



News at a Glance

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1. News from IUGS Nominating Committee

The second meeting of the IUGS Nominating Committee (NC, 2020-2024) was held virtually on 11 January, 2023. The meeting was organized by the NC Chair Prof. Qiuming Cheng with the attendance of 5 NC members from Colombia, Germany, Namibia, Spain, and USA.

During the meeting, the NC members reviewed activities in 2022 and discussed on the draft Nomination Call with definition and references for each IUGS EC position and potential benefits. 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 in 2023 and 2024:

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

August 2024: Be elected by the IUGS Council

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.

To know about the call, please open the links below:

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

https://www.iugs.org/files/ugd/f1fc07_f177c81c49cf4edeb68725416662ba93.pdf?index=true

https://www.iugs.org/_files/ugd/f1fc07_1d38704edf824ad48d70fcd582e4d930.pdf?index=true



Figure 1. In the picture can be seen: 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 Mahlborg Kay (USA)

2. News from the International Commission on Stratigraphy (ICS)

Announcing the publication of a new book on stratigraphical methods

Author: Angela Coe (UK)

We are delighted to announce the publication of a new book called *Deciphering Earth's History: the Practice of Stratigraphy* (ISBN 978-1-78620-574-2). This book is all about how to use and apply stratigraphical methods and has been carefully designed for ease of use. There is a chapter on each of the stratigraphical techniques illustrated with worked examples, top tips, flow charts, summary tables and many figures. A broad range of perspectives and applications are provided by the team of 40 authors from academia, industry and research centres. The book is suitable for a wide audience from advanced undergraduates to professionals needing further information or re-training. Both the chair and executive secretary of the International Commission on Stratigraphy contributed and, Stan Finney, secretary of IUGS, kindly acted as one of the reviewers of the whole manuscript. More information including how to order, can be found at: <https://www.geolsoc.org.uk/GIP001> (for a list of other societies that qualify for the discount see https://www.geolsoc.org.uk/bookshop_faqs#other_societies_price).



Geoscience in Practice

Deciphering Earth's History: the Practice of Stratigraphy

Edited by Angela L. Coe



Published by The Geological Society

Figure 2. Cover page of the book *Deciphering Earth's History: the Practice of Stratigraphy*.



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

37th International Geological Congress, Busan, South Korea 2024

IUGS-IFG has submitted a proposal for a session on forensic geology at the 37th IGC, in South Korea, 25-31 August 2024. The principal objective of this workshop on, *'Forensic Geology: Illegal Mining and Associated Crimes in the Global Minerals and Metals Supply'*. There will be call for abstracts later in 2023. Papers are invited for presentation in South Korea on; (a) illegal mining beyond regulatory control, (b) criminal activity associated with the mining, processing, shipment and trade of geological raw materials and products, (c) provenancing, tracking and tracing of geological commodities and (d) the social and environmental impacts of illegal mining.

Forensic Geological Materials and Soil Survey

A research survey is being to understand the status and needs of the forensic and legal communities with regards to geological materials or soils collection, analysis, and use for investigative or legal purposes. Participants are limited to those employed with law enforcement, legal defense, as a forensic earth materials (including soils) examiner, or with a forensic service provider. To take part in the survey please use the link below.

<https://forms.gle/N6c2qdBWxPPgh2pd7>

Forensic Geology in Arabic

A forensic soil science book, in Arabic, written by an Iraqi soil scientist can be found on the link below:

https://books.google.ae/books?id=CS0TEAAAQBAJ&pg=PA34&source=gbv_selected_pages&cad=2#v=onepage&q&f=false

Geoforensic International Network (GIN)

GIN brings together forensic geologists, geoscientists, police and law enforcement officers from around the world to develop and promote forensic geology. In January 2023, a new member was included for Slovenia. Potential members of GIN are encouraged to make enquires as follows:

marcelotortolero16@gmail.com

Geological Society of London, 'Geoscientist' article on Clean Gold Program

'Geoscientist' the magazine of the Geological Society of London, published a news article on illegal mining and the Clean Gold Program, following a meeting held in Brazil in the summer of 2022. This was attended by IUGS-IFG as part of an international seminar on *'gold forensics and illegal gold trade investigation'* at the National Institute of Criminalistics in Brasília, Brazil.

<https://geoscientist.online/sections/news/forensic-geology-and-the-clean-gold-program/>



Figure 3. IUGS-IFG Chair, Dr Laurance Donnelly presenting at the seminar on 'gold forensics and illegal gold trade investigation' at the National Institute of Criminalistics in Brasília, Brazil.

4. News from INHIGEO

Author: Ezio Vaccari (ITALY)

Occasion: A Voyage to Lipari published 240 years ago

Title: DÉODAT DE DOLOMIEU AND THE VOLCANOES OF THE AEOLIAN ISLANDS IN THE MEDITERRANEAN SEA (1783)

In the summer of 1781 Dolomieu travelled extensively in southern Italy in order to study volcanoes and volcanic phenomena. The detailed account of the fieldwork in the Aeolian Islands was published in 1783 in the book *Voyage aux Iles de Lipari* and provided a significant scientific contribution to the understanding of the volcanic phenomena in the Mediterranean region.

