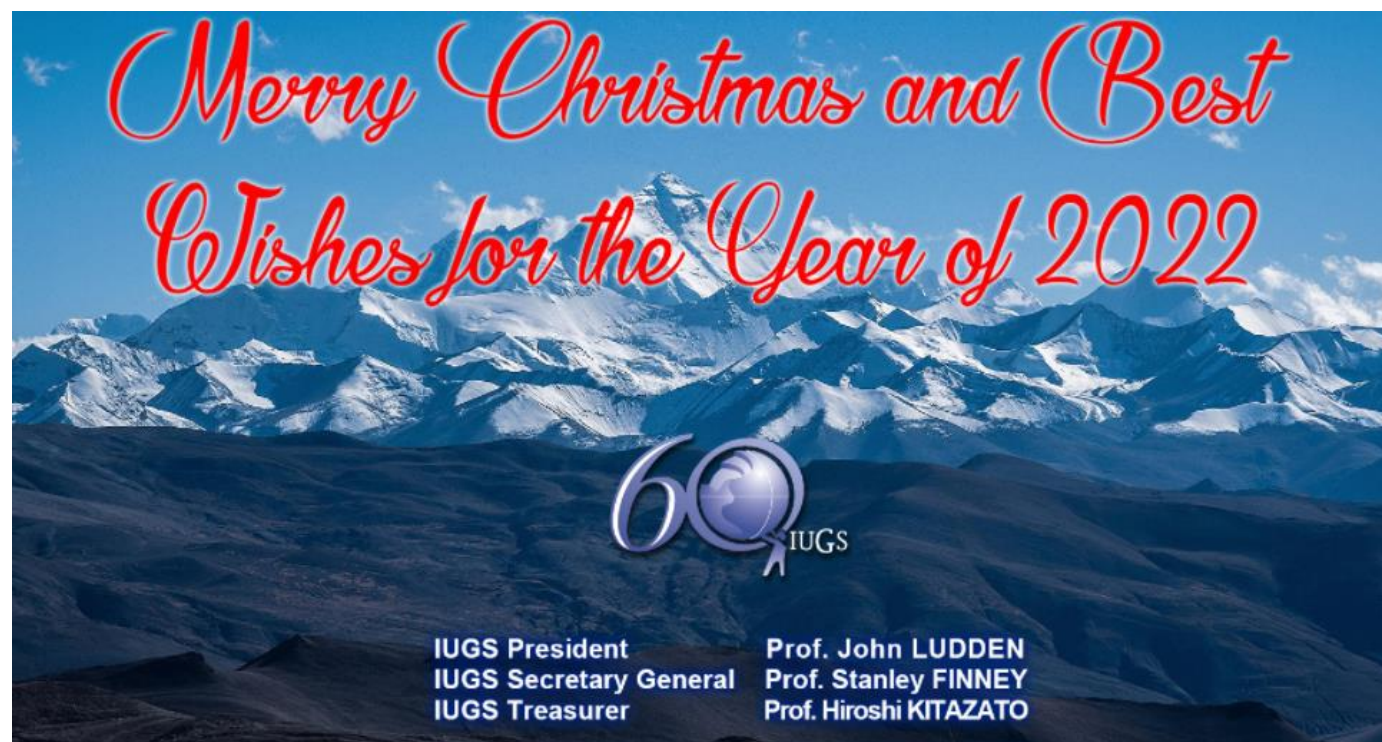




News at a Glance

1. Greetings from IUGS
 2. Launch of new website IUGS60
 3. New issue of IUGS journal Episodes
 4. ReSToRE 2
 5. News from the International Subcommittee on Paleogene Stratigraphy (ISPS)
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 8. News from INHIGEO
 9. IUGS Nominating Committee: Report on first Virtual meeting
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1. Season's Greetings from IUGS





2. Launch of new website IUGS60

To mark the 60 years of celebration of IUGS, the new website has been launched.

