

## News at a Glance

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### 1. News from 37<sup>th</sup> IGC

The organizing committee of the 37th International Geological Congress in 2024 (IGC 2024) and the Geological Society of Korea together with Busan Metropolitan Government, held the Busan International Forum for UNESCO Global Geoparks at BEXCO and the Busan GeoPark on July 28 and 29.

The Forum, proposed the certification of the Busan UNESCO Global GeoPark and encouraged the success of IGC 2024; it was conducted as a forum and an on-site visit program for 2 days. Experts who have experiences in participating in the certification of Global GeoPark attended the Forum, providing advices for the certification of the Busan UNESCO Global GeoPark. In addition, the IGC trophy handover ceremony was held during the Forum. The organizing committee of 36th IGC transferred the IGC trophy to the Organizing Committee of Korea, the next host country, announcing the beginning of IGC 2024.



Figure 1. IGC trophy handover ceremony in Busan, South Korea.



## 2. Call for nominations for IUGS-EC

Due to the untimely passing of IUGS Councillor Carlos Cónsole-Gonella, the IUGS Executive Committee calls for nominations to fill the term of 2022-2026 on the Executive Committee. Please submit nominations by September 16, 2022, to the IUGS Secretariat ([secretariat@iugs.org](mailto:secretariat@iugs.org)). Nominations must include a letter of nomination, the candidate's CV, and a statement of interest that indicates a willingness to serve if so elected. Nominations of those from under-represented groups and regions are especially encouraged.

To know more open the link below:

[https://www.iugs.org/files/ugd/f1fc07\\_eed4d6d9969e4cc0b12e8584228be24a.pdf?index=true](https://www.iugs.org/files/ugd/f1fc07_eed4d6d9969e4cc0b12e8584228be24a.pdf?index=true)

## 3. Message from IUGS President Prof. John Ludden

### a. IUGS has joined the International Year of Basic Science for Sustainable Development (IYBSSD)

Basic sciences are the sine qua non for sustainable development Agenda 2030. Sustainable Development is the ambitious program that the Member States of the United Nations have agreed on to ensure a balanced, sustainable and inclusive development of the planet.

The International Year of Basic Sciences for Sustainable Development, focuses on the links between basic sciences and the Sustainable Development Goals. This is a unique opportunity to convince all stakeholders that through a basic understanding of nature, actions taken will be more effective, for the common good. As a partner IUGS will advise and decide about IYBSSD2022 international program and contribute to actions and programs about sustainable development.

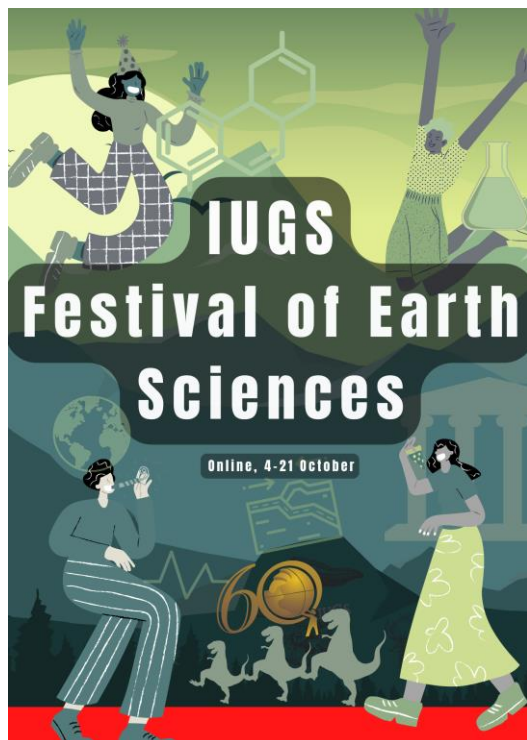
<https://www.iybssd2022.org/en/home/>

### b. African Nations Join IUGS

IUGS is very pleased to welcome two new African nations into its membership. Kenya which will be represented by the Geological Society of Kenya Secretariat, Geological Society of Kenya [info@gsk.or.ke](mailto:info@gsk.or.ke) president Chrysanthus Gicheruh <[gichmuch@yahoo.com](mailto:gichmuch@yahoo.com)>; Vice President, Geological Society Kenya [vicepresident@gsk.or.ke](mailto:vicepresident@gsk.or.ke) Dr. Christine Omuombo. IUGS shall be working closely with the GSK on planning of events in Africa in 2023.

Algeria has also joined the IUGS with the membership being covered by the Centre de Recherche en Astronomie Astrophysique et Géophysique (CRAAG) in Algiers, ALGERIA Represented by Professor Yelles-Chaouche Abdel Karim. Thanks to Professor Hassina Mouri from the executive for her work in helping these nations join IUGS.

