



# IAEG

## NEWSLETTER

Issue No.2, 2026  
Website: [www.iaeg.info](http://www.iaeg.info)  
Electronic Version



## COVER STORY

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### Marine microfossils from South China Sea

The cover images A1 and A2 are true-color stereo microscope images of marine microfossils unearthed from marine sediments of South China Sea. The images are obtained from an innovative approach including (1) vibratory washing

and sieving the marine sediments for physical separating the solid particles of sizes greater than 0.0008 mm with the clay mineral particles of sizes smaller than 0.0008 mm and (2) observation and imaging of the particles with true-color stereomicroscopy.

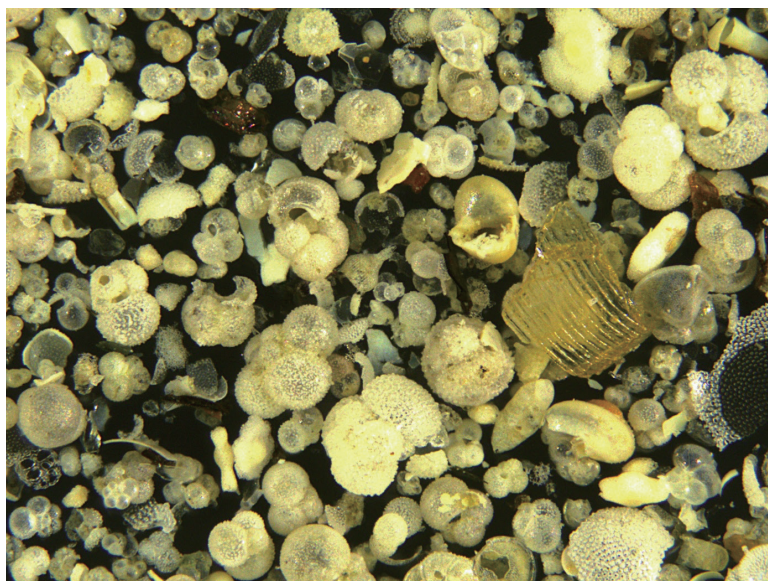


Image A1 True-color stereo microscope image of marine microfossils with particle sizes of minor axis lengths greater than 0.063 mm.



Image A2 True-color stereo microscope image of marine microfossils with particle sizes of minor axis lengths between 0.038 mm and 0.063 mm.



## Images A1 and A2

Images A1 and A2 show the marine micro-fossils that are obtained from the marine sediments at the bed of the South China Sea with seawater depth of 529 m and GPS location (20°02.7206'N, 114°56.7810'E). The extended washing and sieving method is used to completely separate the particles of the marine deposits into the 10 sub-size groups of >0.063 mm, 0.063–0.038 mm, 0.038–0.02 mm, 0.02–0.012 mm, 0.012–0.0063 mm, 0.0063–0.004 mm, 0.004–0.002 mm, 0.002–0.001 mm, 0.001–0.0008 mm and < 0.0008 mm.

The particles in the images A1 and A2 are completely the microfossils of foraminifers including *Globorotalia*, *Neogloboquadrina dutertrei*, *Globigerinella siphonifera*, and

*Globigerina bullodites*. The particles with sizes less than 0.0008 mm are mainly clay minerals.

**The extended washing and sieving method** is an accurate and robust and simple method for separating soil fine particles with particle sizes less than 0.063 mm (63 micrometers) down to 0.0001 mm (100 nanometers) and is newly invented and developed by Professor Zhongqi Quentin Yue at the University of Hong Kong and Harbin Institute of Technology (Shenzhen).

Text and photographs provided by

1. Zhongqi Quentin YUE Deputy Chair of IAEG C34 and Professor of Harbin Institute of Technology (Shenzhen)

2. Yonggan JIA: Chair of IAEG C34 and Professor of Ocean University of China





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# IAEG MESSAGE AFTER THE VENEZUELA EARTHQUAKES



INTERNATIONAL ASSOCIATION FOR  
**ENGINEERING GEOLOGY  
AND THE ENVIRONMENT**  
A SOCIÉTÉ INTERNATIONALE DE  
**GÉOLOGIE DE L'INGÉNIEUR  
ET DE L'ENVIRONNEMENT**

## IAEG message after the earthquake doublet in Venezuela, 24 June 2026

Our friends and colleagues,

**On behalf of the International Association for Engineering Geology and the Environment (IAEG), we express our deepest condolences to the people of Venezuela. We are all deeply saddened by the losses and devastation caused by the strong earthquakes that struck the country on the 24<sup>th</sup> of June 2026, and our thoughts are with the victims of the earthquakes and their families. At the same time, we wish a speedy recovery to the injured and express our undivided solidarity with all those affected.**

The IAEG community is from the first moment next to the people of Venezuela and to all our Venezuelan colleagues, as well as to the wider geo-engineering and scientific community responding to this disaster. Our association and our experts, from our numerous member countries, especially from Latin America region, are ready to support a coordinated scientific mission and field reconnaissance towards the research of the geological effects of these major earthquakes.