To know more click the link below:

<https://iugs60.org/>

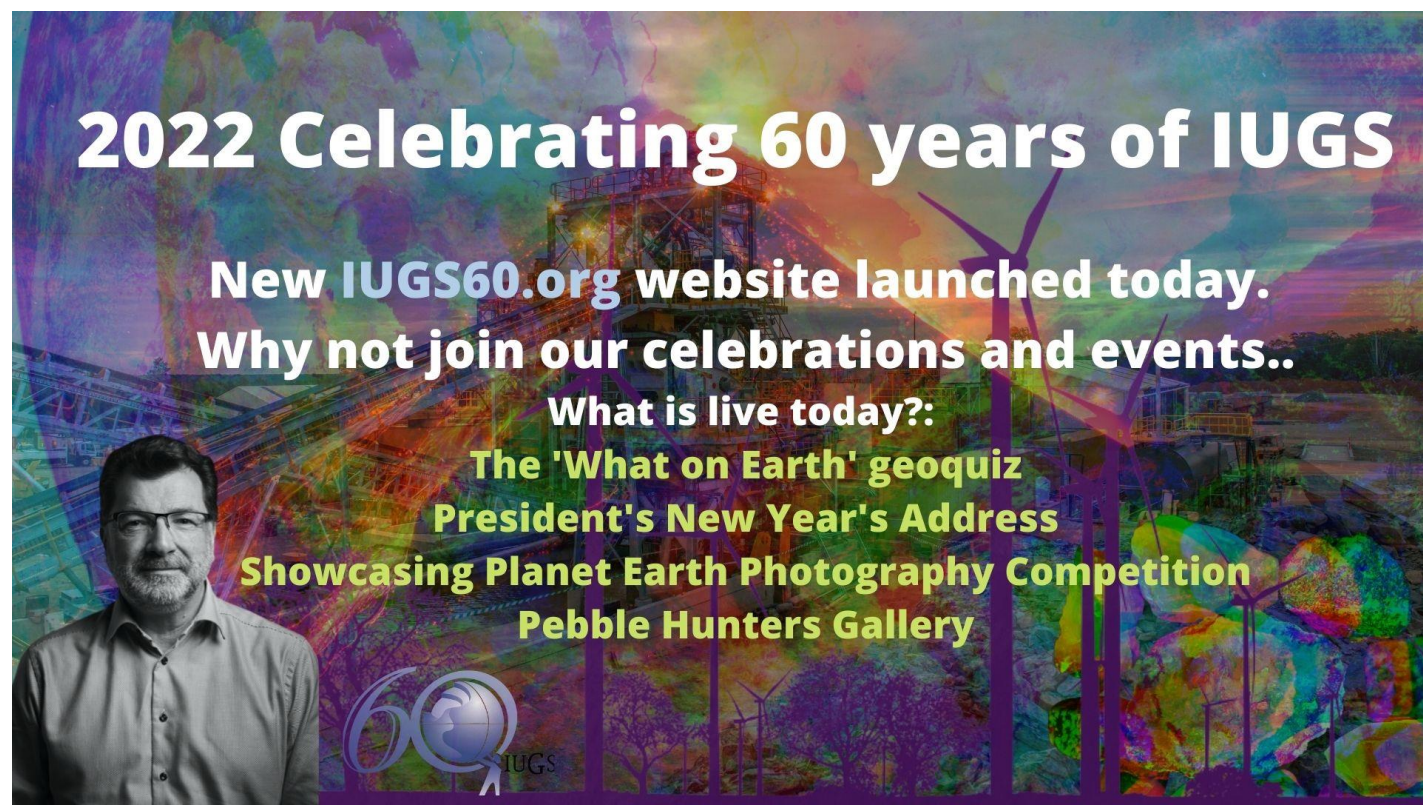


Figure 1. Flyer of the new website IUGS60.



