 August 2012). Supported by Geoscience Australia, this publication includes overview papers and articles on the geological setting of the regions where the IGC field trips are to be held.

As explained in the Preface by the Guest Editors Keith M. Scott (The Australian National University and CSIRO Earth Sciences and Resource Engineering) and Peter A. Jell (Geological Survey of Queensland) “The papers in this issue of *Episodes* are introduced by the Secretary of the 34th International Geological Congress to briefly outline the scope of the forthcoming congress and the geographical region that it emphasises. Of the following 6 framework papers, 5 provide broad outlines of the geology, structure and mineralisation of the major land masses of the Oceania region (Australia, New Zealand, New Guinea and New Caledonia), and one provides historical details of the early geologists in Australia. These papers generally represent several decades of work in the field described, and provide thorough, up-to-date reviews of their subject matter. There are 21 papers describing aspects of the geology in much more specific regions which some of the planned field trips associated with 34th IGC will visit. These range from discussion of astrobiological aspects seen in the Flinders Ranges of South Australia, and Precambrian stromatolites from the Pilbara region of Western Australia, to details of modern reef growth along the 2,300 km long Great Barrier Reef. There are also descriptions of the settings of major gold mineralization within the Yilgarn Craton of Western Australia (e.g., at Kalgoorlie), base metals in Tasmania, and in the Mount Isa Inlier (Queensland), and iron-oxide copper-gold mineralization at Olympic Dam (South Australia). These papers provide useful backgrounds to many of the field trips associated with the 34th International Geological Congress in Brisbane”. As pointed out in the Introduction by Ian Lambert the Secretary General of the 34th IGC “this Special Issue of *Episodes* is designed to stimulate interest in the 34th IGC by describing the geological framework and evolution of the Oceania region, and highlighting the geology of many of the areas where field trips are being offered”. It is hoped that geologists from all over the World will take advantage of this excellent edition and of the unique IGC field trips and sessions.

Alberto C. Riccardi, President IUGS

JAMES HARRISON AWARD TO BE PRESENTED TO PROFESSOR EDWARD DERBYSHIRE

The Executive Committee of the International Union of Geological Sciences (IUGS) has awarded Professor Edward Derbyshire the IUGS *James Harrison Outstanding Achievement Award*.

In this way the IUGS is expressing its gratitude to Professor Derbyshire for his outstanding contribution to the Union over a considerable time span. This award was instituted to recognize those individuals who devote much of their time and continuous efforts to maintain the Union in fine shape. The award is named after the first IUGS President, James (Jim) Harrison, who was greatly respected as a man, as a scientist, and as a leader of IUGS. The award will be officially presented in a special Awards Ceremony during the sessions of the 34th International Geological Congress in Brisbane in August.

CALL FOR NOMINATIONS TO THE INTERNATIONAL GEOSCIENCE PROGRAMME (IGCP) SCIENTIFIC BOARD

The International Geoscience Programme (IGCP) Secretariat is seeking new members to join its Scientific Board. All IGCP organizations would have received an invitation to propose new candidates for the position of Scientific Board member. A number of experts will be invited to join the IGCP Scientific Board as specialists to evaluate ongoing IGCP projects and new project proposals. If you are aware of excellent scientists, who have an exemplary track record in a particular field of research and a passion for international collaboration, please nominate them to the IGCP Scientific Board. There is no limit to the number of nominations an organization can submit. Board Members are appointed through IGCP National Committees and nominations should be sent directly to the IGCP Secretariat (email: iugs@usgs.gov) as soon as possible. If your organisation is associated with the IGCP but did not receive an invitation to make a nomination, or you would like more information, please contact Yann Gavillot, Assistant Programme Specialist, EES/GEO (email: y.gavillot@unesco.org). UNESCO, and the IUGS would like to thank those who have provided nominations by assisting to keep IGCP alive and functioning at the highest of scientific levels.

IUGS COGE LOGO CONTEST

The IUGS Commission on Geoscience Education, Training & Technology Transfer (COGE) has announced its IUGS COGE Logo contest (<http://www.iugscoge.com>). The winner of the logo design will receive an Acknowledgement Certificate and a \$100 cash award from the Commission which will be officially given at the 2012 IGC Congress in Brisbane, Australia. The deadline for the IUGS COGE Logo contest is 7 July, 2012 (Pacific Daylight Time). This contest is also being promoted by the YES Network (Young Earth Scientist Network) - see their website at: <http://network-yes.blogspot.com.es/2012/03/iugs-coge-logo-contest.html>

SUCCESSFUL 5TH INTERNATIONAL GEOPARKS CONFERENCE

The 5th International UNESCO Conference on Geoparks was held at Unzen Volcanic Area Global Geopark, Japan, from 12-15 May, 2012. It was a very successful and well organised meeting which attracted over 600 participants from 32 countries (the largest International Geoparks Conference to date). It was announced at the Conference that the next such biennial meeting The Global Geopark Network's 6th International Conference on Geoparks, will be held at the Stonehammer Geopark in St. John, New Brunswick, Canada in 2014.

