



## News at a Glance

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### 1. IUGS EC Meeting in Paris (France)

From 15 to 18 March 2022 the IUGS met in Paris (France) for its 77th Executive Meeting. The meeting took place in hybrid mode, with fifty-six people attending, 26 present and the rest in virtual mode. Several topics and issues were presented and discussed, such as those related to IUGS Joint Programs, the IUGS Big Science Program Deep-time Digital Earth (DDE). Information was given on the next International Geological Congress in Busan (South Korea) in 2024.

Annual reports were presented by the IUGS Committees, Commissions, Task Groups, and Initiatives, as well as by IUGS Adhering and Affiliated Organizations.



**Figure1. IUGS EC meeting in progress in Paris (Picture courtesy: Dolores Pereira)**



## 2. IUGS statement on the Russian Federation's invasion of Ukraine

A discussion also took place at the EC meeting about the present geopolitical situation. The president of IUGS, John Ludden, presented the IUGS statement on the Russian Federation's invasion of Ukraine (<https://www.iugs.org/>)



To the leaders of all IUGS committees, commissions, and activities,

The International Union of Geological Science (IUGS) has published its statement in reaction to the invasion of Ukraine by the Russian Federation. Our statement requires that active involvement of scientists from Russian institutions in IUGS groups and activities should cease until further notice. This includes withdrawing the offer to host the International Geological Congress in St. Petersburg, Russia in 2028.

The scientific community in Russia provides highly valuable contributions to the commissions and publications of IUGS. We note that an impressive number of Russian scientists have distanced themselves for their governments decision and we are proud of their courage. Our actions at this time are not personally directed towards our colleagues, but we must firmly oppose the aggressive actions of the Russian government.

This statement was agreed by the IUGS executive in Paris, France on the 18<sup>th</sup> March 2022.

Professor John Ludden CBE, FRSE, MEA, RAS

Figure 2. IUGS statement on the Russian Federation's invasion of Ukraine



### 3. IUGS James M. Harrison award

At the 77th meeting of the IUGS EC in Paris, Dr. Peter Bobrowsky received the IUGS James M. Harrison award for his continuous work and support to the Union. He has always been engaged with the IUGS activities: in Commissions, Committees, and many other working groups. He has also been IUGS Vice-president, elected in 2000, and Secretary General, elected in 2004 and 2008. Peter has always been a great colleague and a role model for the whole IUGS Community.