3. New issue of IUGS journal Episodes

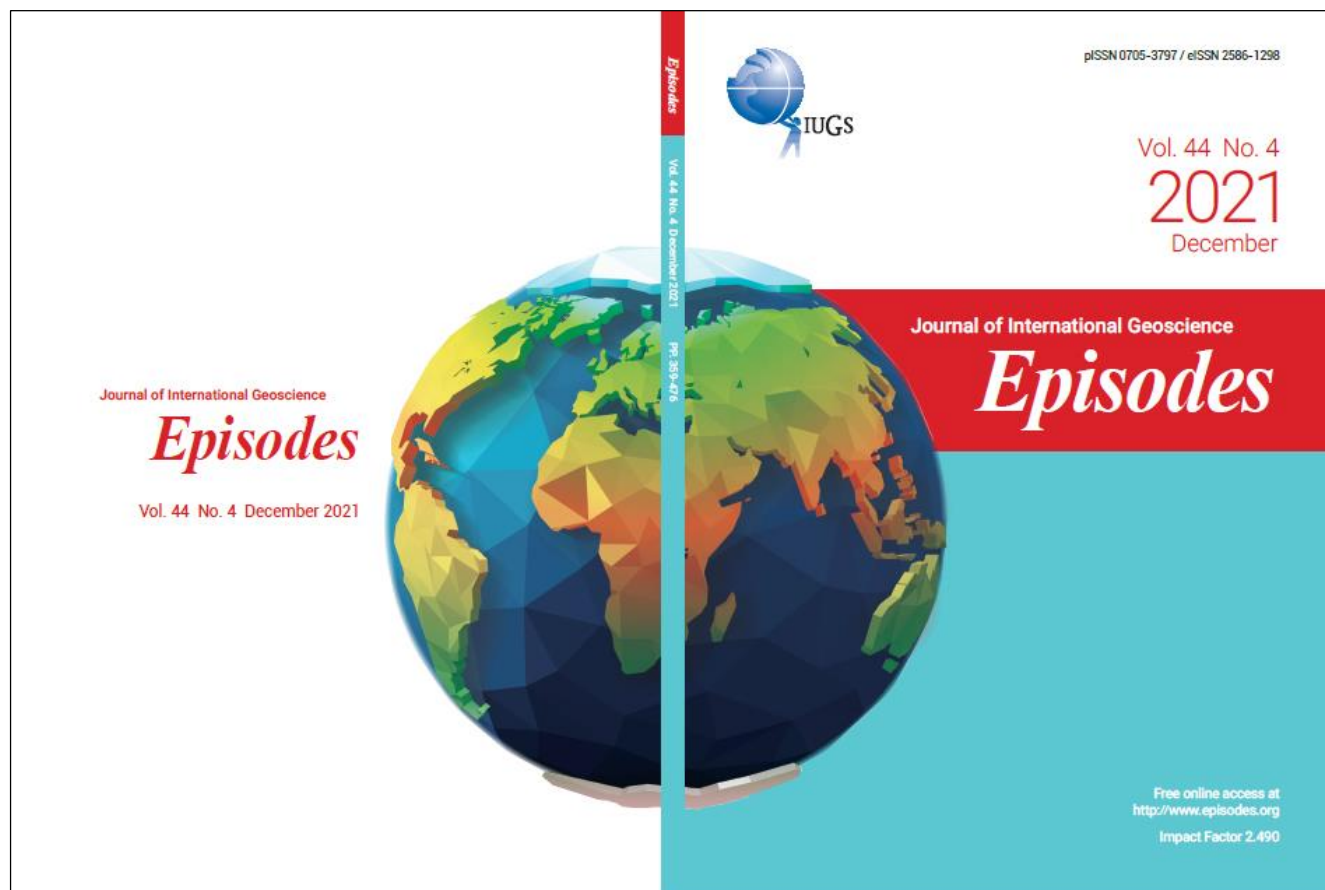


Figure 2. Cover page of December issue of Episodes

4. ReSToRE 2

Following the success of ReSToRE 1 in the summer of 2019

(<https://www.youtube.com/watch?v=igKWCbATA0E&t=75s>), the Irish Centre for Research in Applied Geosciences (iCRAG) and International Union of Geological Sciences have decided to organise ReSToRE 2, to be held in University College Dublin from 4 to 8 July 2022.

The Researching Social Theories, Resources, and Environment International Summer School aims to nurture an interdisciplinary and experiential learning environment for geoscientists and social scientists to address cross-cutting topics and to create a network for all participants and contributors. Specifically, the summer school seeks to bring early-career academics and professionals from developing and developed countries together in the same physical space to foster conversations at the nexus of Earth Sciences and Social Sciences.



Further details are at <https://www.icrag-centre.org/restore/>. Applications to attend have to be submitted by 1 February 2022.

5. News from the International Subcommittee on Paleogene Stratigraphy (ISPS)

Within the framework of a special project awarded by ICS, the board of ISPS has been working to digitalize Spanish and Italian outcrops where GSSPs have been formally defined. Image and video filming has been carried out to construct 3D models of the outcrops, which will be accessible for the scientific community and the general public through the ISPS website.



Figure 3. Drone filming of the outcrops near Zumaia, which contain the GSSPs for the bases of the Selandian and Thanetian stages as well as reference sections for the Cretaceous/Paleogene and Paleocene/Eocene boundaries.



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

InterForensics 2021

IUGS-IFG was represented at InterForensics 2021, in Brazil. This included, the search for burials, missing persons, crimes against humanity attributed to dictatorships, organized crime and radical groups. There was specific reference to searches in Colombia to locate victims that have disappeared and to provide closure for family members. The applications of geophysical methods to find graves with skeletonized bodies has been successful in several forensic cases.

