



News at a Glance

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1. **Hutchison Young Scientists Foundation travel awards**

IUGS Secretary General has issued a call for applications for **Hutchison Young Scientists Foundation travel awards** for young scientists to attend the 37th International Geological Congress in Busan, Korea, 25-31 August 2024. To know more open the link below:

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

https://www.iugs.org/_files/ugd/f1fc07_3ad62184e2be4321ad7b2a59b5180964.pdf?index=true

2. **IUGS call for awards, medals and volunteers to serve as expert panel**

The IUGS Secretary General issues a Call for Nominations for **the IUGS Awards/Medals: The Emile Argand, the James Harrison, and the Early Career Geoscientist** to be presented at the 37th IGC.

The Secretary general also issues a call for **volunteers to serve on Expert Panels** that evaluate nominees for the IUGS (Émile Argand and Early Career Scientist Medals) Please see detailed information in the Announcements and in the Terms of Reference in the links:

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

https://www.iugs.org/_files/ugd/f1fc07_d422d2550c0f4cf983ced0d0f35722e0.pdf?index=true

https://www.iugs.org/_files/ugd/f1fc07_786634e390ac495486fccbd46cdf0658.pdf?index=true

https://www.iugs.org/_files/ugd/f1fc07_44b9b69776424a15be0b1978f45784bb.pdf?index=true

https://www.iugs.org/_files/ugd/f1fc07_b12462a5135742c8a5ce736370d87749.pdf?index=true

https://www.iugs.org/_files/ugd/f1fc07_c81d921c6f164f9db4b87aa07d099d66.pdf?index=true

https://www.iugs.org/_files/ugd/f1fc07_7c60a0617ee943c9b946fd482d9aa5c0.pdf?index=true

https://www.iugs.org/_files/ugd/f1fc07_3b58254c407844d4b8593a59084ccfbd.pdf?index=true

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

Interforensics 2023, Brazil

Between 28-30 August, IUGS-IFG was represented at ‘Interforensics’ in Brazil, one of the largest forensic events in the world, and the most extensive in Latin America. It was attended by approximately 1000 forensic scientists from multi-disciplinary background including; practitioners, researchers and students. Forensic geology was one of the most popular and dynamic events requested by the audience. The presentations and discussions included Brazilian emeralds, forensic jewellery, forensic gemology, geophysical applied to forensic science and archaeology. There was also a special session on mining crime, including the techniques for combating fossil trafficking, the Clean Gold Program and Gold Rush Project, and forensic geophysics in Latin America.



Figure 1. Interforensics 2023, Brazil, showing presentations on forensic jewellery (left), student attendees (middle) and a master class given to the police and other specialists (source: Fabio Salvador, IUGS-IFG Co-officer for Latin America)

New Horizons in Forensic Geoscience, 4-5 December, London

Registration is now open for the London event, ‘*The Bedrock of International Security in Minerals, Mining, Metals, Murders and the Missing*’. This is a joint event by the International Union of Geological Sciences, Initiative on Forensic Geology (IUGS-IFG) The Forensic Geoscience Group of the Geological Society of London (GSL-FGG). Contributors from the UK and internationally, can present and debate the results of recent research and operational case studies in forensic



geology. This event will demonstrate where forensic geology has delivered to policy and practice with sessions on regulation and the law. The event will also focus on minerals, mining and metal crimes, search operations, geological trace evidence and policy. We anticipate this event attracting international delegates and will encourage this by enabling livestreaming of some of the presentations. Suppliers of equipment, software and services will also be invited to attend. The meeting therefore represents an invaluable opportunity for practitioners and researchers to exchange information about recent global developments in forensic geology. The link below provides information on tickets, registration and abstracts.

<https://www.eventbrite.co.uk/e/new-horizons-in-forensic-geoscience-the-bedrock-of-international-security-tickets-660965133507?aff=oddtcreator>

Major Copper theft reported in Europe

One of Europe's largest copper producers reported a huge theft, reported to be into hundreds of millions of Euros, associated with criminal activity, and reporting a fall in share price. The IUGS-IFG 'Special Project' in illegal mining and mining crime is evaluating these types of crimes and considering the role of geological strategies to help manage and mitigate the associated risks.