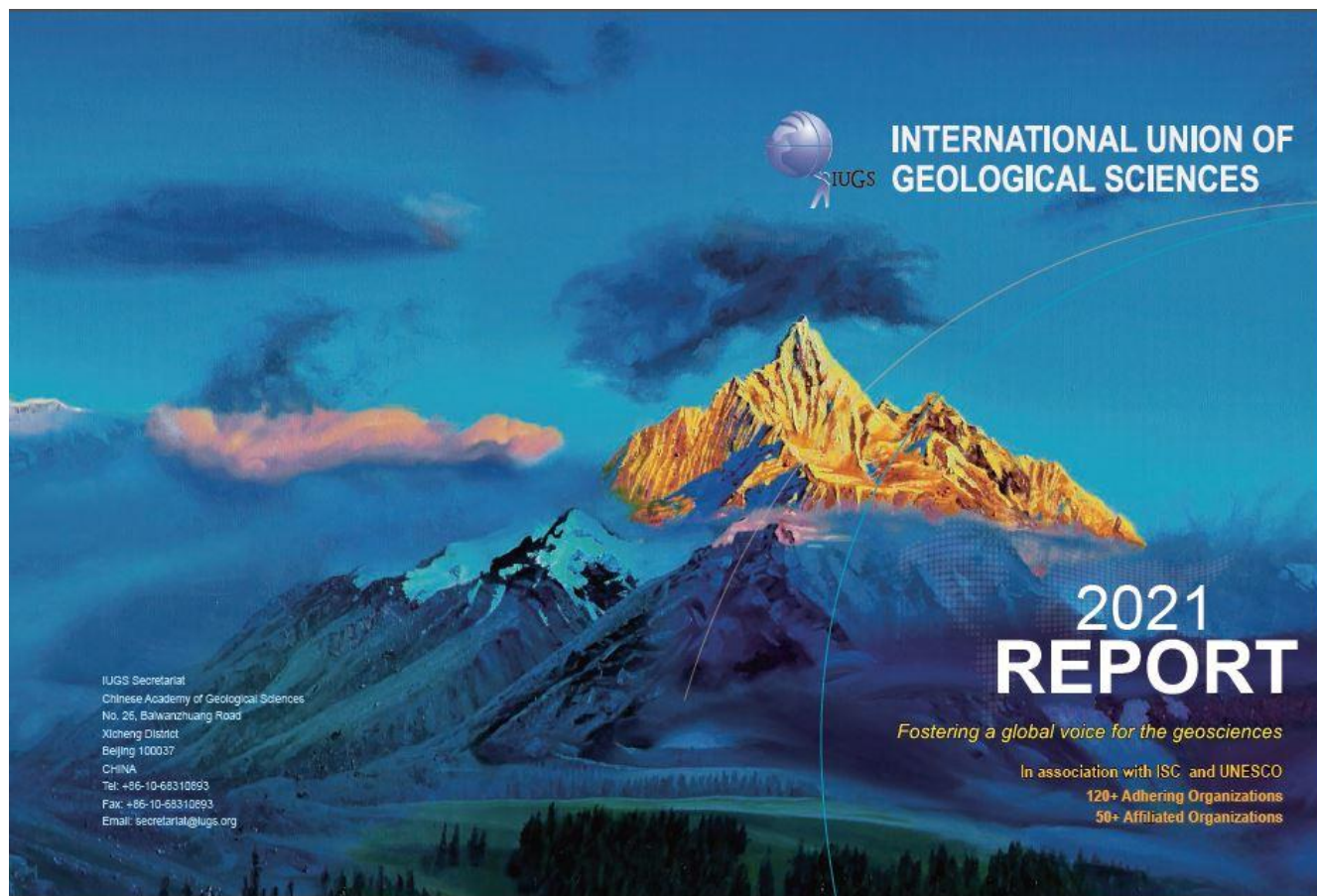
**Figure 3. Peter Bobrowsky receiving the J.M. Harrison medal from the IUGS president John Ludden (left) and IUGS Secretary General Stan Finney (right). (Picture courtesy: Giuseppe di Capua)**



#### 4. IUGS Annual report 2021 is online now

Download the same from the link below:

[https://www.iugs.org/\\_files/ugd/f1fc07\\_0ca51fe70e7444a5aff1fcdeeed5c13.pdf?index=true](https://www.iugs.org/_files/ugd/f1fc07_0ca51fe70e7444a5aff1fcdeeed5c13.pdf?index=true)



**Figure 4. IUGS Annual Report 2021**

#### 5. IUGS@60 News

It has been an action-packed month for IUGS@60 celebrations:

We have an overall winner of the January “What on Earth quiz”. We are pleased to announce the winner is Tejaswai Lakkundi from India.

Thank you to all who voted in the IUGS photography competition. From the stunning geo-image collection provided by talented USA photographer Parker Burkett, the breath-taking image of Iceland’s columnar basalts has been selected by the geoscience community to be entered into the final competition round in December 2022. This month we are showcasing the works of Jandré Germishuizen, a travel adventure photographer from Namibia: <https://iugs60.org/march-photography->



[competition/](#). Please help choose which of these superb desert images makes it into the IUGS “Showcasing our Earth” competition final at the end of the year.