According to the first international scientific reports, the sequence included two powerful earthquakes of approximately magnitude 7.2 and 7.5, occurring within less than one minute in northern Venezuela, near the complex boundary between the Caribbean and South American plates. The shaking and secondary ground effects have caused severe damage in the wider affected area, including Caracas and La Guaira, while landslides, liquefaction, fault rupture and other failure phenomena may require urgent engineering geological documentation. IAEG is ready to sponsor and coordinate the works of this particular EnGeo mission, collaborating closely with other scientific geotechnical operations of our sister societies but also with the local chapters and authorities.

**In these difficult times, we stand by the people and their families and we are in constant contact with the geo-engineering scientific teams to coordinate accordingly all our efforts to provide our assistance after all rescue exertions.**

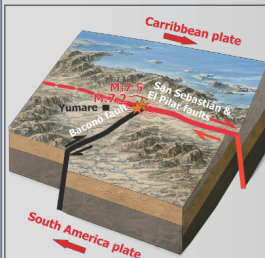
For any scientific collaboration, technical support or information-sharing, please feel free to reach out to us.

Website: <https://iaeg.info/>

Contact Us: [iaeg.aigi@gmail.com](mailto:iaeg.aigi@gmail.com)

*The International Association for  
Engineering Geology & the Environment*

### 2026 Venezuela Earthquakes



Conceptual tectonic sketch of the Venezuela earthquake doublet (not in scale)



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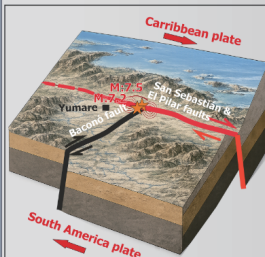
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Engineering Geology & the Environment*

### 2026 Venezuela Earthquakes



Conceptual tectonic sketch of the Venezuela earthquake doublet (not in scale)



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# 1. NEWES OF EXECUTIVE COMMITTEE

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## **2026 IAEG Mid-Term Executive Committee Meeting held on April 26-27th in Queenstown, New Zealand**

On April 26-27th, 2026, a two-day mid-term IAEG Executive Committee Meeting was successfully taken place in Queenstown, New Zealand during the National event 2026 LaRGE, totally 13 members attended the meeting. The President Vassilis Marinos chaired the meeting. The Executive Committee

listened to the board members' regular working reports with recent working progress. Main discussion has been made on financial investment options, proposals of adopting Associate membership fee structure, creating a new VP-WEG position, establishing a new IAEG Commission on soft rocks, IAEG Himalaya

Field school. In 2026 IAEG is going to have awards selected and election of new officers, the Executive Committee has fully discussed about related organizing details of the works. The ToR document of Role Description of each officer's position has been finalized and shall be distributed for better understanding.



The President introduced the updates of FedIGS, the four sister societies are going to organize the FedIGS Mega Conference in 2030 and now is calling for bidders to organize this big event. In 2026 IAEG is going to host the 2026 FedIGS meeting in Delft during the 15<sup>th</sup>

IAEG Congress, FedIGS this year will have its new President elected and the result will be announced by the end of 2026.

At the meeting, the representatives of LaRGE and 16th Asian Regional Conference have presented short reports on

the events organizing progress. The Executive Committee has approved the decision of the venue for the 2027 IAEG Executive Committee and Council meetings will be in Izumisano City, Osaka, Japan during the 16th ARC. This year IAEG has a session well



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presented in EGU with IAEG participants contributing this session at EGU, a booth of IAEG was well organized by YEG during the EGU for our association's promotion. Dominique Ngan-Tillard

reported the recent organizing progress of the 15<sup>th</sup> IAEG congress, 691 submissions have been received from 81 countries by the end of April, the IAEG Solidarity fund Application call is open now to

all IAEG members. The calls will be made for potential hosts of upcoming IAEG events 16<sup>th</sup> IAEG Congress in 2031, 5<sup>th</sup> European Regional Conference in 2028 or 2029, 5<sup>th</sup> African Regional Conference.



The mid-term year meeting was completed successfully with important issues discussed and efficiently solved, the board

members have clarified phased tasks for each position and shall get positive progress reported at the meeting in Delft. The

President specially thanked all the contributions made by the Executive Committee members.





