
News at a Glance

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1. First Workshop on Heritage Stones

The First Workshop on Heritage Stones, organized by the IUGS Heritage Stones Subcommission, within the frame of IGCP637, took place in Salamanca from 2 to 4 of October. 49 participants from 16 countries attended the different activities, from oral talks, round tables, poster session, fieldtrip and debates, as well as social activities. A complete report will be issued in the HSS Newsletter and the IGCP annual report. The complete program and proceedings can be obtained from the HSS web site <http://globalheritagestone.com/> and https://issuu.com/mariadolorespereiragomez/docs/compilacion_abstract_reducido.



Fig. 1 - Participants at the Villamayor Stone historical quarry (courtesy of Luís Lopes).



Fig. 2 - Participants visiting Historical Buildings in Salamanca: The New Cathedral (courtesy of Luís Lopes).



Fig. 3 - Participants at the Poster Session (courtesy of Luís Lopes).



Fig. 4 - HSS hands a poster with the recognition of GHSR to the major of Villamayor village (courtesy of Luís Lopes).

2. News from IUGS-IFG Initiative on Forensic Geology

Forensic Geology in India

IFG has confirmed that it will hold the first meeting on Forensic Geology in India on 12-13 November 2018. This will include the development of a strategy to initiate forensic geology for India, and planning for the Forensic Geology session at the 36th IGC, in Delhi, in March 2020.

IFG - IAPG cooperation

Following on from the session on geoethics, held at the RFG2018 International meeting in Vancouver, IFG and IAPG (International Association for Promoting Geoethics) have decided to write together the "White Paper on Geoethics in Forensic Geology", aimed at defining ethical principles to guide geoscientists working in Forensic Geology.

Forensic Geology Confirmed at the American Geophysical Union (AGU) Fall Meeting

IFG has accepted an invitation to participate in the Forensic Geology Session, of the AGU Fall Meeting, which will be held on 10-14 December, at Washington Convention Centre, USA.

The Geological Society of London (GSL) Special Publication

The GSL Special Publication Book (GSLSpecPub17-125) is at an advanced stage of its publication. This is entitled: 'Forensic Soil Science and Geology', produced from the Symposium of Forensic Soil Science and Geology and International Conference on Criminal and Environmental Soil Forensics, held at the 36th IGC, in Cape Town, South Africa in 2016. A further six papers likely to be accepted by the end of October and another seven in an advanced stage of being reviewed. The final likely publication date will be early in 2019.

A Guide to Forensic Geology Publication

IFG has advanced the proposed publication, 'A Guide to Forensic Geology'. A draft for review is proposed to be available by the end of December 2018. This is expected to be published by the Geological Society of London in 2019.

Operation Support to Law Enforcement

Members of IFG continue to receive request to support crime investigations through the world. This month activities have included searches for suspected homicide graves, mineral sample adulteration and precious minerals theft.

London Committee Meeting and NSGG & FGG Joint Meeting

An IFG committee meeting has been planned to take place on 4 December 2018 to discuss the items above and to plan a strategy for the delivery of IUGS-IFG outcomes in 2019. IFG will also support and co-host a two day joint meeting of the Near Surface Geophysics and Forensic Geoscience Groups (FGG) of the Geological Society, at the Geological Society of London, on 4-5 December 2018.

3. IUGS-TGG at the Taiwan China-Korea-Japan Joint Symposium

A Taiwan China-Korea-Japan Joint Symposium was held during 3-4 October 2018. A preliminary field trip was conducted on the morning of 3rd October at the 921 Earthquake Museum, Taichung City, Taiwan China. In the afternoon, six invited speakers presented papers on geohazards at the opening session. The next day oral presentations and poster presentations were held at the Chelungpu Earthquake Preservation Park about 40 km away to the south from Taichung. The number of participants was about 80 from three countries and USA. The numbers of oral and poster presentations were 22 and 34, respectively.

At the symposium, on behalf of the IUGS Task Group on Geohazards (TGG), the author announced a call for papers for a Geological Society of London Special Publication entitled “Global and Societal Impact of Seismic and Tsunami Events”. Our global understanding of earthquake processes and consequent hazards was revolutionized by the 2004 Sumatra and the 2011 Tohoku-Oki earthquakes. Additionally, recent geohazards demonstrated that just relying on traditional knowledge and societal memory is insufficient to ensure we are protected against future events. This indicates that further global scientific research on potential earthquakes and tsunami is still critically needed. The proposed special volume aims to archive the global memories that researchers experienced.