REPORT ON GEOETHICS SESSION AT THE EGU GENERAL ASSEMBLY

After the success of the Geoethics session at the GeoItalia Conference 2011 in Turin, Italy, (with more than 30 speakers), there has been a new important progress of Geoethics in an international venue. For the first time, a session on Geoethics was organized at the European Geosciences Union (EGU) General Assembly, held in Vienna last April. Over 11,200 scientists from 95 countries participated in the Assembly, of which 28% were students. The session on Geoethics entitled: "Geoethics and natural hazards: communication, education and the science-policy-practice interface" (see: <http://meetingorganizer.copernicus.org/EGU2012/session/9265>) was very successful, demonstrating a growing interest in these topics and emphasizing that geoscientists are willing to question their activities, by assessing their ethical, social and cultural implications. The session made use of the contributions from 24 authors from 15 different countries (Austria, Belgium, Cameroon, Czech Republic, India, Italy, Japan, Norway, Panama, Russian Federation, Singapore, Turkey, United States, United Kingdom). The following Themes were discussed: general reflections on the future of our planet; ethical questions in risk management; comparison between problems in developing and developed countries; scientific communication for risk reduction; tools and strategies to increase awareness about the risks; validity of the instruments today available to protect against risks; reflections on Geoscientists' responsibility in making society aware of natural hazards; education in schools; relationship between Geoscientists, mass media, politicians and population. Amongst the speakers, were dignitaries such as Prof. Susan Kieffer from the University of Illinois, and Dr. Ian Lambert, Secretary General of the 34th IGC in Brisbane, Australia. The final debate, which took place in the Poster Summaries & Discussions in the closing session, highlighted the importance of cooperation on these issues and the need to broaden the perspectives of Geoethics, especially involving young people. The latter participated in large numbers and with their skilled works they showed the prospects of important developments in the future of Geoethics, in Italy and in other European countries.
Dr. Silvia Peppoloni (email: silvia.peppoloni@ingv.it)

NEED TO CONTACT A GEOSCIENCE ORGANIZATION SOMEWHERE AROUND THE WORLD?

The Directory of Geoscience Organizations of the World produced by The Johannes Gutenberg University in Mainz, Germany, includes web links to Geological Surveys, University Geoscience Departments, Geoscience Journals, Societies, and Oil & Gas Companies. Go to: <http://www.uni-mainz.de/FB/Geo/Geologie/GeoSurv.html>
If you have comments on additions, corrections, updates, or to add a link email denbrok@erdw.ethz.ch.
The Directory of Geoscience Organizations of the World produced by the Geological Survey of Japan and containing information on national geological surveys as well as state and provincial geological surveys is available at: <http://www.gsj.jp/information/gsj-link/dir/index.html>.
The geology.com website with news and information about geology and earth science also lists geological organizations and agencies: <http://geology.com/groups.htm>.

RECENT INFORMATION ON PUBLICATIONS, JOURNALS AND NEWSLETTERS

AGI Outreach & News - See The American Geosciences Institute (AGI) web at:
<http://www.agiweb.org/outreach/index.html>

CCOP E-News -The Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP) produces the CCOP E-News See their website at: http://www.ccop.or.th/download/e-news/CCOP_e-news

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

EFG -The European Federation of Geologists (EFG) magazine "European Geologist", and the EFG monthly newsletter "GeoNews" can both be downloaded from the website at: <http://www.eurogeologists.eu/>.

EGS -EuroGeoSurveys a consortium 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/newsletterssubscription.html>

GEO - The Group on Earth Observations (GEO) is coordinating efforts to build a Global Earth Observation System of Systems (GEOSS). For details and newsletters see: <http://www.earthobservations.org/index.shtml>

GEOETHICS -The latest copies of the "Geoethics News" newsletter can be downloading from the Geoethics website at: http://tierra.rediris.es/Geoethics_Planetary_Protection/

GIS - Maps of the World see: <http://gis.mapsofworld.com/government/government-agencies/>

GSAf -The Geological Society of Africa (GSAf) Newsletters can be downloaded from the Home page of the Society at: <http://www.geologicalsocietyofafrica.org>

GS - The Geochemical Society (<http://www.geochemsoc.org/>) has partnered with MultiView Inc. to launch an official email news resource, "Geochemical News". See: <http://multibriefs.com/briefs/gs/sample.htm>.