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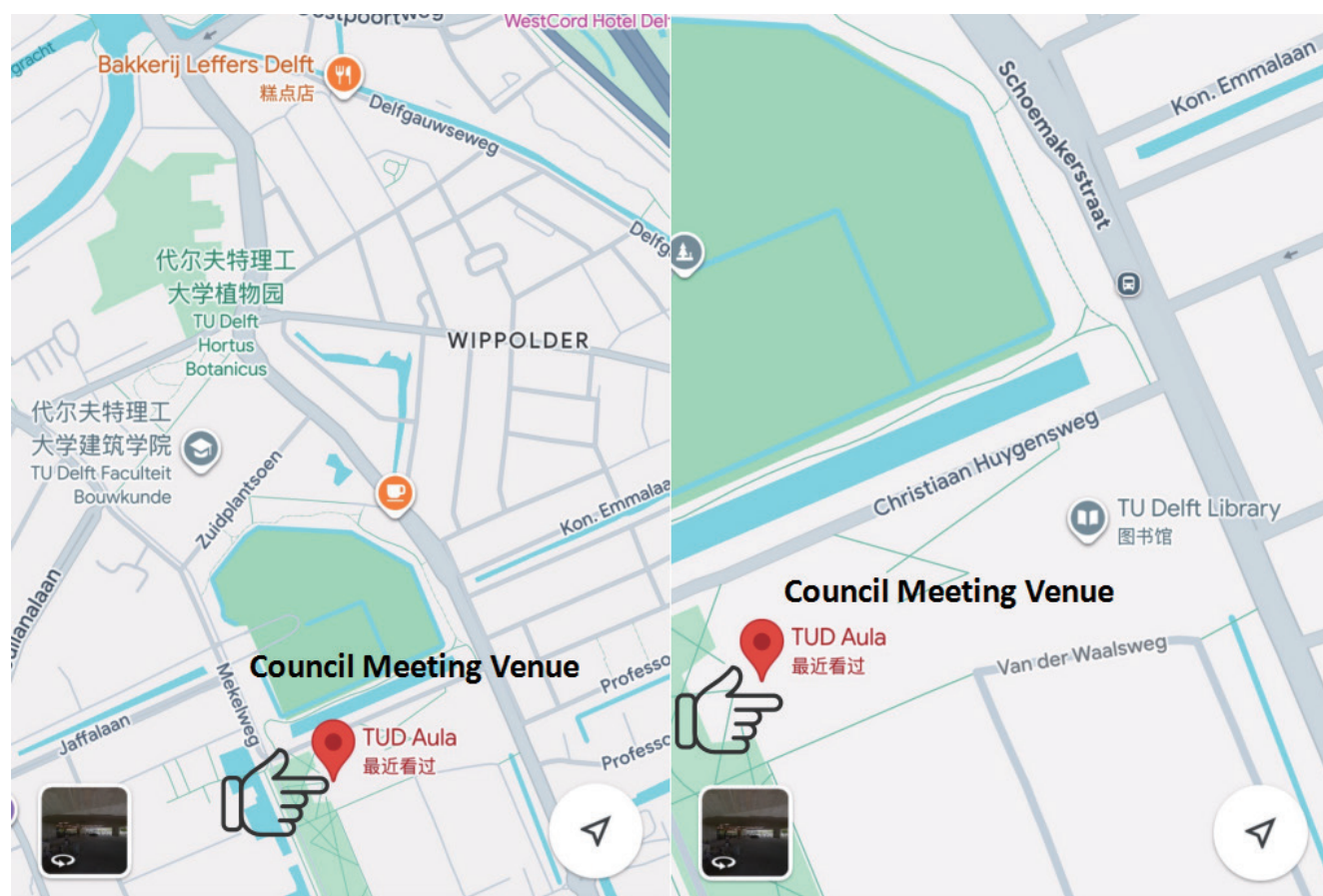
## 2. ANNOUNCEMENT OF DATES AND VENUE OF 2026 EXECUTIVE COMMITTEE AND COUNCIL MEETINGS

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The 2026 Executive Committee meeting is going to take place on October 30th, 2026 and Council meeting on November 1st, 2026 in Delft, Netherlands during the XV

IAEG World Congress. The venue of the two meetings is located in the Delft University of Technology. IAEG Council members who are planning to attend the meetings may visit

the official conference web page <https://www.iaeg2026.org> for registration and hotel reservation in advance.