#### 4. IUGS@60 News



a. The IUGS@60 team have been working with the various commissions, task forces and programme leaders within IUGS, on our plans for the IUGS Earth Sciences Festival. This will be held in October and is shaping up to be an exciting couple of weeks of events which we hope the geoscience community will enjoy. Full details and festival lineup will be released in the September newsletter.

The Earth Futures Festival team received over 900 film submissions of which the curators have selected 21 films in 7 categories, these being; Geoscience professionals, Women in Geoscience, Community, Indigenous and First Nations, Media Professionals, University and Vocational Students and last but not least... Primary and High School Students. These films will be aired with linked geoscience discussions at a range of venues around the world including; at the Australian Museum in Sydney, at UNESCO Headquarters (Paris), and at the Columbia Climate School (New York City). Some of the events will be streamed online.

## Earth Futures Festival.

### Finalist Films Geoscience Professionals

- Pelosis - Asses Care on a Trip to Italy** (Italy)
- ROLA (Roma)** (Italy)
- Inception Horizon** (Italy)

### Finalist Films Women in Geoscience

- The Broken Lady Project** (Australia)
- Meristo del Ruiz: A Legacy for Science** (Spain)
- Magnetic Moments** (USA)

### Finalist Films Community

- I love you Inobububu** (Japan)
- Integrating cultural heritage in cities** (Italy)
- Hot Planet: Geology / Rocks by Francesco Bondi** (Italy)

### Finalist Films Indigenous and First Nations

- The Road - Cien Pluvas** (Chile)
- Monggulun Women Museum Project - Sharing Desert Stories** (Australia)
- Peace Pipeline** (USA)

### Finalist Films Media Professionals

- JERBALEH GUARDIAN OF THE POOL** (Indonesia)
- BATIS** (Indonesia)
- A & CURE** (USA)

### Finalist Films University and Vocational Students

- The Shrinking Tide** (USA)
- Journey to extinction** (USA)
- From the Sun Water Seed to Stars** (USA)

### Finalist Films Primary and High School Students

- Maya** (USA)
- The Living Sea** (USA)
- Earth's Apocalypse** (USA)

Figure 3. Posters of IUGS Festival of Earth Sciences

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b. Coinciding with our 60<sup>th</sup> year, our much valued affiliates Geology for Global Development, have prepared a fully open-access module on ‘Geoscience and Sustainable Development’. The module includes eight classes: the UN Sustainable Development Goals, Working in the Global South, Decarbonisation, Disaster Risk Reduction, Water Security, Health and Land Degradation, Sustainable Urban Development, and Reducing Inequalities. [Access the learning resources \(in English and French\) here](#). This project was supported by the International Union of Geological Sciences (IUGS) and the UNESCO/IUGS International Geoscience Programme Project 685 - Geoscience for Sustainable Development.

## **5. News from the IUGS Initiative on Forensic Geology (IFG)**

### **a. World Congress of Soil Science (WCSS), Glasgow, Scotland,**

On 3 August 2022, IUGS-IFG, in collaboration ISSS, BSSS and GSL-FGG, ran a session called, *'The application of soil science in the criminal justice system'*, which included; 'The Role of physical evidence in the investigation/detection of major crime in Scotland', 'Trace evidence between soil on footwear and reference site locations: applications to a murder investigation', 'Geology and civil protection: when foreseeable hydrological disasters cause victims', 'Forensic fingerprinting (provenance determination) in the predictive geolocation of the global trade in illicit minerals and metals', and 'Soil material evidence in two crime investigations both primary and secondary transferences of soil materials'.  
<https://22wcss.org/>

### **b. Training in Search and Geological Evidence Recovery, Police Scotland**

Training in search for burials and geological evidence recovery for approximately 20 police officers and forensic scientists. This included the provision of worksheets and IUGS-IFG commissioned professional training video for Police Scotland.

### **c. Public lecture on Forensic Geology, Chiba City Museum of Science, Japan**

On 2 July 2022, a IUGS-IFG public lecture on forensic geology was a part of lecture series called, *'Science class for adults'*, which is regularly held at Chiba museum in Japan, inviting guest scientists to give public lectures.

### **d. Geoforensic Workshop, Rio Claro, Brazil**

An IUGS-IFG Student Chapter geoforensic workshop takes place on 17-18 August 2022. The event will be online with a live broadcast on YouTube. <https://geoforenses.com/>

### **e. Isotopes used for solving crime, South America**

Isotopes and forensic geology are used to investigate crimes against human life, ballistics, environmental crimes, fires, identification of illicit drugs, drug counterfeiting and tracking minerals commodities.