Fig. 5 - The first day Symposium at 921 Earthquake Museum, Taichung City, Taiwan China.

4. Information from the project IGCP632

The 1st symposium of IGCP 632 was held in 29 September - 3 October, 2014, in Mendoza (Argentina). In that first meeting delegates discussed the detailed direction for research, and year-round program of IGCP632. The representatives of each country were determined, and the date of the 2nd symposium was also agreed.

The 2nd symposium was held in the Northeastern University of China, Shenyang. Two-days of presentations were built around six plenary lectures, eight keynote talks, 42 oral and 22 poster presentations. Altogether 43 participants attended the field excursion in western Liaoning and adjacent Inner Mongolia, which is a representative region for studying continental biotic and geologic evolution during the Jurassic-Cretaceous transition.

Dr. Emma Sammel Msaky from Tanzania Petroleum Development Corporation, Tanzania, is one of the co-leaders of IGCP 632. Our project encouraged female scientists from developing countries to contribute their scientific research to the world.

A 6th symposium was proposed with participation from IGCP 628, as special sessions of Gondwana 16. As IGCP project 628 (Gondwana Map) focused on hard-rock igneous and metamorphic geology, and Precambrian tectonic histories, IGCP 632 offered respite for a majority of Thai geologists with its focus on sedimentary rocks, stratigraphy and paleontology, of Phanerozoic age.



Fig. 6 - 2nd Symposium, 12-19 September, 2015, Shenyang, with more than 200 participants.



Fig. 7 - Business meeting of the 1st Symposium, 29 September - 3 October, 2014, Mendoza



Fig. 8 - Dr. Emma Msaky from Tanzania gave a presentation in the 3rd Symposium of IGCP 632 35th IGC Cape Town, South Africa 27.



Fig. 9 - Field discussion in Thailand, 6th Symposium, Nov. 7-21, 2017, Bangkok.

5. 2nd International Workshop on the Toarcian Oceanic Anoxic Event, Coimbra 2018

Hosted by the Department of Earth Sciences of the University of Coimbra (Portugal) and organized under the scope of the IGCP 655 Project - “Toarcian Oceanic Anoxic Event: Impact on marine carbon cycle and ecosystems” (UNESCO-IUGS), the 2nd International Workshop on the Toarcian Oceanic Anoxic Event (2nd IW-TOAE) took place in Coimbra between 6 and 9 of September, 2018.

Following the same model of the very successful 1st IW-TOAE (Jaen, Spain, in 2017), this meeting had the participation of 47 stratigraphers, sedimentologists and paleontologists from 15 countries (Algeria, Brazil, Canada, China, France, Germany, Iran, Ireland, Italy, Morocco, Portugal, Spain, Sweden, Switzerland, and United Kingdom).

In the first day, the scientific session was held in parallel with the IX Symposium on the Iberian Atlantic Margin (<https://mia2018univcoimbra.wixsite.com/mia2018en>). This session, which featured an invited lecture by Prof. Hugh Jenkyns (University of Oxford, United Kingdom), included the presentation of 35 oral and poster communications (Fig. 10) whose abstracts were gathered in one of the publications resulting from the meeting.

The two following days were dedicated to the field trip “The Toarcian Oceanic Anoxic Event in the Western Iberian Margin and its context within the Lower Jurassic evolution of the Lusitanian Basin”. With 8 main focus (stops) of discussion, from the Pre- to the post-TOAE, participants had the opportunity to visit some of the most important Portuguese sections, such as the case of the worldwide reference for the Pliensbachian–Toarcian transition (Toarcian GSSP) of Peniche (Figg. 11 and 12). Texts of the different stops, some of them with new information, were gathered in the field guide book, a special publication with 102 pages and signed by 23 authors and coauthors.

The last day of the meeting was dedicated to a short training course entitled “Organic matter characterization in anoxic marine facies: palynofacies and organic geochemistry

approaches”, coordinated by Prof. João Graciano Mendonça Filho from the Federal University of Rio de Janeiro (Fig. 13).

Besides all the collaboration of hosted Institutions, the 2nd IW-TOAE was sponsored by Partex Oil and Gas, and by the Municipalities of Penela and Peniche.