GSL -The Geological Society of London (GSL) web home page, and online bookshop, has their latest geoscience publications information. See: <http://www.geolsoc.org.uk>; and <http://www.geolsoc.org.uk/bookshop>.

GWP -For the Global Water Partnership (GWP) Monthly Newsletter "NewsFlow" go to:
<http://www.gwp.org/en/Get-involved/Subscribe-to-NewsFlow/>

IAG -The International Association of Geomorphologists (IAG/AIG) publishes its newsletter at 3 month intervals. The Newsletters can be downloaded at: <http://www.geomorph.org/pb/pbnew.html>

IAH -The International Association of Hydrogeologists (IAH) publishes "Groundwater eNews" every 2 months. See their website at: http://www.iah.org/news_enevs.asp.

ICSU -the International Council for Science (ICSU) newsletter "ICSU Insight" will keep you up to date with ICSU global and regional activities, latest publications, and events. View the newsletters at: <http://www.icsu.org/news-centre/insight>. Visit the ICSU website at: <http://www.icsu.org/>

IFA -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. There are more than 150 terms and expressions related to fertilizer use, soil science, fertilizer manufacture and analysis, and application machinery and methods. See it at: <http://www.fertilizer.org/ifa/HomePage/LIBRARY/Glossary-of-fertilizer-terms>

IGBP -The International Geosphere-Biosphere Programme (IGBP) see their website at:<http://www.igbp.net> and their News archive at: http://www.igbp.net/4_d8b4c3c12bf3be638a8000369.html

IMGA -The International Medical Geology Association (IMGA) newsletter can be downloaded from their website at: http://www.medicalgeology.org/pages/public/publications/page_Publications.htm

IUGG -The International Union of Geodesy and Geophysics (IUGG) latest electronic E-Journal is at: <http://www.iugg.org/publications/ejournals/>. (NOTE the 18 July edition lists the IUGG Bureau members and Association Presidents and Secretaries General for 2011-2015)

IUGS -To download back issues of the IUGS "Episodes" magazine see:
<http://www.episodes.co.in/www/backissues.htm>. Also IUGS E-Bulletins issued since October 2002 are at: <http://iugs.org/index.php?page=e-bulletins>.

IUSS -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

OneGeology - an international initiative of the geological surveys of the world with a target of creating dynamic geological map data of the world, available to everyone via the web see: <http://www.onegeology.org/>

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

RCMNS -Bulletin of the Regional Committee on Mediterranean Neogene Stratigraphy downloadable from: <http://www.geomare.na.cnr.it/>

SCAR -The Scientific Committee on Antarctic Research (SCAR) is a committee of the International Council for Science (ICSU) 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 recent SCAR Newsletters go to: <http://www.scar.org/news/newsletters/issues2011/>. For their "Antarctic Science and Policy Advice in a Changing World: SCAR Strategic Plan 2011-2016" see: <http://www.scar.org/strategicplan2011/>

SCOPE -The Scientific Committee on Problems of the Environment quarterly transdisciplinary journal "Environmental development", is free of charge at: <http://www.sciencedirect.com/science/journal/22114645>

SEPM -The Sedimentary Record the Quarterly Newsletter of The Society for Sedimentary Geology. See: <http://www.sepm.org/pages.aspx?pageid=37>

SGA -Newsletters of The Society for Geology Applied to Mineral Deposits (SGA). See: <http://www.e-sga.org>

UNESCO - "A World of Science" open access journal. See: <http://www.unesco.org/new/en/natural-sciences/resources/periodical/a-world-of-science/>

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

To find information on websites and newsletters of IUGS Commissions, Task Groups, Initiatives, and Joint Programs see the IUGS website at <http://iugs.org/> or <http://iugs.org/index.php?page=directory>

FORTHCOMING MEETINGS

NOTE the listings of forthcoming meetings shown below will normally be included in an IUGS E-Bulletin only once but will appear on the IUGS website until the event. The IUGS website (www.iugs.org) lists more "geo" related events than any other website devoted to such information. Analysis of the IUGS 2010 website statistics indicates that the "IUGS Calendar" section is the most frequently visited element of our website with regular hits from over 160 countries. The IUGS is pleased to continue this service to help promote all "geo" related events. Please send your meeting posting requests directly to the IUGS Secretary General at pbobrows@nrcan.gc.ca. 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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June 11-15, 2012. Forum on Science, Technology and Innovation for Sustainable Development. This major five-day Forum will be held in Rio de Janeiro, Brazil, in the days just prior to the Rio+20 Conference. The Forum will bring together leading international scientists and policy-makers to explore the key role of interdisciplinary science and innovation in the transition to sustainable development, a green economy and poverty eradication. The aim is to help establish the research, technology and policy agendas that will be needed after Rio+20. See the website at: <http://www.icsu.org/rio20/science-and-technology-forum>.