<https://geoforenses.com/2022/04/isotopos-como-ferramentas-para-resolucao-de-crimes/>

### **f. Forensic geology and the illegal trade in Museum artefacts**

The link below provides information and case examples on the applications of geoforensics and the illegal trade of museum artefacts. <https://geoforenses.com/2022/07/comercio-ilegal-e-monopolio-de-artefatos-museologicos/>

### **g. Geoforensics helps Brazilian police discover the origin and routes of cocaine**

The Institute of Geosciences (IGC) at the University of São Paulo (USP), Brazil, is collaborating with the Federal Police (PF) to identify the origin and routes of cocaine trafficking from production in Andean countries. <https://geoforenses.com/#calendario>

<https://geoforenses.com/2022/04/dialogo-america-ciencia-ayuda-a-policia-brasileira-a-descubrir-a-origem-e-as-rotas-da-cocaina/>

Science helps Brazilian police discover the origin and routes of cocaine – Dialogo Americas

#### **h. Gold smuggling, Australia**

Illegal gold smuggling and money laundering has been investigated by the Australian Federal Police.

<https://www.afp.gov.au/news-media/media-releases/sydney-man-and-woman-charged-money-laundering>

#### **6. News from INHIGEO Anniversaries**

Geological Map of France 200 years ago (Author: Pierre Savaton (France))

Title: The contribution of the 1822 map by Jean-Baptiste Julien d'Omalus d'Halloy to the geological cartography of France

As early as 1810, Coquebert de Montbret, chief editor of the *Journal des Mines* and director of statistics at the Ministry of the Interior, was asked to establish a mineralogical map of the Empire. Although he had already made his own observations a few years earlier, due to his responsibilities as director, he immediately entrusted this task to Jean-Baptiste Julien d'Omalus d'Halloy, a young geologist from Liege whose exceptional work in his study on the geology of Northern France had already been remarked upon by his peers.

To know more open the links below:

[https://www.inhigeo.com/anniversaries/Savaton\\_Map\\_France\\_Omalus\\_Halloy\\_200years\\_ago.pdf](https://www.inhigeo.com/anniversaries/Savaton_Map_France_Omalus_Halloy_200years_ago.pdf)

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

#### **7. IUGS Report 2021-2022 for the SCGES (Standing Committee for Gender Equality in Science)**

IUGS is an active member of this committee and holds gender equality (and all types of equality) as a major goal in the Union. Please download the report in the link below:

[https://www.iugs.org/\\_files/ugd/f1fc07\\_c5f5a80a77524ad1930de8075c3d6596.pdf?index=true](https://www.iugs.org/_files/ugd/f1fc07_c5f5a80a77524ad1930de8075c3d6596.pdf?index=true)

#### **8. Obituary of IUGS councillor Carlos Cónsole-Gonella**

With heavy hearts, the members of the IUGS Executive Committee announce the passing in July of IUGS Councillor Carlos Cónsole-Gonella following a short-lived battle against an aggressive cancer. Carlos was nominated for the position on the EC by the YES (Young Earth Scientists) Network in which he was active for many years. He was elected as Councillor for the term of 2022-2026 by the IUGS-IGC Council in 2020. Carlos was rapidly establishing himself as a researcher for the Argentine Research Council (CONICET). He held teaching positions at the National University of Tucumán, Argentina, from which he received his PhD and at the Autonomous University of Entre Ríos. He was already a productive researcher in sedimentology and ichnology with 19 papers in peer reviewed journals, presentations at 40 conferences worldwide, and service as associate editor for *Serie Correlación Geológica*, Argentina. Carlos had so much to offer the world. His passing is a great tragedy for his young family, his colleagues and friends in Tucumán, and the IUGS community.



**Figure 2. IUGS councillor Carlos Cónsole-Gonella.**

**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](mailto:gurmeet28374@gmail.com) (e-Bulletin Editor-in-Chief)  
[giuseppe.dicapua@ingv.it](mailto:giuseppe.dicapua@ingv.it) (Webmaster)  
[gurmeet28374@gmail.com](mailto: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 16<sup>th</sup> 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 25<sup>th</sup> 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.

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#### 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](mailto:giuseppe.dicapua@ingv.it)
- To be added to or removed from the IUGS e-Bulletin distribution list, please mail to: [iugs.beijing@gmail.com](mailto:iugs.beijing@gmail.com) or [secretariat@iugs.org](mailto:secretariat@iugs.org).
- Follow the IUGS on Social Media! We are on [Facebook](#), [Twitter](#), and [LinkedIn](#).
- Check the IUGS website: <http://www.iugs.org/>

*Edited by: Dr. Gurmeet Kaur, Panjab University, Chandigarh, India*

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