Fig. 10 - Fatima-Zahara Ait-Itto (Cadi Ayyad University of Marrakech, Morocco) during her presentation in the scientific session.



Fig. 11. Photo group of the 1st day of the field trip (Toarcian GSSP, Peniche section).



Fig. 12. Upper Toarcian marly limestones with siliceous sponge bioherms in the Rabaçal area (2nd-day of the field trip).



Fig. 13. Short training course on organic matter coordinated by Prof. João Graciano Mendonça Filho from Federal University of Rio de Janeiro (Brazil).

6. News from the project IGCP636

The IGCP636 team was in France between October 5th and 12th 2018 for its third Annual Meeting. The researchers met the UNESCO IGCP secretariat representatives and national delegations in Paris. They visited the geothermal central in Villejuif and then spent 2 days at the BRGM in Orleans visiting the experimental geothermal platform, sharing this year results and planning future activities. Then, they attended the 6th European Geothermal Workshop 2018 in Strasbourg, presenting their recent work in 6 oral presentations/posters.

IGCP636 website: <https://www.unescoigcp636.org/>



Fig. 14 - Meeting at the UNESCO HQ in Paris, with Özlem Adiyaman Lopes (UNESCO Section on Earth Sciences and Geo-Hazards Risk Reduction).



Fig. 15 & 16 - IGCP636 team attending the 6th European Geothermal Workshop in Strasbourg (October 10-12, 2018).



EDITORS' NOTES:

CONTRIBUTING TO THE IUGS E-BULLETIN, WEBSITE AND SOCIAL MEDIA

IUGS wishes to better co-ordinate publication of information on **news, events and achievements** arising from IUGS activities (**not science reports or papers**). All IUGS Commissions, Task Groups, Initiatives and IGCP projects are requested to provide a steady flow of material. Contributions from Adhering Bodies will also be welcomed.

To aid co-ordination and standardization, IUGS has introduced a preferred format and a monthly timetable.

Format of submitted material:

Contributors should provide:

For the E-Bulletin: 2 or 3 sentences with between 1 and 3 illustrations (photographs, diagrams etc.) with captions as separate .jpg, .gif or .png files with a resolution of 150 dpi; optimally accompanied, by:

For the web site: a concise text of about 0.5 to 1 A4 page (up to about 600-700 words), if possible providing a web-link (e.g. to an IUGS activity website).

The short text in the E-Bulletin will be hyperlinked to any longer text which will be placed on the IUGS website. Items that are not in reasonably good English will be returned for improvement. Others will be edited for use of English if necessary. If proposed contributions are too long, they will be returned for shortening. All images must, if necessary, be copyright-cleared before submission.

Each contribution to the IUGS E-Bulletin, website and/or social media should be marked as to which target medium or media it should be published in. Each contribution should be sent, at the same time, to the following addresses:

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(E-Bulletin, Editor-in-Chief)
(Webmaster)



Timetable:

The idealized timetable for the E-Bulletin is:

1. IUGS sends a reminder to leaders of activities in the last week of each month;
2. Contributions should be provided by the 16th day of that month (**items arriving after that date cannot be included in the next monthly issue**);
3. IUGS will evaluate all submitted items in terms of urgency and will allocate these to the next monthly issue or a later issue and will also check that these comply with IUGS policy for publications and ethics;
4. The IUGS Team will aim to compile that month's E-Bulletin by the 25th day of the month and send it to the IUGS Secretariat;
5. The IUGS Secretariat will dispatch the E-Bulletin to the IUGS Community on, or before, the last day of each month;
6. Long versions of material will be posted on the IUGS Website in coordination with the publication of the relevant E-Bulletin.

This timetable will be varied, as necessary, to allow for public holidays that affect the E-Bulletin Team and IUGS Secretariat such as Christmas and Chinese New Year.

NOTES

- If you require notices, information on publications, etc. to be considered for inclusion in forthcoming IUGS e-bulletins, please mail to silvia.peppoloni@ingv.it.
- Please check the IUGS [Calendar of Events](#) for upcoming scientific meetings this coming month. If you require information on international conferences, meetings, etc. to be considered for inclusion in this Calendar please mail to: giuseppe.dicapua@ingv.it
- To be added to or removed from the IUGS e-bulletin distribution list, please mail to: iugs.beijing@gmail.com or secretariat@iugs.org.
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