**Venue of 2026 IAEG Council Meeting:**  
TU Delft Aula, Mekelweg 5, 2628 CC Delft, Auditorium

**Location Map:**  
[https://maps.app.goo.gl/oDCQ7CFKJBkFrKbU7?g\\_st=com.google.maps.preview.copy](https://maps.app.goo.gl/oDCQ7CFKJBkFrKbU7?g_st=com.google.maps.preview.copy)



### 3.

## ANNOUNCEMENT OF NEW VERSION OF IAEG BYLAWS AND STATUTES

The legal review of the IAEG Bylaws and Statutes was initiated in April 2024 and proposal was presented to the Council by the Revision Working Group at the 2024 Dubrovnik Council Meeting. Following legal recommendations, final updates were presented in September at 2025 IAEG Council Meeting. The Council has officially approved all proposed changes at the online extraordinary Council meeting on March 11th, 2026.

The new version of the IAEG Bylaws and Statutes has been announced to the Council in June, 2026. Please refer to the link <https://www.dropbox.com/scl/fo/drgb1osu23uld24kk1p7z/AFsFouCGWbPbHSlozkJUw-8?rlkey=156rik6nlm802m3pgmcdhj88e&st=fftgmavh&dl=0> for the full text of new version of Bylaws and Statutes.



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ET DE L'ENVIRONNEMENT**

**BYLAWS**  
English version

**INTERNATIONAL ASSOCIATION FOR ENGINEERING GEOLOGY  
AND THE ENVIRONMENT**

**BYLAWS**  
English version

*Bylaws adopted by IAEG Council in 1977, Athens. Revised in 2013, Beijing, in 2018, San Francisco, at the virtual IAEG Council meeting in 2022. Revised in 2023, Chengdu. Revised in 2026 at the online extraordinary council meeting.  
Version dated: March 11<sup>th</sup>, 2026*



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**STATUTES**  
English version

**INTERNATIONAL ASSOCIATION FOR ENGINEERING GEOLOGY AND  
THE ENVIRONMENT**

**STATUTES**  
English version

*Statutes adopted by IAEG Council in Kyoto [1992], modified by the Council in Athens [1997] (article I - Name of the Association), in Rio de Janeiro [2000] (article IV - Membership, and Article IX - Meetings of the Association), in San Francisco [2018] (Article VI - ADMINISTRATION) and in Chengdu [2023] (Article XX) and revised in 2026 at online Extraordinary Council Meeting.*

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## 4.

# PAUL MARINOS DISTINGUISHED WORLD LECTURE 2026

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The Paul Marinos Distinguished World Lecture Tour was recently presented at LaRGE 2026 on April 30, 2026. During the event, Prof. Xuanmei Fan delivered a distinguished lecture titled, “Understanding and

Predicting Cascading Hazards under Earthquake and Climate Change Forcing.”

Prof. Fan’s presentation serves as a brilliant showcase of the IAEG award in action. It

not only promotes scientific excellence within the engineering geology community but also fittingly honors the enduring legacy of Professor Paul Marinos.



Prof. Xuanmei Fan giving Paul Marinos Distinguished World Lecture at LaRGE 2026 conference

The recording is available on YouTube via <https://youtu.be/hmpRINIdep0>



# PAUL MARINOS DISTINGUISHED WORLD LECTURE



Paul Marinos World tour in LaRGE

*"Understanding and Predicting Cascading Hazards  
under Earthquake and Climate Change Forcing"*



Speaker

Prof. Xuanmei  
Fan



5.

# CALL FOR IAEG 5<sup>th</sup> EUROENGGE0 2029



INTERNATIONAL ASSOCIATION FOR  
**ENGINEERING GEOLOGY**  
AND THE **ENVIRONMENT**  
ASSOCIATION INTERNATIONALE DE  
**GÉOLOGIE DE L'INGÉNIEUR**  
ET DE L'ENVIRONNEMENT

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IAEG Secretary General  
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|                           |                                   |
|---------------------------|-----------------------------------|
| <b>President:</b>         | <b>Vassilis Marinos</b>           |
| <b>Past President:</b>    | Rafiq Azzam                       |
| <b>Secretary General:</b> | Wu Faquan                         |
| <b>Treasurer:</b>         | Jean-Alain Fleurisson             |
| <b>Vice Presidents:</b>   |                                   |
| <b>Africa:</b>            | Moshood Niya Tijani               |
| <b>Asia:</b>              | Ranjan Kumar Dahal<br>Shengwen Qi |
| <b>Australasia:</b>       | Anthony Bowden                    |
| <b>Europe:</b>            | Janusz Wasowski<br>Helen Reeves   |
| <b>North America:</b>     | Julien Cohen-Waeber               |
| <b>Latin America:</b>     | Francisco Nogueira de Jorge       |
| <b>YEG</b>                | Stratis Karantanellis             |

## CALL FOR EXPRESSIONS OF INTEREST FOR HOSTING THE IAEG 5<sup>th</sup> EUROENGGE0 2029

All European National Groups, the members of the IAEG Executive Committee and the Council,

This is a call for Expressions of Interest for hosting the 5<sup>th</sup> EuroEngGeo 2029.