<https://www.ft.com/content/84dd94f3-4d1b-4180-8219-0a0a955e55ae>

<https://edition.cnn.com/2023/09/01/business/aurubis-copper-theft/index.html>

<https://www.reuters.com/markets/commodities/aurubis-shares-plunge-suspected-metal-theft-2023-09-01/>

<https://geoforenses.com/>

INTERPOL: Illegal Mining

Information from INTERPOL on illegal mining and associated crimes is available on the links below.

<https://www.interpol.int/en/Search-Page?search=illegal+mining>

<https://www.interpol.int/en/News-and-Events/News/2022/The-devastating-impact-of-illegal-gold-mining-in-Latin-America>

Guardian Reports on Operation Xapiri, Illegal Mining in the Amazon

The Guardian reports on Operation Xapiri, to neutralise illegal mining operations and gold mining camps in the Brazilian rainforest.

<https://www.theguardian.com/world/2023/aug/15/brazil-operations-against-mining-camps-amazon-rainforest>

4. News from INHIGEO

Occasion: Discovery of the Ice Age 200 years ago

Author: Geir Hestmark (Norway)

Title: *How Jens Esmark discovered the ice age in 1823 – serendipity and a prepared mind*

When Jens Esmark (1762–1839) in mid-June 1823 set out from the Norwegian capital on a three months long voyage, he certainly had no intention of discovering the Ice Age. When he claimed to present incontestable evidence that Norway and Northern Europe had once been covered by large ice sheets, enormous glaciers carving out valleys and fjords, polishing cliffs and transporting erratic boulders, only a few savants took his claim seriously.

Please open the link to know more: <http://www.inhigeo.com/anniversaries.html>



Figure 2. On left, portrait Jens Esmark. Courtesy of Norwegian Geological Survey. On right map of southern Norway, with white dotted line showing his voyage from June to September 1823. 1 = Christiania (Oslo); 2 = Rød, the home of Otto Tank; 3 = Enighed Copper Works and the site of the Esmark Moraine close to sea level; 4 = Steinsund, with polished Devonian conglomerate at sea level, Sula Islands; 5 = Grimeli Copper Works; 6 = Northern tip of Jostedalsbreen glacier, Rauddalsbreen with Otto Tank's Moraine at 1040 m above sea level.; 7 = Mjøsa boulder terrain. The letters refer to high peaks ascended and measured by Esmark between 1800 and 1810: A = Tronfjell; B = Rondane; C = Snøhetta; and D = Gausta. Source: Hestmark 2018.

5. News from IUGS Social Media

Students and Early Career Professionals in the Geosciences:

We want to know your opinion to better understand the career aspirations or challenges for students and early career professionals interested in Earth and Space Science.

Please take part in this survey <https://forms.office.com/r/brDqCedWy8> which will remain open until **December 2023**.



Students and Early Career Professionals in the Geosciences

Take Our Survey

The Global Geoscience Societies would like your feedback and insights on geoscience career opportunities to help us develop programs, resources, and tools to ensure you can excel in your chosen field.



AFRICAN GEOPHYSICAL SOCIETY

AMERICAN GEOSCIENCES INSTITUTE
connecting earth, science, and people

AGU ADVANCING EARTH AND SPACE SCIENCES

ASIA OCEANIA GEOSCIENCES SOCIETY
www.asiaoceania.org

DEUTSCHE GEOPHYSIKALISCHE GESELLSCHAFT
German Geophysical Society (DGG)
gegründet / founded 1922

EUROPEAN GEOSCIENCES UNION

GEOCHEMICAL SOCIETY

THE GEOLOGICAL SOCIETY OF AMERICA®

IUGS

IUGG UGGI
International Union of Geodesy and Geophysics
International Union of Geological Sciences

JAPAN GEOSCIENCE UNION
Earth, Planets and Space Center

Figure 3. QR code for taking part in Survey in Geosciences

6. ReSToRE 3 Summer School

The third in the series of ReSToRE Summer Schools will take place from 1 to 5 July 2024 at University College Dublin, Ireland. The meeting is being organised by iCRAG and IUGS, under the patronage of UNESCO.

