

News at a Glance

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1. Logo for the sixtieth anniversary of the IUGS

To know more visit <https://www.iugs.org/>



Figure 1. Logo for the sixtieth anniversary of the IUGS



2. International Lithosphere Program's call for medals

To know more open, the links below

<https://www.iugs.org/>

<https://ilp.nju.edu.cn>

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[a1bb16d032e6.filesusr.com/ugd/f1fc07_2542bf06f7644b74ab25b3b7b343941b.pdf?index=true](https://98ca4554-1361-4fb1-a4d8-a1bb16d032e6.filesusr.com/ugd/f1fc07_2542bf06f7644b74ab25b3b7b343941b.pdf?index=true)

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[a1bb16d032e6.filesusr.com/ugd/f1fc07_0ee14920fff749ee864c72fed28b4eee.pdf?index=true](https://98ca4554-1361-4fb1-a4d8-a1bb16d032e6.filesusr.com/ugd/f1fc07_0ee14920fff749ee864c72fed28b4eee.pdf?index=true)

[https://98ca4554-1361-4fb1-a4d8-](https://98ca4554-1361-4fb1-a4d8-a1bb16d032e6.filesusr.com/ugd/f1fc07_17621c906f97429c9e355f3055c26a6d.pdf?index=true)

[a1bb16d032e6.filesusr.com/ugd/f1fc07_17621c906f97429c9e355f3055c26a6d.pdf?index=true](https://98ca4554-1361-4fb1-a4d8-a1bb16d032e6.filesusr.com/ugd/f1fc07_17621c906f97429c9e355f3055c26a6d.pdf?index=true)

3. News from the Subcommittee on Quaternary Stratigraphy (SQS)

- A recently published review paper on the Middle Pleistocene GSSP and MIS 19 by Martin Head.

<https://progearthplanetsci.springeropen.com/articles/10.1186/s40645-021-00439-2>

- Formal ratification of the Global Boundary Stratotype Section and Point (GSSP) for the Chibanian Stage and Middle Pleistocene Subseries of the Quaternary System: the Chiba Section, Japan; by Yusuke Suganuma et al.

<https://doi.org/10.18814/epiugs/2020/020080>

- An update on 'The Quaternary in the Geological Time Scale' by Zalasiewicz et al. 2020 in the INQUA newsletter; PP. 6-9 in:

https://www.inqua.org/media/uploads/60da7d1a19435_QP29.pdf

- Successful holding of the international **GELSTRAT** symposium and fieldtrip, recently held in Sicily (southern Italy), comprising a scientific session in Palermo (01-02.09.2021), followed by the fieldtrip to Capo Rossello and Monte San Nicola (03.09.2021), and resampling of the Piacenzian-Gelasian transition (04 to 06.09.2021). A very special thank you goes to Antonio Caruso and his team (Palermo university) for the organization. The event attracted strong media interest (including beautiful images filmed of the work):

https://www.rainews.it/tgr/sicilia/video/2021/09/sic-Gela-geologia-cambiamenti-climatici-Palermo-07d2d9d7-27bc-41fe-b2c5-0c2ce2d13c41.html?fbclid=IwAR07JXH-crBzYLOIQz_SpAvWtfK71si1QgbSs7QHohmLBfJSquR0cjJ8Fs

<https://www.rainews.it/tgr/sicilia/video/2021/09/sic-geologi-ricerca-butera-gela-clima-2c0784dc-c5ca-48f7-ba87-61b2286357a0.html>

- The Anthropocene Working Group held a meeting at the Haus de Kulturen der Welt in Berlin in September 2021, to describe the excellent progress being made in multi-proxy analysis of 12 sections currently being examined as potential candidate stratotypes for the Anthropocene.
- A seminar [Quaternary paleoenvironments and paleoclimate in the Mediterranean area](#) will be held in Firenze (Italy) from 14 to 16.12.2021 (in presence and online). It is aimed primarily at undergraduate and PhD students and young researchers. The seminar is carried out thanks to the Erasmus program. It has AIQUA support and represents a pre-INQUA2023 congress activity.