**Figure 5. Iceland’s columnar basalts (Copyright: Parker Burkett)**

The IUGS@60 team have been busy helping various commissions, task forces, programs and initiative leads create engaging social media content to help promote their brilliant work which they carry out for the IUGS and for society as a whole. Following on from these event-reconnaissance meetings, a number of bespoke events are now in planning for delivery later on in the year.

During the 2022 IUGS annual meeting on 16-18<sup>th</sup> March in Paris President John Ludden presented the highlights of the IUGS@60 activities carried out so far this year and shared plans for the role out of a series of 60<sup>th</sup> anniversary celebrations over the rest of the year.

As part of the IUGS@60 celebrations the IUGS Earth Stewards (<https://iugs60.org/earth-stewards/>) attended the 36<sup>th</sup> IGC meeting in India (virtually) and were commissioned by IUGS to act as independent environmental observers. Their reports and short video commentary of the various sessions will be published on the IUGS60.org site in the next week.



The main IUGS@60 event for March has been the very popular World Water Day event:

<https://iugs60.org/world-water-day/>. More than 15 world-leading geoscientists took part in it. We owe a big thank you to all IUGS members and the International Science Council in particular, for helping promote this event. To know more login @ <https://iugs60.org/>

Ever thought you might like to make a film about geoscience? Don't miss the Earth Futures Festival's first [#filmmaking](#) workshop on the 30<sup>th</sup> March 2022. Join their experienced team to find out how to turn a great idea or story into film. Leading this workshop is Simon J. Heath who's directed and produced content for BBC's Horizon, ABC-TV's Catalyst, Nat Geo, & Discovery Channel. Register via the QR codes @ [AuScope](#)

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

### **IUGS-IFG Supports the Search for the Forced Disappeared in Latin America**

IUGS-IFG Officers for Latin America collaborate with CYTED (the Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo), created by the governments of Iberoamerican countries to promote cooperation in science, technology and innovation.

[https://www.cytel.org/?q=es/detalle\\_proyecto&un=1036](https://www.cytel.org/?q=es/detalle_proyecto&un=1036)

<https://geoforenses.com/riif/>

### **Forensic Geology at GAC-MAC, Halifax, Nova Scotia, Canada**

A session on forensic geology will be held at the Annual Meeting of the Geological Association of Canada (GAC) and Mineralogical Association of Canada (MAC), 15-18 May 2022.

<https://gac.ca/gac-mac-halifax2022/>

### **Forensic Geology at Japan Geoscience Union**

A session on forensic geology will be held at the annual Japan Geoscience Union meeting (JpGU) on 28 May 2022.

(EN) [https://www.jpгу.org/meeting\\_e2022/mail/mail20220217.html](https://www.jpгу.org/meeting_e2022/mail/mail20220217.html)

(JP) [https://www.jpгу.org/meeting\\_j2022/mail/mail20220217.html](https://www.jpгу.org/meeting_j2022/mail/mail20220217.html)

[http://www.jpгу.org/meeting\\_e2022/files/session\\_schedule\\_1214\\_e.pdf](http://www.jpгу.org/meeting_e2022/files/session_schedule_1214_e.pdf)

### **XXVI National Criminalistics Congress**

The National Congress of Criminalistics (CNC) is the most traditional event of Criminal Forensics and Forensic Sciences in Latin America. In 2022, it will celebrate the XXVI edition, simultaneously with the IX International Congress of Forensic Experts and the XXVI Exhibition of Technologies Applied to Criminalistics. The CNC is an itinerant event of the Brazilian Criminalistic Association (ABC), held every two years, traditionally in odd-numbered years, and takes place on 17-20 May 2022.

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

### **The environmental impact of lead and cadmium from mining in Boquira, Bahia, South America**

The following YouTube link provided information on the impact of lead and cadmium mining.

<https://www.youtube.com/watch?v=6onaCOR6qos>

### **Forensic geology link to YouTube**



Forensic Geology is the area of criminalistics that is concerned with the application of geological data and techniques in the investigation of questions from police investigations and judicial proceedings that may reach the courts. The following YouTube link provides further information (in Portuguese).