EuroEngGeo is the leading European meeting point for Engineering Geology, bringing together research, geohazards, major projects, field experience and the latest advances of the profession.

European National Groups interested in organizing the 5th EuroEngGeo 2029 are invited to send an initial Expression of Interest to the IAEG Secretary General before **July 31<sup>st</sup> 2026**.

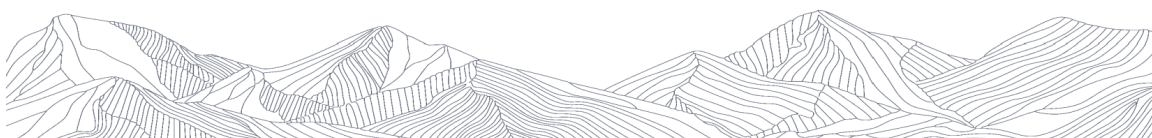
Expressions of Interest should include:

- a formal Expression of Interest letter from the National Group
- a preliminary indication of the proposed host city, venue and preferred conference period
- contact details of the coordinating representatives

Best regards,

Vassilis P. Marinos  
President of the IAEG

Faquan Wu  
Secretary General





6.

## CALL FOR 16<sup>th</sup> IAEG WORLD CONGRESS 2031



INTERNATIONAL ASSOCIATION FOR  
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IAEG Secretary General  
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|                           |                                   |
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| Australasia:              | Anthony Bowden                    |
| Europe:                   | Janusz Wasowski<br>Helen Reeves   |
| North America:            | Julien Cohen-Waeber               |
| Latin America:            | Francisco Nogueira de Jorge       |
| YEG                       | Stratis Karantanellis             |

### CALL FOR EXPRESSIONS OF INTEREST FOR HOSTING THE IAEG 16<sup>th</sup> IAEG WORLD CONGRESS 2031

All National/Regional Groups, the members of the IAEG Executive Committee and the Council,

This is a call for Expressions of Interest for hosting the 16th IAEG World Congress 2031.

The IAEG World Congress is the Association's premier international event, bringing together the global Engineering Geology community and showcasing major engineering projects, geohazards, scientific advances and field experiences shaping the future of the profession worldwide.

National Groups interested in organizing the 16th IAEG World Congress 2031 are invited to send an initial Expression of Interest to the IAEG Secretary General before July 31<sup>st</sup> 2026.

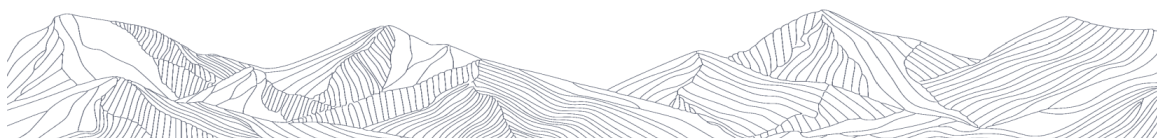
Expressions of Interest should include:

- a) a formal Expression of Interest letter from the National/Regional Group
- b) a preliminary indication of the proposed host city, venue and preferred congress period
- c) contact details of the coordinating representatives

Best regards,

Vassilis P. Marinos  
President of the IAEG

Faquan Wu  
Secretary General



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# 7.

## YEG ACTIVITIES

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### EGU26 IAEG Booth #104 – General Report and Survey Evaluation

The IAEG participated in the European Geosciences Union (EGU) General Assembly 2026, held in Vienna, Austria, between 3 and 8 May 2026, with Booth #104 located in the Gallery Hall of the Austria Center Vienna (ACV). Throughout the week, the booth served as an active meeting point for researchers, students, academics, consultants, and professionals from a wide range of geoscience disciplines. The booth activities and overall coordination were mainly carried out by Tümay Kadakci Koca in her role as a YEG and WEG Committee member.