4. News from the IUGS Initiative on Forensic Geology (IFG)

Forensic Science: Forensic Geoscience and Death Investigations

A flyer for the upcoming publication by 'Forensic Science', on Forensic Geoscience and Death Investigations, supported by IUGS-IFG, can be found on the link below.

https://www.mdpi.com/journal/forensicsci/special_issue_flyer_pdf/forensicsci_geoscience/web

Interforensics 2021, Brazil

IUGS-IFG will be represented at Interforensics 2021, on 2-5 November 2021 in Brazil, in conjunction with the Carried out by the Brazilian Academy of Forensic Sciences (ABCF), with the support of the National Association of Federal Criminal Experts (APCF).

[InterForensics - Um dos maiores eventos de Ciências Forenses do mundo.](#)

Forensic Jewellery

A YouTube link discussing forensic jewellery, in conjunction with the IUGS-IFG Student Chapter and Dr Maria MaClennan, Police Scotland, can be found on the link below.

<https://geoforenses.com/palestras-cursos/>

IUGS-IFG Student Chapter

The IUGS-IFG supported student chapter includes 14 universities, 223 students, 20 forensic experts and 16 teachers. A list of conferences, workshops and associated events can be found on the link below:

<https://geoforenses.com/student-chapters/>

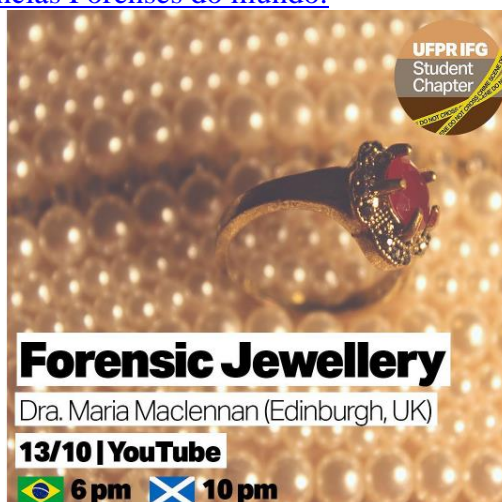


Figure 2. YouTube discussion on Forensic Jewellery

(Source: <https://geoforenses.com/palestras-cursos/>)

Special Publication: Forensic Soil Science and Geology

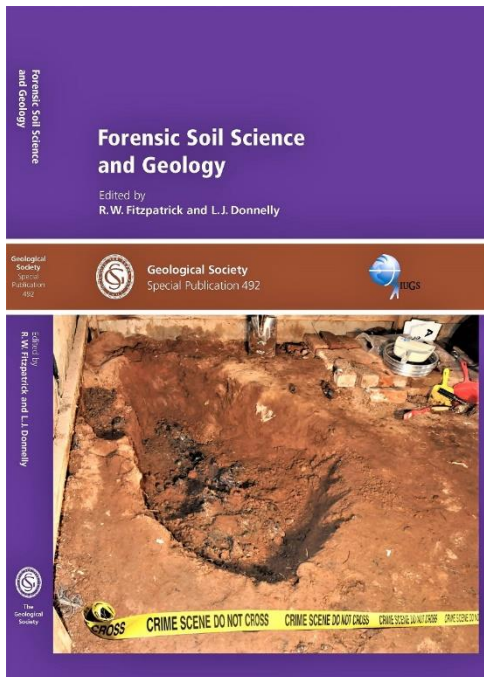


Figure 3. Forensic Soil Science and Geology
(Source:

<https://sp.lyellcollection.org/content/492/1/NP>

Details of a book called, '*Forensic Soil Science Geology and Geology*' edited by R.W. Fitzpatrick and L.J. Donnelly produced by IUGS-IFG, as part of the Geological Society of London, Special Publications series, can be found on the Lyell Collection. This is one of the largest integrated collections of Earth science literature in the world comprising 260,000 pages, 26,000 articles and 1,000 volumes.