The theme of the meeting is ‘Transitions; Society, Wind and Water.

ReSToRE 3 will draw from the social sciences, humanities, and natural and physical sciences to examine how we might transition to a low-carbon society in ways that are socially acceptable, economically affordable, and technically feasible.

A flyer announcing the meeting is attached. Further information is at <https://www.icrag-centre.org/restore/>



APPLICATIONS OPEN FROM 15TH SEPT TO 1ST DEC 2023
If you are an early-career researcher or professional, apply to join a highly diverse, global group at the ReSToRE interdisciplinary summer school.



Subscribe to the mailing list on our website to be kept up to date on application process.
ENQUIRIES:
restore@icrag-centre.org
FOR MORE INFORMATION:
icrag-centre.org/restore



Under the Patronage of UNESCO



Figure 4. ReSToRE 3 Announcement

7. News from the Commission on Global Geochemical Baselines (CGGB)

The [PanAfGeo-2](#) project, funded by the European Commission and coordinated by the [Bureau de Recherches Géologiques et Minières](#) (BRGM) with [EuroGeoSurveys](#) and [Organisation of African Geological Surveys](#) (OAGS), supports the training of the OAGS geoscientific staff in professional geoscientific skills. In the framework of this project, a training workshop was organised on “[Successful Mineral Resource Assessment Training](#)” in Quelimane in Mozambique from the 19th to the 29th of June 2023 (Figure 5). The training focussed on lithium-rich pegmatites of Alto Ligonha, and had a total duration of 37 hours, with presentations of 1:00 h and 1:30 h. There were 2 practical classes, and a two-day field trip to visit the Muiane Mine and the Naípa underground and open pit mine. Both mines exploit tantalum minerals contained in pegmatitic rocks. The training included various topics of mineral exploration, such as portable-XRF and the advantages of using this technique in the early phase of mineral exploration and how to read, with caution, the data produced. The training also included lectures on data treatment, with practical exercises, and statistical approaches with different quality of data. Geochemical mapping training was included,

and the use of the methods and techniques described in the *International Union of Geological Sciences Manual of Standard Methods for Establishing the Global Geochemical Reference Network* were explained in the classroom.

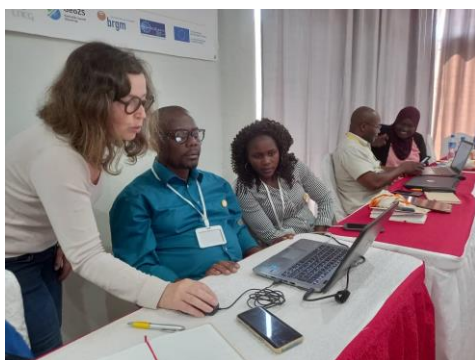
ANNOUNCEMENT: The [IUGS Commission on Global Geochemical Baselines](#) (IUGS-CGGB) and the Group of Geochemistry Experts of the [Asociación de Servicios de Geología y Minería Iberoamericanos](#) (ASGMI-GECEOQ) are organising a Webinar on the 8th of November 2023 with the title “*Geochemical Mapping in Latin America and the Caribbean: Geochemical Knowledge for Societal Use*”. Details and registration can be found at <https://www.globalgeochemicalbaselines.eu/content/200/webinars/>.



(a)



(b)



(c)



(d)

Figure 5. (a) Group photograph of the Mozambique workshop trainees; (b) partial group photograph of the trainees in the classroom; (c) Maria João Batista teaching trainees about database preparation for geochemical map plotting; (d) Maria giving the attendance certificate to one of the trainees.



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)

yamirka.rojas@ifg.uni-kiel.de (Editor, Social Media)

mdaniela.munozg@gmail.com (Social Media)

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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