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

#### **National Bank of Gold Profiles (BANPA)**

Under the coordination of the Technical-Scientific Directorate (DITEC) of the Federal Police, the Ouro Alvo Program aims to create and promote the first National Bank of Gold Profiles (BANPA) in Brazil, with the purpose of assisting in investigations related to money laundering, organized crime, terrorist financing, environmental crimes, risks and vulnerabilities associated with gold in Latin America. In this way, protocols could be developed for tracking the origin of illegally seized gold, especially those extracted clandestinely in irregular mining in the Amazon Biome. For this, isotopic and spectroscopic methods will be applied in order to characterize these metals.

<https://geoforenses.com/projetos/>

#### **IUGS-IFG in Paris**

The IFG Chair was invited to the IUGS 77th Executive Committee meeting, held on 16-18 March 2022, at the Société Géologique France, in Paris. A financial statement of the IFG accounts and overview of IFG events were provided that took place throughout 2021, and a project plan given for activities during 2022-2023. This included a summary of the IFG Special Project on crimes in the global metals, mining and minerals industries.

#### **7. News from INHIGEO Anniversaries**

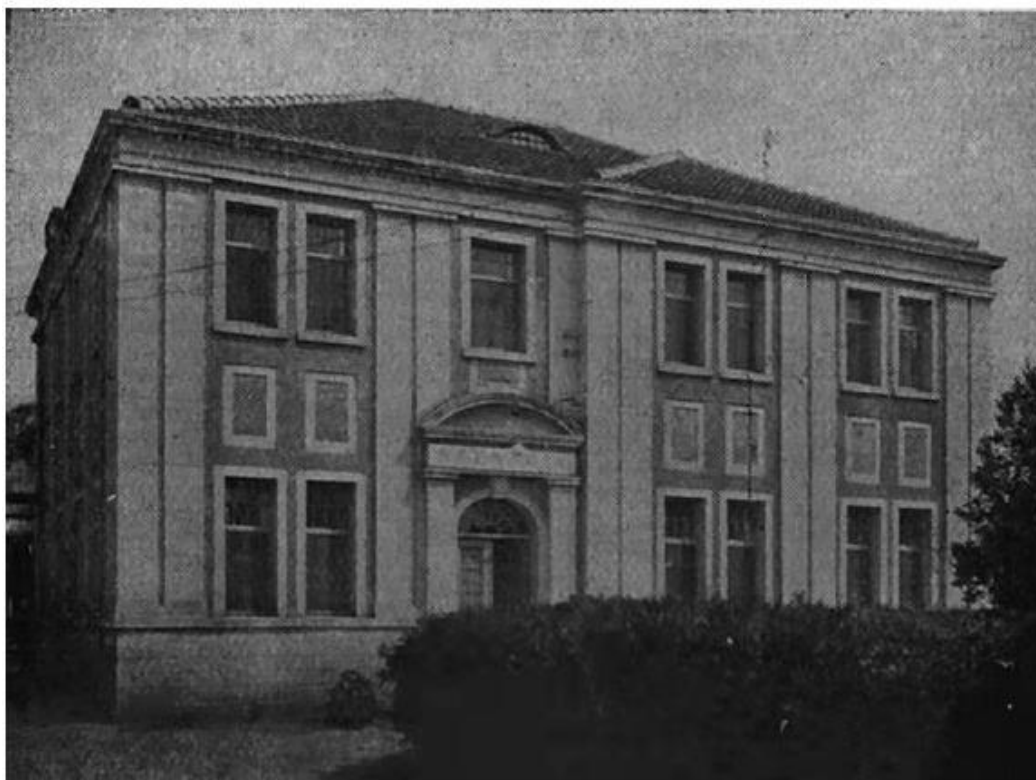
Authors: Jiuchen Zhang, Jingfei Zhang and Gengshen Zhan