<https://sp.lyellcollection.org/content/492/1/NP>

[About this title - Forensic Soil Science and Geology | Geological Society, London, Special Publications \(lyellcollection.org\)](https://sp.lyellcollection.org/content/492/1/NP)

Cover illustration:

Grave in red soil showing black leachate from decomposed victim, white patches of lime added by accused and dark brown soil from another locality where the body was initially placed.

Image courtesy of South Australia Police.

5. News from the subcommission for nomenclature and systematics of igneous rocks

The IUGS subcommission for nomenclature and systematics of igneous rocks is working on the difficult task of revising the 2002 reference book edited by Le Maitre by different approaches. The subcommission members have been divided into specialized sub-groups, each of which is stressing the weak points of the original classification schemes and proposing new interpretations and point of views. As in the original 1989 version and in the second version published in 2002, the current subcommission will not propose a petrogenetic approach to nomenclature. The subcommission will attempt to remain impartial concerning the different interpretations of specific rock textures or the reasons for particular enrichments or depletion of major oxides or trace elements. The subcommission does not intend to discuss in detail the reason for the presence/absence of specific minerals or their composition.

The principal topics under investigation by the subcommission are the definition of alkaline and subalkaline rocks, as well as the possibility to propose a new scheme to distinguish sodic from potassic lithologies, as well as the characteristics of ultrapotassic rock. The subcommission is also investigating the possibility to devise a compositional definition for plutonic rocks, using a scheme similar to that used for volcanic rocks, based on $\text{Na}_2\text{O} + \text{K}_2\text{O}$ vs. SiO_2 (TAS = Total Alkali vs. Silica) diagram. Other topics being discussed are the definition of carbonatites, boninitic and other high-MgO rocks, lamproites, lamprophyres and kamafugites.

6. News from IUGS-UGGps

Las Loras Geopark, Spain, was recognized as a Global Geopark by UNESCO in 2017. Global Geoparks are evaluated every four years to make sure that they are functioning as expected under the desired quality. This year it was the time for Las Loras. Two evaluators, John Galloway, from the Copper Coast Global Geopark, and Konstantina Bentana, from Lesvos Island Global Geopark, spent five days carrying on a field mission to consider the revalidation of Las Loras Geopark.

Las Loras had a clear objective from the beginning: to bring Geology to the Society through the cooperation of the many stakeholders involved in the idea of the Geopark. The program for the revalidation mission was made up of visits to the different geological sites, routes, innovation projects that are linked to the Geopark, visits to local producers that have created synergies with the Geopark objective to reach a wider community... The involvement of the different actors was shown from the beginning and at the presentation meeting in Aguilar de Campoo (Palencia) more than forty people participated, including representatives of local, province and regional governments, academics, and members of the civil society. Different sceneries were included in the visits, from a visit to a karstic cave, to a visit of the major scenery giving the Geopark its name: Las Loras, which represent the remains of folding after erosion. The Petroleum Museum and the impressive heritage linked to the sedimentary geology of the area were also visited. The program included activities with local producers, artisans, and local artists, who will increase their visibility thanks to the Geopark and the many, increasing number of visitors.