The IAEG booth aimed not only to increase the visibility of engineering geology within the broader geoscience community but also to promote IAEG activities, commissions, congresses, and networking opportunities for young professionals, women professionals, and researchers. Visitors were welcomed with brochures, flyers, promotional materials, and small gifts distributed throughout the week. In parallel, participants were encouraged to complete a visitor survey to better understand the interests, expectations, and backgrounds of the broader EGU audience. Compared to the previous

year, the number of completed surveys noticeably increased, indicating stronger engagement and interaction at the booth. A total of 84 visitors completed the survey during EGU2026. Beyond the survey itself, it is estimated that at least 200 participants visited the booth and interacted with IAEG representatives either individually or in small groups throughout the week.

collaboration opportunities. The IAEG website was frequently presented directly at the booth, and visitors were shown step-by-step how to access information regarding membership applications, Young Engineering Geologists (YEG) and Women in Engineering Geology (WEG) activities, commissions, and upcoming events, particularly the 15th IAEG World Congress



One of the most important aspects of the booth activities was the direct communication established with visitors. Many participants were introduced to IAEG for the first time, while others sought more detailed information about commissions, conferences, membership categories, and

and ARC-16.

The survey results demonstrated that the booth successfully reached a young and internationally diverse audience. Approximately 80% of respondents were under the age of 35, with the 25–35 age range representing the largest



group. Female participation was also notably high, accounting for approximately two-thirds of the respondents. Participants represented around 24 different countries, highlighting the global and interdisciplinary nature of EGU and the broad outreach capacity of IAEG activities. In terms of professional affiliation, academia represented the largest sector, accounting for nearly 60% of participants. Students also formed a considerable proportion of respondents, while government institutions, NGOs, and private-sector professionals were additionally represented. This distribution reflects that the booth attracted not only researchers but also professionals directly involved in applied engineering geology, natural hazards, environmental assessment, and infrastructure-related work. The results further indicated that only a relatively limited proportion of respondents were already official IAEG members, whereas a significant majority expressed interest in becoming members or participating in future IAEG activities. This finding once again highlighted the importance of maintaining an active IAEG presence at interdisciplinary international meetings such as EGU.

Regarding scientific interests, the most frequently selected topics included landslides and slope stability, geohazards and risk assessment, environmental geology, groundwater and hydrogeology, and climate change-related geological

challenges. These interests strongly overlap with the core scientific scope of engineering geology and demonstrate the continuing relevance of IAEG within broader geoscience discussions.

The preferred future activities identified by respondents provide useful guidance for future IAEG and YEG initiatives. Online webinars and short courses ranked among the most requested formats, followed by hands-on field and laboratory workshops, student and early-career researcher events, regional networking opportunities, and international conferences and symposiums. Interest in mentoring activities and women-focused networking and leadership initiatives was also observed.

In addition to outreach activities, the booth also played an important role in promoting the IAEG 2026 World Congress in Delft. Flyers, promotional materials, and roll-up banners related to the congress were

displayed throughout the week. Visitors interested in the congress had the opportunity to directly interact with one of the congress organizers, Leon van Paassen, and receive detailed information about the scientific themes, organizational structure, and participation opportunities. Several IAEG executive committee members also visited the booth during the week and interacted with visitors, including Vassilis Marinos, Janusz Wasowski, and Ranjan Kumar Dahal. These interactions created valuable opportunities, particularly for students and early-career researchers, to directly engage with experienced professionals from different countries and scientific backgrounds.

The EGU exhibition environment proved particularly valuable because it enabled interaction beyond the traditional engineering geology community. The booth facilitated communication with researchers from broader

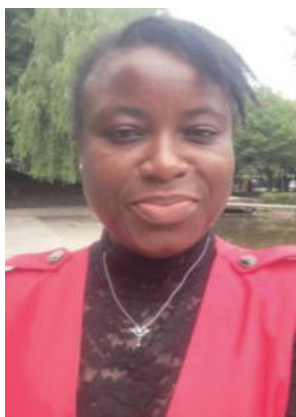


geoscience disciplines, including geomorphology, geotechnics, hydrogeology, environmental sciences, natural hazards, remote sensing, and climate-related studies. This interdisciplinary atmosphere created opportunities for exchanging ideas, discussing future collaborations, and strengthening the visibility of engineering geology within the wider geoscience community.

Overall, the IAEG Booth #104 at EGU2026 can be considered highly successful in terms of visibility, outreach, and professional interaction. The increased survey participation, the large number of direct discussions held during the week, and the strong interest shown toward IAEG activities

clearly demonstrated the importance of maintaining an active presence at EGU. The booth successfully contributed to promoting engineering

geology, strengthening international visibility, and engaging young generations of geoscientists within the global IAEG network.