Title: GEOLOGICAL SOCIETY OF CHINA: FOUNDATION AND DEVELOPMENT

In 1922, the Geological Society of China was founded and on January 27<sup>th</sup>, in the newly built library of the Geological Survey of China in Bing-masi Hutong, Beijing, 26 Chinese and foreign geologists working in China attended the inaugural meeting of the Society. The membership of the Society was not limited by nationality. In the early days of its establishment, the members of the Society included not only Chinese geologists, but also scholars (Some of them were working in China) from the United States, Russia, France, Britain, Sweden, Japan, Belgium, the Czech Republic and Austria. This inclusiveness of the Society soon made it an academic exchange centre within the Chinese geological community

To know more open, the link:

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



**Figure 6. The building of the Geological Survey of China, Beijing**

### **8. News from IUGS-IAG**

The 10<sup>th</sup> International Conference of the International Association of Geomorphologists (IAG) will take place in Coimbra, Portugal from 12 to 16 September 2022 under the theme “*Geomorphology and Global Change*”. The conference is organized by IAG (an [IUGS](#) affiliated organisation) and the Portuguese Association of Geomorphologists (APGeom), and co-organized by the Centre of Studies in Geography and Spatial Planning (CEGOT), the Department of Geography and Tourism (University of Coimbra), and the Department of Earth Sciences (University of Coimbra). Please join the conference for an outstanding scientific programme on Geomorphology, fascinating field trips to explore the diverse geomorphology of Portugal and inclusive networking opportunities. The conference offers 25 thematic sessions representing the latest innovations in theoretical, methodological and applied approaches in Geomorphology. Several multi-day pre/post-conference and one-day mid-conference field trips such as to the Cape Verde and Azores islands, Serra da Estrela or Lisbon Region etc. are offered around the conference dates. The International Association of Geomorphologists will offer a number of grants to favour the participation of Early Career researchers worldwide who are willing to take part in the 10<sup>th</sup> International Conference on Geomorphology and the related Intensive Course to be held after the conference. Priority for grants will be given to Early Career Geomorphologists from less-favoured



countries worldwide and to applicants who intend to participate in the Intensive Course. Taking into account the uncertain situation in Europe and the rapidly evolving pandemic, it has been decided to extend the abstract deadline to 20<sup>th</sup> April for the International Conference on Geomorphology to be held in person in Coimbra. The deadline for early bird registration is 31 May 2022. Detailed information on the conference can be found here:

<https://www.icg2022.eu/>

<http://www.geomorph.org/>



Figure 7. 10<sup>th</sup> International Conference on Geomorphology IUGS-IAG

## 9. News from IUGS TecTask

The Italian Geological Society (SGI) and the Italian Society of Mineralogy and Petrology (SIMP) organize a Joint Congress entitled *Geosciences for a sustainable future*, which will be held in Turin 19<sup>th</sup>-21<sup>st</sup> September 2022. The Congress consists of three days, with Scientific sessions that focus on the main Geosciences themes and include plenary conferences of international scholars, round tables, forums, and workshops on topics of significant geological-social impact and major issues of public interest. Pre-meeting and post-meeting field trips are also planned.

The Congress will also be the occasion to critically think on the role of the Geosciences in a More Sustainable Future for our Society and Planet, on the position they deserve and the role they must take on in the formation of citizens, protection from natural hazards, and preservation of cultural and natural heritage, that make Italy a unique place in the World. Particular attention will be given to young researchers, PhDs, and students through events and meetings specifically designed to expand their networks, facilitate intercultural discussion and information exchange that will aid to make progress in their research and future studies planning.

The IUGS Commission on Tectonics and Structural Geology (IUGS-TecTask) is involved in the organization of several sessions.



Abstracts submission is open from 1st March 2022 to 20th April 2022. The deadline of the Early Registration is 21 June 2022.

