

News at a Glance

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1. IUGS@60 News

To mark Earth Day 2022 the IUGS took part and organized a number of online events. The main event ‘The State of the Planet’ comprised a series of talks, a discussion panel which included world-leading experts from IUGS, UNEP, IPCC, UNESCO, FAO and breakout room discussions, hosted by IUGS Young Earth Ambassadors: <https://iugs60.org/state-of-the-planet/>

If you missed this event but would like to catch up, here is a link to the recording of the event: <https://youtu.be/CkdBRyYqdKE>.

The same day, the IUGS joined teams with AGU and a number of other key geoscience organizations to release a joint Earth Day statement: <https://iugs60.org/earth-day-2022/>. We would like to thank our joint partners for organizing this great initiative. The IUGS commissions, Program and Initiative leaders also took this opportunity to share, in the form of a composite video, their own Earth Day messages. This can be accessed by clicking this link : <https://youtu.be/nN6Hv1r9pNY>.

On 16-17th of May, the IUGS president Professor John Ludden and Dr Ozlem Lopes will be presenting at the Geological Association of Canada (GAC) conference in Halifax. <https://halifax2022.atlanticgeosciencesociety.ca/>. This year’s Symposium SY-04 will focus on the IUGS, Geoparks and IGCP – Retrospection, today and the future – Canadian contributions. For details of this event the program can be found here: <https://iugs60.org/gac-symposium-2022/>.

Also coming up in May, is an important event for the IUGS stratigraphy community in particular. At an important ceremony in Chiba in Japan, members of our team will take part in the deployment of the Chibanian golden spike. President John Ludden will be making an online address and many of the IUGS will be in attendance in Chiba on the day. More details will be released in early May: <https://iugs60.org/chibanian-golden-spike/>.

Finally, the Earth Futures Festival’s final submissions date is fast approaching (15th May), so please spread the word and we look forward to seeing your creations and announcing the winners at the film festival later on in the year: <https://www.earthfuturesfestival.com/submission>



GAC SYMPOSIUM 2022

A Celebration of Canadian Geology
Special Focus: Canadian IUGS projects, Geoparks & IGCP projects which are creating a more sustainable future for all.

HALIFAX:

May 16-17 2022

19 Presentations
2 Panel discussions

Riding the waves of change
Surfer sur la vague du changement

More information: <https://gac.ca/>

TALKS:

2-3.30 PM BST

- Professor Philip Gibbard Scott Polar Research Institute and Secretary General: International Commission on Stratigraphy (IUGS)
- Professor Peter Thorne Lead C3S global land and marine observations database, Chair GRUAN, IPCC AR6 WG1 CLA
- Dr. Ronald Vargas, Secretary of the FAO Global Soil Partnership
- Professor Rattan Lal, Director, CFAES Dr. Rattan Lal Carbon Management and Sequestration Center (C-MASC)
- Mr. Richard Connor (UNESCO) Chief Editor of the World Water Development Report
- Professor Seifu kebede (Vice President IAH) Water resources sub-Saharan Africa
- Dr Natalia Alekseeva incoming Coordinator of the UN Decade of Ecosystem Restoration
- Ms. Jihyun Lee, Director of Science, Society and Sustainable Futures Division, Secretariat of the Convention on Biological Diversity/UNEP
- Associate Professor Trisia Farrelly, Co-Director, Massey University Political Ecology Research Centre; UNEP Scientific Advisory Committee (Plastic Pollution)
- Dr. Giuseppe Di Capua, Istituto Nazionale di Geofisica e Vulcanologia (INGV), International Association for Promoting Geoethics (IAPG)

Chairing the sessions:
Professor John Ludden OBE (President of the IUGS)
and Early Research Career geoscientist Halleluya Naanttu Ekandjo

"Happy Earth Day 2022"

Earth Day messages from some of the IUGS commissions, programs and initiative leads

Presenter: State of the Planet Event

Sponsors

Earth Futures Festival.

Submissions Open

Submit on FilmFreeway

Figure1. Collage of IUGS@60 events

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

Expansion of the IUGS-IFG Student Chapter in South America: The IUGS-IFG Student Chapters expanded to include the University of São Paulo. <https://geoforenses.com/student-chapters/>

National Forensic Isotope Program of the Federal Police: The National Program of Forensic Isotopes has the purpose of developing and researching new applications of isotopic analysis in objects of examination under criminal investigation. This is endorsed by IUGS-IFG and coordination of the Technical Scientific Directorate (DITEC) of the Federal Police in Brazil.

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

IUGS Annual Report for 2021 and Initiative on Forensic Geology (IFG): A copy of the IUGS Annual Report for 2021 can be found on the link below. This includes a contribution from IFG, on pages 57-59 giving a summary of the principal global events in forensic geology for 2021.

https://www.iugs.org/_files/ugd/f1fc07_a0de622776754cdfbf7bc40c5ca8ee6d.pdf?index=true

Student Course on Forensic Geology: A course on soil forensics was held in Pelotas, Brazil, which include crime scene examination and the collection of geological trace evidence.

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

Forensic Geology Training, Halifax, Nova Scotia, Canada: A flyer was produced to draw attention to the forensic geology training to be held in Canada on 28 May 2022. <https://gac.ca/gac-mac-halifax2022/>

Translational Forensics, Portugal: The 3rd International Caparica Conference in Translational Forensics takes place on 14-16 November 2022, in Portugal. <https://www.forensics2022.com/>

LBMA & WGC Gold Bar Integrity: The London Bullion Market Association (LBMA) and the World Gold Council (WGC) are collaborating to develop and implement an international system of gold bar integrity, chain of custody and provenance determination.