To know more open the link below:

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

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

A young INHIGEO member was recently recognized for his achievements in the History of Geological Sciences: INHIGEO member Daniele Musumeci, currently a PhD student at the University of Catania, Italy, was awarded the *Quintino Sella Prize for the History of Geosciences in Honour of Nicoletta Morello and Bruno Accordi* on the 20th September 2022 by the Italian Geological Society. This biennial award is intended to recognize and encourage the activity of young researchers under the age of 35. The Prize is conferred to the author of the best scientific paper in the field of the History of Geosciences, published on national or international journals in the two years before the call.

<https://www.socgeol.it/456/prize-quintino-sella-for-the-history-of-geosciences-in-honor-of-nicoletta-morello-and-bruno-accordi.html>



Daniele Musumeci won the prize for his paper: *Rittmann's heritage: A philosophical approach for current research*, (co-authors De Benedetti, A. A. Branca, S. and Ingaliso, L.). In Foulger, G. R., Hamilton, L. C., Jurdy, D. M., Stein, C. A., Howard K. A. and Stein, S. (eds.), *In the Footsteps of Warren B. Hamilton: New Ideas in Earth Science*, Geological Society of America, 2022, Special Paper 553, pp. 21-28. [https://doi.org/10.1130/2021.2553\(03\)](https://doi.org/10.1130/2021.2553(03))



Figure 4. Daniele Musumeci explaining aspects of the history of volcanology at a stop on the trail *Schiena dell'Asino* on the south flank of Mount Etna (Sicily) during the post conference excursion of the Italian Society for the History of Science (SISS) on 2 June 2022.

5. News from International Commission on Geoheritage

The IUGS ratified ten new Heritage Stones and announced them during its big event held in Zumaia in October 2022. The new 10 IUGS Heritage Stones include: the Alwar Quartzite of India, the Jaisalmer limestone of India, the Deccan Basalt of India, Bernardos Phyllite of Spain, the Brecha da Arrabida of Portugal, the Connemara marble of Ireland, the Échaillon Stone of France, the Rochlitz porphyry tuff of Germany, the Tezoantla tuff of Mexico, and the Tyndall stone of Canada.

To know more open the link below:

<https://iugs-geoheritage.org/designations-stones/>



6. Call for hosting the 38th IGC extended

Call for the Expression of Interest to host 38th International Geological Congress, 2028:
Deadline Extended.

To know more open the links below:

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

https://www.iugs.org/files/ugd/f1fc07_e681515db7e444e3a1e9e4a5ec675444.pdf?index=true

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

The International Union of Geological Sciences Commission on Global Geochemical Baselines is pleased to announce the publication of two e-books for the international applied geochemistry community.

The first concerns the use of R-scripts for the generation of 5, 8 and 16 random sampling points within predefined rectangles. In the case of the Global Geochemical Reference Network project the generation of random sampling points within the 160x160 km grid cells of the [Global Geochemical Terrestrial](#) (GTN) and [Global Marine](#) (GMN) networks.

He, J. & Geng, X., 2022. *R-scripts for Generation of 5, 8 and 16 Random Sampling Points Within Predefined Rectangles*. IUGS Commission on Global Geochemical Baselines, Athens, Hellenic Republic, Special Publication, 3, vi, 14 pp., 5 Figures, 3 Appendices, Supplementary material, ISBN: 978-618-85049-2-9; <https://doi.org/10.5281/zenodo.7307202>.

R-scripts for Generation of 5, 8 and 16 Random Sampling Points Within Predefined Rectangles

Juanxia He and Xiaoyuan Geng

International Union of Geological Sciences
Commission on Global Geochemical Baselines
Special Publication
No. 3





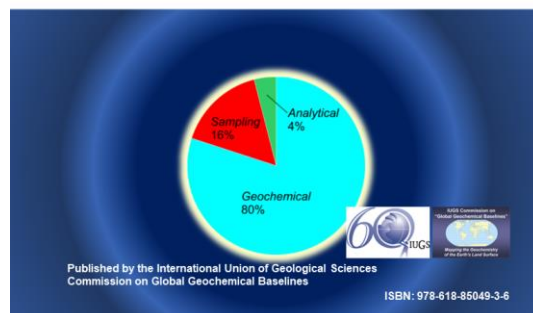
The program ROBCOOP4A is a compiled FORTRAN program, which can be run on 32- and 64-bit Microsoft Windows® computers, without a compiler. It is available in two languages, English and Hellenic. As the source code is provided it can be translated to any other language. The program estimates the balanced classical and robust analysis of variance parameters (i.e., sampling, analytical, geochemical), measurement uncertainty and the expanded uncertainty factor. It can process up to 500 variables determined on 2000 samples by 4 analyses (2 for the routine and 2 for the field duplicate samples).

Vassiliades, E., 2002. *Program ROBCOOP4A for Estimation of Balanced Classical and Robust Analysis of Variance: Instructions for Use and Source Code*. IUGS Commission on Global Geochemical Baselines, Athens, Hellenic Republic, Special Publication, 4, vi, 42 pp., 12 Figures, 4 Tables, 2 Appendices, Supplementary material, ISBN: 978-618-85049-3-6; <https://doi.org/10.5281/zenodo.7307388>.

**Program ROBCOOP4A for Estimation of
Balanced Classical and Robust Analysis of
Variance: Instructions for Use and Source Code**

Evripides Vassiliades

International Union of Geological Sciences
Commission on Global Geochemical Baselines
Special Publication
No. 4



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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