For more information on the revalidation process, visit: <https://www.facebook.com/Geoparquelasloras/>;
For more information on Las Loras Geopark, visit: <http://geoparquelasloras.es/index.php/en/home-english/>



Figure 4: i. Visiting the innovative farming lab for seed potato; ii. Las Tuerces: the impressive ruiniform landscape of an area of the Global Geopark of Las Loras

7. News from INHIGEO Anniversaries

Geology of Mount Everest 100 years ago

ALEXANDER MACMILLAN HERON - FIRST GEOLOGICAL SURVEY OF THE EVEREST REGION, 1921

To know more, open the link below:

http://www.inhigeo.com/anniversaries/Vaccari_Heron.pdf

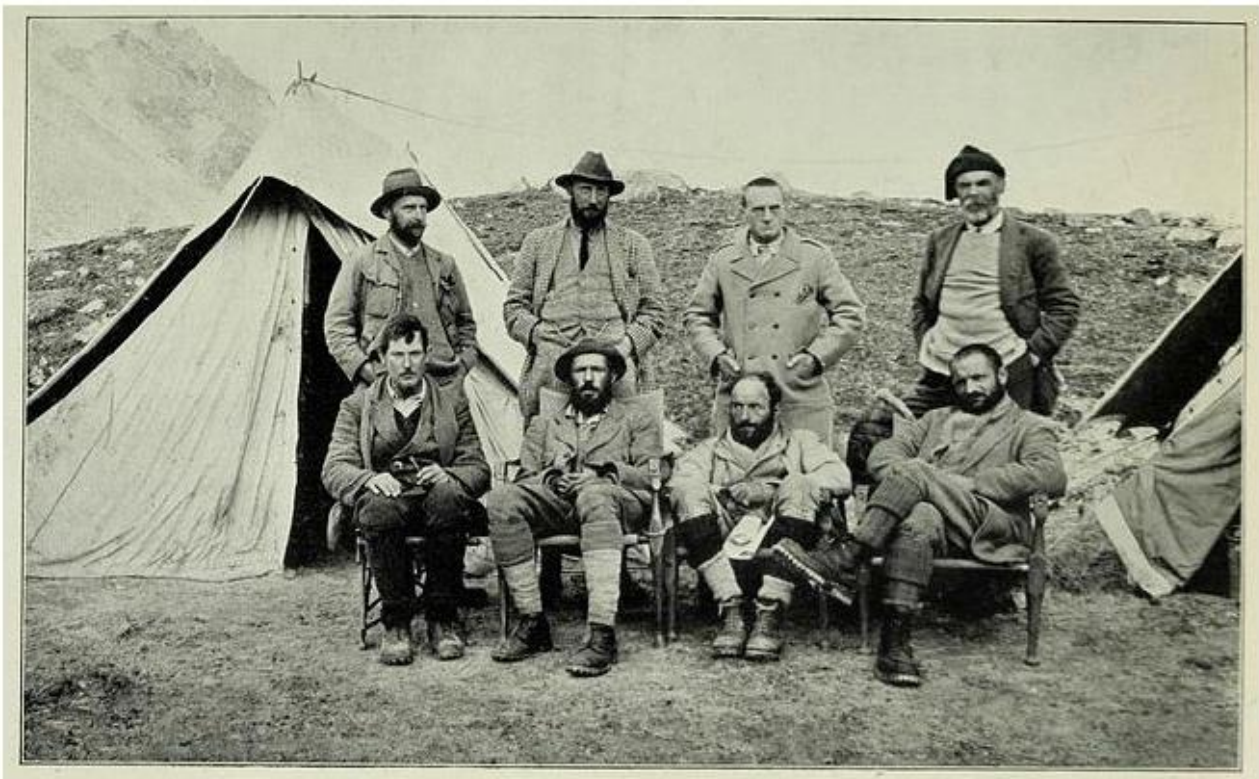


Figure 5. Members of the 1921 Mount Everest expedition: (standing l-r) S. Wollaston, C. Howard-Bury, A.M. Heron (in a camel-hair greatcoat), H. Raeburn; (sitting l-r) G. Mallory, O. Wheeler, G. Bullock, H. Morshead (Howard-Bury et al., 1922, p. 178).

8.IUGS and The Earth Project

IUGS and The Earth Project are proud to announce the winners of the first round of our COP26 Photography Countdown Event.

To know more, open the links below:

<https://www.iugs.org/>

<https://theearthproject.world/gallery-1-winners/>.