<https://www.lbma.org.uk/articles/lbma-and-wgc-launch-gold-bar-integrity-programme>

UPCOMING WORKSHOP

GEOFORENSICS FOR LAW ENFORCEMENT

DEPARTMENT OF EARTH & ENVIRONMENTAL SCIENCES
DALHOUSIE UNIVERSITY
SATURDAY, MAY 28, 2022
9:00 AM - 5:00 PM

GRANT WACH
CHAIR, LSP/SP/SPS

TOPICS

- Geoforensics Overview
- Admissibility of Evidence (Frye/Daubert Debate)
- The Foundation of the Expert Opinion
- Archaeology in Forensic Excavation
- Geoforensic Search Strategy

FIELD DEMOS - Ground Penetrating Radar, X-Ray Diffraction, X-Ray Fluorescence, Magnetic Locators, Soil Probes, Soil Augers, Drones, Site Surveys, GPS, Skidometer

SPONSORS

\$75 per person

Lots and more items are available. Please visit Registration website: www.geoforenses.com

CURSO

PERÍCIA DE LOCAIS DE CRIME
CONTENDO VESTÍGIOS DE SOLO

1. Rotulação do local de crime
 - ↳ Observação de passagens/rotas geográficas do local
 - ↳ Esquema das diferentes perspectivas e ângulos
 - ↳ Identificação do nome do sítio (antigo e atual)
 - ↳ Registro das fotos, data, hora
 - ↳ Identificação das captações
 - ↳ Número de amostras coletadas
2. Definição do local de crime
 - ↳ Marcar um quadrante contendo 4 vértices e o ponto central
 - ↳ Utilizar aparelho de fita de medição do local
 - ↳ Estabelecer respectivamente de LS e entre vértices, com traço
 - ↳ Demarcar a amostra
 - ↳ Questionar o centro do quadrante anulado
 - ↳ Registrar o ponto para registro de impressões diferentes ângulos
 - ↳ Registrar em planilha: número de quadrante e número de vértice
3. Amostragem de solo no local de crime
 - ↳ Designar 1 (um) recipiente/vasilha
 - ↳ Operar as recipientes previamente à coleta
 - ↳ Assurar as características visuais e físicas do solo
 - ↳ Registrar informações de público para coleta e amo
 - ↳ Utilizar instrumentos de plástico para coletar e amo
 - ↳ Preservar a não permeabilização e amassar
4. Armazenamento das amostras de solo
 - ↳ Manter as amostras nos recipientes identificados
 - ↳ Ao chegar ao laboratório, analisar, proceder à abertura dos recipientes, para cessar a atividade metabólica do solo
 - ↳ Sacar as amostras de solo as em um estado para análises inorgânicas

Realização: Dr. Renato Alves Teófilo
Colaboração: Dr. Vander Melo, Polícia Federal e Polícia Científica PR

INCT Forensic **PPQCM**

Figure 2. Activities of IFG

3. News from INHIGEO Anniversaries

Title: New Zealand Pioneer Geologist Julius von Haast (1822-1887)

Author: Simon Nathan

Julius von Haast of German origin arrived in Auckland on 21 December 1858, and the following day the Austrian geologist Ferdinand Hochstetter arrived on the Austrian frigate Novara. Hochstetter was invited to undertake a reconnaissance geological survey of Auckland Province, and Haast asked if he could join him. This led to an effective partnership and Haast rapidly gained knowledge and confidence in geological mapping of the territory. Haast was keen to establish scientific institutions in Canterbury and founded a museum, based on material that he had collected in his explorations and a rich store of excellently preserved moa remains from a swamp at Glenmark. Until the 1860s, research on the moa was closely guarded by British paleontologist Richard Owen, but with a copious supply of new material Haast started to publish his own identifications.

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



Figure 3. Portrait of Haast, taken about 1862 soon after he arrived in Canterbury.

Celebrating the Life of Sir Julius von Haast

A weekend online symposium celebrating the 200th anniversary of the birth of Canterbury Museum's founder Sir Julius von Haast, organised by Canterbury Museum in Christchurch, New Zealand is planned for the weekend of 30 April – 1 May 2022. It will include talks on different aspects of his life and career and many members of INHIGEO are presenting their research on his work in New Zealand and connections with Vienna and Ferdinand von Hochstetter.

The conference will be live-streamed and the programme and links are on the museum website.

<https://www.canterburymuseum.com/whats-on/celebration-of-the-life-of-julius-von-haast/>

4. News from IGCP-746

IGCP-746 at the meeting "Geosciences for a sustainable future" Turin, Italy. 19th-21st September 2022

The new **IGCP-746 RESOURCES4ALL** will be present in Turin to initialize its activities on "Natural resources: the value of raw materials in the context of good mining practices."

<https://diarium.usal.es/mdp/unesco-igcp-746/>

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

Leaders and participants will present communications on sustainability, mining good practices, geosciences at school and/or geoethics at the different sessions.

There is the possibility of partial funding for eligible participants (see UNESCO-IGCP rules) presenting abstracts on the mentioned subjects.

To participate: send cv and the potential abstract, in advance, to the leader of the IGCP. And also for more information: Lola Pereira mdp@usal.es

Abstract submission deadline: 6th of May. Abstract have to acknowledge UNESCO-IGCP-746

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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