For more information please see the conference website:

<https://geoscienze.org/torino2022/index.php/en/>

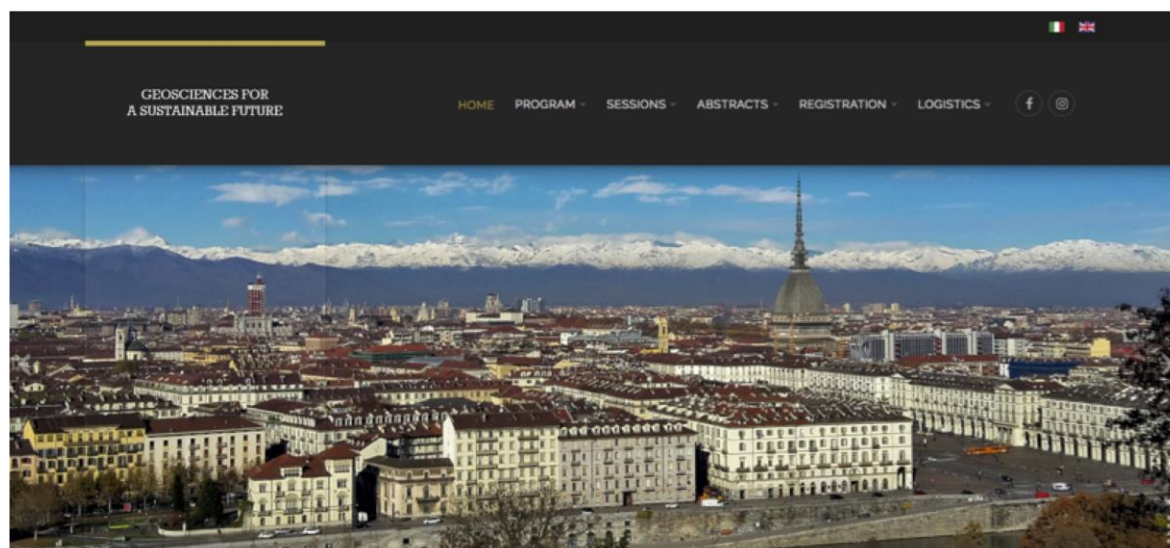


Figure 8. Screen shot of the website homepage

## 10. IUGS-UNESCO-IGCP: IGCP Council 7<sup>th</sup> Session

<https://articles.unesco.org/en/articles/celebrating-its-50th-anniversary-international-geoscience-programme-has-now-60-projects>

IGCP Annual report is available from <https://unesdoc.unesco.org/ark:/48223/pf0000380946>

## 11. Chris King, Chair of IUGS-COGE (2016-2022)

Obituary by Gary Lewis (IUGS-COGE Chair 2004-2010) and Jesús Martínez Frías (IUGS-COGE Chair 2010-2016)

Chris King passed away in Wells (England) on the 18th of February. Chris was in the original team that started the IUGS Commission for Geoscience Education. We convened a meeting in Boulder Colorado where a small group of us designed the future directions of COGE and worked out how it could work with all the other international Earths science groups - to be a building organization. Chris was a fundamental keystone in that process as he was deeply involved in IGEO and the setting up and running of GeoSciEd conferences. He became the Chair of the Commission just a few years ago and lead it to support educators in developing nations. Chris was always an amazing leader in our Earth Science Education community. He was so levelheaded and treated everyone with vast amounts of dignity, support and understanding. He was a 'gentleman' in all senses of the word. His moderate and smart humour marked a way of thinking and working, creating a net of geoeeducational synergies.



Our community and the world of Earth science education is a hugely better place because of Chris. His legacy is truly international. He has touched the hearts of all around the globe and will be a model for future generations as an example of great human being and great geoscientist, who devoted his entire life to earth science education.



**Figure 9. Chris King (third from the left) with COGE colleagues at the IGC in Brisbane (2012). Picture provided by JMF.**

**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)

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[giuseppe.dicapua@ingv.it](mailto:giuseppe.dicapua@ingv.it)

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(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/>

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