<https://www.interforensics.com/>

Forensic Geology, in Switzerland

IUGS-IFG has supported the design of a module on forensic geology at the Centre Universitaire Romand de Médecine Légale, Swiss Human Institute of Forensic Taphonomy (SHIFT), at Lausanne, in Switzerland. The commencement date has yet to be determined and includes, forensic geology related to human taphonomy, forensic geophysics, forensic soil geology, crime scene investigation, mineralogy and court room geoforensics.

<https://www.curml.ch/en/node/12>

Forensic Geology in Italy

Forensic geology has long been successfully established in Italy. The new web site for ‘Geologia Forense’ can be found on the link below:

www.geologiaforense.com

IUGS-IFG Student Chapter and YouTube Video

The IUGS-IFG Student Chapter Newsletter and YouTube video on forensic geology can be found on the link below:

<https://geoforenses.com/geociencias-forenses/>

Courses, lectures and events in forensic geology

The various events were held in December 2021, and can be found on the link below:

<https://geoforenses.com/#calendario>

Initiative on Forensic Geology at the British Association of Forensic Medicine (BAFM), Scotland

IUGS-IFG was represented at the British Association of Forensic Medicine (BAFM) on 20 November 2021, in Aberdeen, Scotland. A presentation was given on search and the applications of forensic geophysics. The BAFM session included theory, applications, complex search scenarios and demonstrations of equipment. Some 75 BAFM members attended in a Covid-19 regulated environment in collaboration with forensic anthropologist and archaeologist) and a UK Home Office Police Dog Instructor and Cadaver Detection Dogs.

Forensic Fingerprinting for the Tracking and Tracing of dore, gold and silver

IUGS-IFG forensic geologist took part in an international technical meeting to discuss and consider the establishment of a possible data base and geological methods to assist metal trader profile illicit supplies of dore, gold and silver.



7. News from the [Commission on Global Geochemical Baselines \(CGGB\)](#)

The highlight of the CGGB activities in the fourth quarter of 2021 was an online training workshop on “[Extracting, visualising and interpreting structure in geochemical data through compositional data analysis \(CoDa\)](#)”, which was held with a great success on the 18th of November 2021. Lectures were delivered by Prof. Eric Grunsky and Prof. Michael Greenacre, both renowned experts in multivariate statistical analysis of geochemical data. There were 397 participants registered from 60 countries and online attendance reached a maximum of 191 during the live session. The recorded video of the workshop is available to watch on the CGGB YouTube channel: https://youtu.be/8lLd_hDnAok

The three-hour short course examined the compositional nature of large geochemical data sets and application of logratio analysis to geochemical data with the intention of extracting, visualising and interpreting their internal structure and correlations. Particular attention was paid to the role of selecting ratios of minerals as well as ratios involving amalgamations of minerals, where these are either pre-specified or identified statistically. Statistical and graphical tools and applications of predictive geochemical mapping in the geospatial domain were demonstrated through different case studies. The 6 workshop presentations, as well as a selection of related bibliographic references, are available for download from the CGGB website by using the following hyperlink:

<https://www.globalgeochemicalbaselines.eu/content/129/workshops-/>

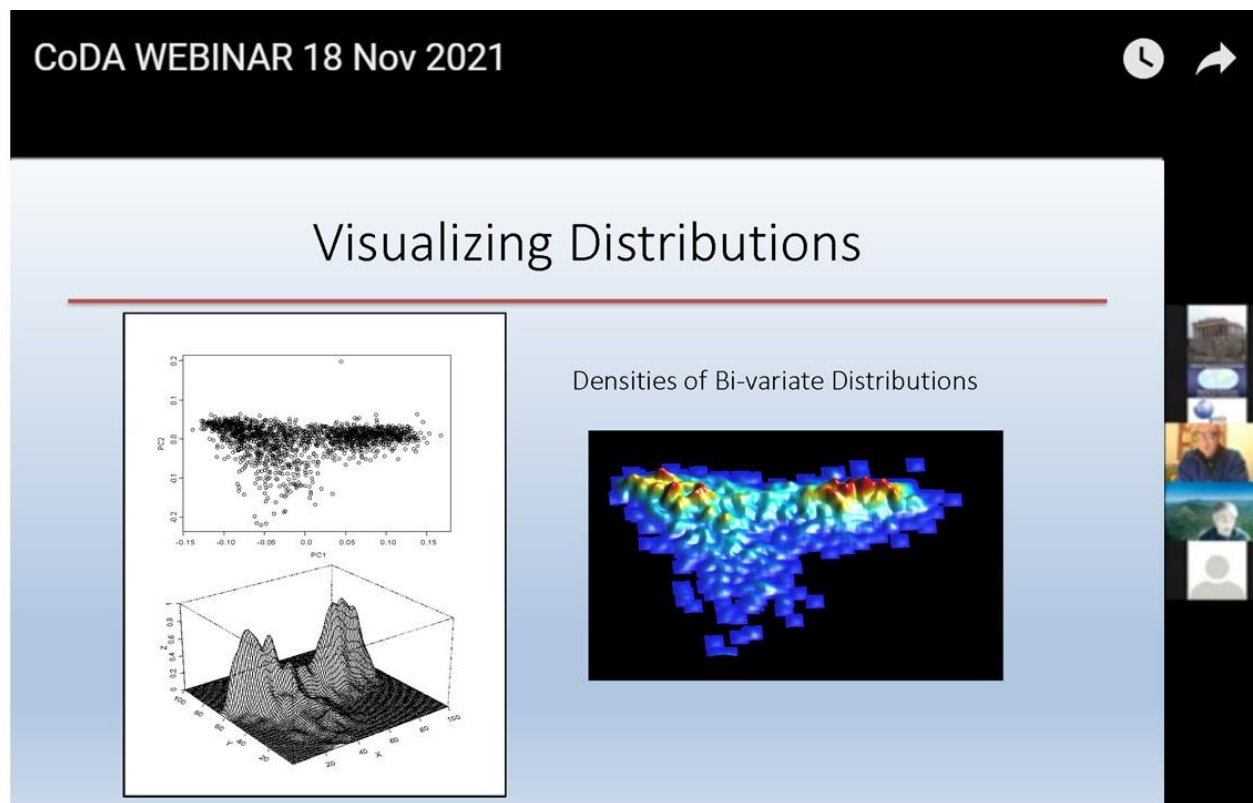


Figure 4. Screenshot of CoDa webinar presented by Eric Grunsky and Michael Greenacre



8. News from INHIGEO Anniversaries:

Roderick Murchison's Visit to Tcheketau Peak, Russia, 180 Years Ago

In 1845, Roderick Murchison, Edouard de Verneuil and Alexander von Keyserling published the two-volume book entitled *The Geology of Russia in Europe and the Ural Mountains* which reports on the results of two field seasons in Russia. In August of 1841, Murchison and his team were departing the Urals, when they decided to make a detour to inspect an unusual occurrence of limestone mountains surrounded by gypsum-bearing sandstones and marls near Sterlitamak. Murchison made a crucial observation on this excursion concerning the stratigraphic base of the Permian System.

To know more, open the links below:

<http://www.inhigeo.com/anniversaries.html>

https://www.inhigeo.com/anniversaries/INHIGEO_Diemer_Murchison.pdf

10. IUGS Nominating Committee: Report on first Virtual meeting

The first meeting of the IUGS Nominating Committee (NC, 2020-2024) was held virtually on 6 December, 2021. The meeting was organized by the NC Chair Prof. Qiuming Cheng with the attendance of all the 6 NC members from Namibia, Colombia, Spain, Germany, USA and Russia.

During the meeting, the NC got familiarized with the IUGS Statutes and Bylaws regarding the functions and duties of the NC and discussed extensively on the principles and criteria of nominations. With the consideration of the timeline requirements set out in the Statutes and Bylaws and in order to allocate sufficient time for nominations, the NC proposed the following work plan:

January 2023: Send out a call for nominations for the EC (2024-2028) (nomination deadline: 31 October, 2023)

July/August 2023: Send out reminders for nomination

November 2023: Send out a second call for nominations (if necessary) (extended deadline: 31 December, 2023)

January-March 2024: Discuss and put forward the slate of candidates by the NC

April 2024: Send the formal slate to the IUGS President to be distributed to the IUGS Council

August 2024: Be elected by the IUGS Council (August 25-31, 2024)

The NC will make full use of the IUGS website, E-Bulletin and the extensive international networking of IUGS to publicize the call for nominations as widely as possible to attract qualified and capable candidates with geographical distribution and gender balance to take up leading roles of IUGS.



Figure 5. NC Chair: Prof. Dr. Qiuming Cheng (China); NC Members: Mrs. Anna Nguno (Namibia), Dr. Jorge Gomez Tapias (Colombia), Prof. Dr. Jose Pedro Calvo Sorando (Spain), Mrs. Dr. Kristine Asch (Germany), Mrs. Prof. Dr. Suzanne Mahlburg Kay (USA), Mrs. Dr. Tatiana Tolmacheva (Russia)

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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