July 5-7, 2012. VIII South American Symposium on Isotope Geology (SSAGI). Medellín, Colombia. Theme: "Expanding the frontiers of isotope geochemistry". The official languages of the conference are English, Spanish and Portuguese. Information at the website at: <http://www.ssagi.co/principal-en.php> (to change the web page language click the last line in the red box on the left of the webpage).

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

August, 23-30, 2012. The joint International Palynological Congress / International Organisation of Palaeobotany Congress. Tokyo, Japan. See the website for details: <http://www.psj3.org/ipc-iopc2012/Welcome.html>

September 25-27, 2012. Land-Ocean Connectivity - from Hydrological to Ecological Understanding of Groundwater Effects in the Coastal Zone - A Europe Mer Gordon-like Conference L'AberWrac'h, Bretagne, France. The aim of this international interdisciplinary conference is to bring together geoscientists with expertise in coastal groundwater studies (e.g., physicists, chemists, geologists, hydrologists) with coastal ecologists and environmental economists, to discuss the state of knowledge and to design future experiments that will help advance the understanding of hydrological-ecological interaction in the coastal zone. Details at: <http://www.europolemer.eu/en/land-ocean-connectivity.php>

October 25-26, 2012, The USA National Ground Water Association (NGWA) Conference on Great Plains Aquifers. Omaha, Nebraska, USA. Theme: "Beyond the Ogallala". See: <http://www.ngwa.org/Events-Education/conferences/5028/Pages/5028oct12.aspx>

October 28 - November 2, 2012. Mexican Geophysical Union Annual Meeting (RAUGM) 2012. Puerto Vallarta, Jalisco, Mexico. UGM Special Session: "Paleoseismology, seismic and tsunami hazards". This session aims to bring together a broad spectrum of scientists, who deal with such diverse questions as paleoseismology, tectonic models, and assessment of seismic and tsunami hazards, and the public's preparedness for natural disasters. It is an opportunity for all the participants to share new findings and the lessons learned from the recent great earthquakes and tsunamis around the globe, and to aid in the communication between scientists and society. Abstract submission deadline: 12 August 2012, Pre-registration: 23 September 2012. See the website: <http://www.ugm.org.mx/raugm/index.php?page=especiales>

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April 16-19, 2013. AquaConSoil 2013 – The 12th International UFZ-Deltares Conference on Groundwater-Soil-Systems and Water Resource Management. Barcelona, Spain. Note that the submission of abstracts is now open. Go to <http://www.aquaconsoil.org> (and click on the Registration and Submission section or use this link: <https://conference.ufz.de/frontend/index.php?sub=55>). The deadline for abstract submission is June 30th, 2012.

April 28-May 2, 2013. The 2013 NGWA Summit - The National and International Conference on Groundwater. San Antonio, Texas, USA. The USA National Ground Water Association (NGWA) call for session proposals for the Summit is now open - proposals must be submitted online and are due by 31 July 2012. See the website at: <http://groundwatersummit.org/>

August 27-31, 2013. The 8th IAG/AIG International Conference on Geomorphology. Paris. Theme "Geomorphology and Sustainability". The official opening of registration and abstract submission will commence 1 June 2012. Details at: <http://www.geomorphology-iag-paris2013.com/>

September 23-25, 2013. 6th International Symposium on Submarine Mass Movements and Their Consequences. Hosted by the GEOMAR, Kiel, Germany. The symposium is part of the IGCP-585. The main objective of the symposium is to offer a world-wide perspective of submarine mass movements and their consequences by assembling state-of-the-art contributions from international researchers of academic institutions and the offshore industry. The symposium shall provide a full coverage of the scientific and engineering aspects of ocean and coastal geo-hazards. There will be pre- and post-Symposium field trips. The call for Abstracts is now open. If you plan to submit a full-paper manuscript for a book published by Springer you need to submit your abstract (maximum 300 words) by 14 September 2012. Abstracts for conference presentation only can be submitted until 2 September 2013. All abstracts via email to: landslide@geomar.de. See the conference website: <http://www.geomar.de/en/research/fb4/fb4-gdy/research-topics/6th-international-symposium>

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June 2-6, 2014. World Landslide Forum III. China National Convention Center, Beijing. Theme: "Landslide Risk Mitigation Towards a Safer Geo-Environment". The First Circular can be downloaded from: [http://icl.iplhq.org/Portal/documents/WLF3-1st announcement.pdf](http://icl.iplhq.org/Portal/documents/WLF3-1st%20announcement.pdf). Call for Abstract by 31 December 2012. Conference website: <http://icl.iplhq.org/HomePage.aspx?TabID=4945&Site=Portal&Lang=en-US>

With best regards, Colin SIMPSON IUGS Councillor
simpsons@grapevine.com.au

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