### YEG Article

#### Improving Landslide Susceptibility Assessment in Mount Oku, Central Africa, Using Geo-environmental and Soil Geomechanical Data

Danny Love Wamba Djukem

State Key Laboratory of Geohazard Prevention and Geoenvironment Protection (SKLGP), Chengdu University of Technology, 610059 Chengdu, China

[wdjukem@gmail.com](mailto:wdjukem@gmail.com)

### 1. Introduction: context and rationale

This contribution builds on a keynote presentation delivered at the 4th African Regional IAEG Conference (6–7 September 2025, Windhoek, Namibia), which highlighted landslide susceptibility at Mount Oku as a representative case for data-scarce tropical

regions in Africa. Landslides are a recurring threat across Africa, often overlooked internationally. In Cameroon, they endanger lives, infrastructure, and economic stability. Recent disasters on the Cameroon Volcanic Line (CVL) illustrate this increasing

risk. On 5 November 2024, a double landslide in Dschang (West Region) killed more than 50 people (Fig. 1A–D). Similar fatal events were recorded in Gouache, Bafoussam (October 2023, 45 deaths), Mbankolo, Yaoundé (October 2023, 23 deaths), and Damas, Yaoundé



(November 2022, >20 deaths), highlighting the urgent need for effective landslide risk assessment, monitoring, and early warning systems. This research derived from our previous investigations (Djukem et al., 2020; Djukem et al., 2024), focused on a 955 km<sup>2</sup> study area (Fig. 1D), located on the western flank of Mount Oku, a major stratovolcano on the CVL.

This region is prone to landslides due to its humid tropical climate (long rainy season between April and November), steep topography, and high population density (162.3 people/km<sup>2</sup>), as highlighted by Djukem et al. (2020). Our goal is to contribute to the development of a proactive, multidisciplinary framework for landslide risk assessment in Africa's

mountainous regions, starting with a scalable approach in Cameroon, specifically on Mount Oku's western flank. The study integrates two complementary streams: assessing geo-environmental and soil geomechanical influences on landslide susceptibility and evaluating potential seismic impacts on slope instability.