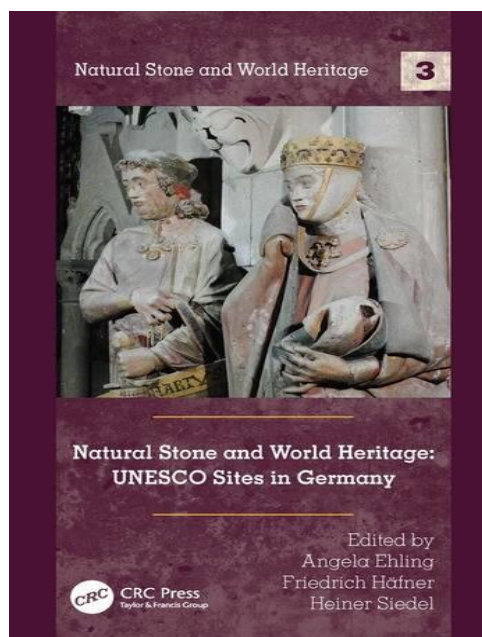


Figure 6. Photograph voted first. South Africa has the largest population of rhino in the world – however, there has been a catastrophic decline in their numbers due to poaching. Desperate times call for desperate measures and dehorning is a last-ditch attempt to deter poaching. Although a traumatic experience for the rhino, dehorning is like cutting one’s fingernails and the horn will grow back.

9. News from IUGS-ICG-HSS

i. A new book: **Natural Stone and World Heritage UNESCO Sites in Germany** edited by Angela Ehling,, Friedrich Häfner, Heiner Siedel is published now. The book is a product from the IGCP project, as part of the Book Series on Natural stones and World Heritage sites.

Figure 6. The cover page of the book **Natural Stone and World Heritage UNESCO Sites in Germany**



ii. 2nd International Workshop on Heritage Stones held at Torino, Italy

To know more open, the link below:

<http://www.herstones.eu/news-events/>



Figure. 7. i. Delegates in attendance in both physical and virtual mode at the 2nd International Stone Workshop held at Torino, Italy; **ii.** Dr Gurmeet Kaur, Chair-Heritage Stone Subcommittee, delivering a keynote address in virtual mode.

iii. Heritage Stone Subcommittee at EGU 2022

ERE4 – Raw materials;

Session: Heritage Stone Subcommittee: A Global Perspective

To know more, open the link

<https://meetingorganizer.copernicus.org/EGU22/sessionprogramme#>

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

IUGS wishes to improve the co-ordination of the 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 are also welcome.

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: A short text with links to IUGS activity website, 1 or 2 illustrations (photographs, diagrams etc. jpg, .gif or png files of good resolution with captions) not exceeding one page. Items that are not in reasonably good English will be returned for improvement. If proposed contributions exceed one page, they will be returned for shortening. All images must, if necessary, be copyright-cleared before submission. The editor of the e-Bulletin reserves the right to make necessary edits to adjust the content to the publication rules, always respecting the meaning of the text submitted.

For the IUGS website: A one-page concise text (up to about 500 words), if possible providing a web-link (e.g. to an IUGS activity website).

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:

gurmeet28374@gmail.com (e-Bulletin Editor-in-Chief)
giuseppe.dicapua@ingv.it (Webmaster)
gurmeet28374@gmail.com (Social Media Manager)

Time Frame for submissions to the e-Bulletin:



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 every month.
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 Publications Committee Team will aim to compile monthly 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;

This time frame may vary due to public holidays that affect the e-Bulletin Team and IUGS Secretariat such as Christmas and Chinese New Year.

NOTES

- Please check the IUGS [Calendar of Events](#) for upcoming scientific meetings. 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.
- Follow the IUGS on Social Media! We are on [Facebook](#), [Twitter](#), and [LinkedIn](#).
- Check the IUGS website: <http://www.iugs.org/>

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