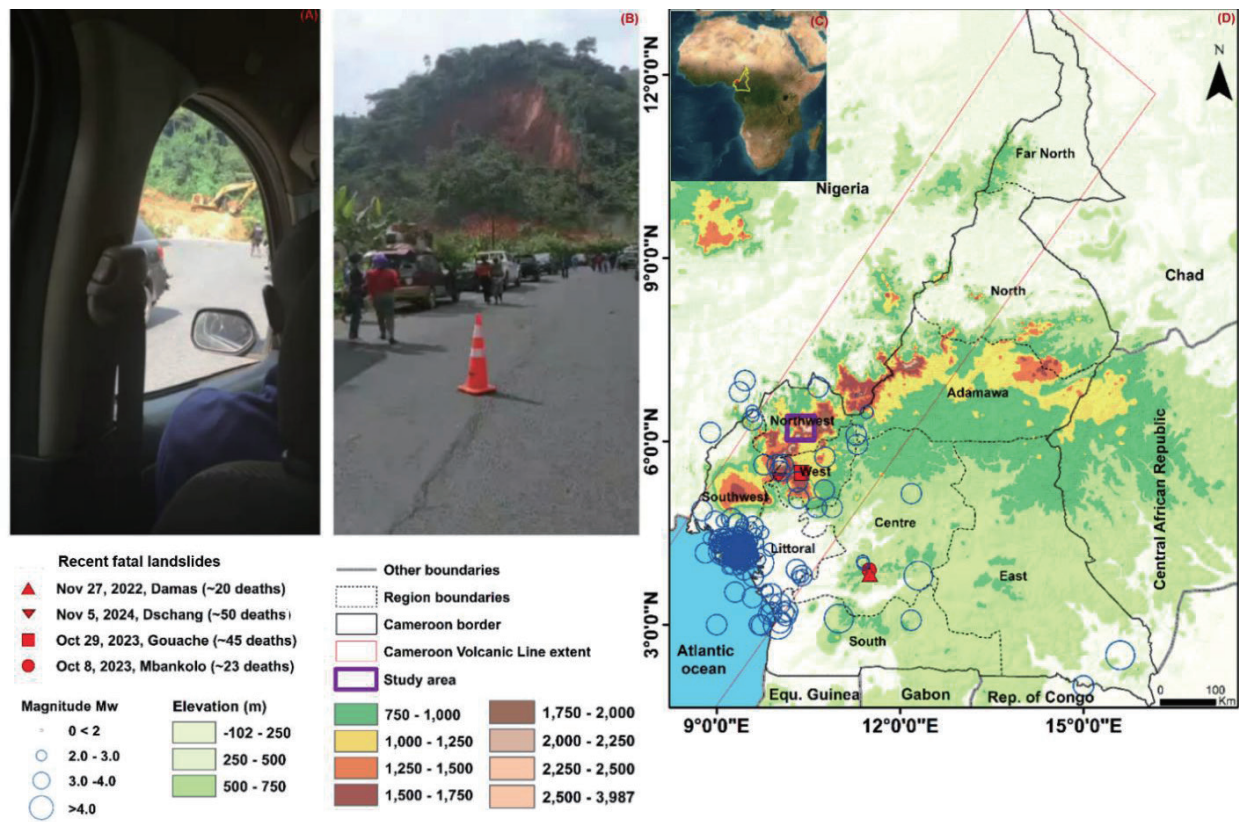


Fig. 1. Recent catastrophic landslides in Cameroon. (A) Passengers waiting for road clearance after the first landslide; (B) Panic among passengers following the second event in Dschang, West Region (November 5, 2024); (C) Regional location of Cameroon within Central Africa; (D) Map showing locations and death tolls from major recent landslides across Cameroon. Images in (A) and (B) were sourced from publicly shared social media footage, and (D) has been modified from Djukem et al. (2024).

## 2. Concise methods and results

### 2.1 Influence of soil and geo-environmental factors (2020 Study focus)

We compiled a landslide inventory by identifying and mapping 179 landslides (shallow to deep slides, debris flows, and complex slides) through field surveys with GPS and Google Earth multi-temporal imagery from 2009

to 2018. Eleven representative soil samples were collected from failure and non-failure sites at depths between 0.25 and 7.3 meters. The laboratory experiments conducted to determine the physical and mechanical behaviour of the

soil included physical tests: particle and bulk density, moisture content, and grain size distribution, Atterberg limits and the Methylene Blue Value (MBV) to assess swelling potential. Mechanical tests included: Direct shear tests to

calculate the intrinsic cohesion and internal friction angle. Geo-environmental parameters involved slope, elevation, land use, and proximity to rivers and roads. Model performance was evaluated using ROC curves by comparing predicted landslide susceptibility values with observed landslide locations.

Results revealed that soils in the study area, developed mainly on weathered basalt and trachy-rhyolite, are dominated

by highly plastic clays with high moisture content and strong swelling–shrinkage behaviour. Lithology is the dominant control on landslide occurrence, followed by slope angle and curvature (Fig. 9h, a, and g in Djukem et al., 2020). ROC validation shows that the geo-environmental model achieves 80% predictive accuracy, increasing to 93% when soil properties are included. Therefore, used alone,

the soil model overclassified the area, mapping 99% as highly susceptible and failing to distinguish moderate or low susceptibility (See Figs. 10, 11 and 12 in Djukem et al., 2020). While inadequate on its own, soil data clearly increases predictive power, raising the accuracy from 80% (geo-environmental only) to 93% (combined model).

## 2.2 Seismic impact and combined triggers (2024 Study focus)

### i. Methodology

In this study, the methodology was extended to distinguish between rainfall- and earthquake-triggered landslides using a combination of deterministic and statistical approaches. Climatic triggering was assessed with the Infinite Slope Model, which calculated the static factor of safety for six scenarios combining two

sliding depths (3 m and 7.5 m) and three moisture conditions (dry, natural, and fully saturated). Seismic effects were evaluated using the Newmark displacement method, assuming a magnitude 5.2 earthquake at 10 km to estimate permanent slope displacements once critical acceleration was exceeded. Finally, K-means

cluster analysis grouped observed landslides into three classes based on their proximity to ridges and rivers, helping to infer whether failures were more consistent with seismic (ridge-controlled) or rainfall-driven (river-controlled) triggering mechanisms.

### ii. Influence of water saturation (climatic trigger)

The combined modeling and statistical analysis highlighted both climatic and seismic influences on landslides at Mount Oku. Water saturation strongly affects slope stability, particularly for deeper landslides. For deep-seated failures (7.5 m), sites stable

under dry conditions largely became unstable when fully saturated, with the proportion of observed landslides in the unstable domain rising from 86% to 97%, indicating rainfall-induced groundwater rise is sufficient to trigger these failures. Shallow landslides

(3 m) also showed increased instability under saturation, with instability rising from 50% to 65%, though many remained marginally stable or stable, implying that additional triggers are needed for failure (See Figs. 10 d, e, and f).

### iii. Evidence of seismic influence

Newmark displacement analysis showed that a hypothetical M5.2 earthquake could trigger landslides, particularly on slopes already marginally stable. For shallow (3 m) landslides, some sites that remain marginally

stable under saturated conditions exhibit high displacement values ( $>10$  cm), indicating seismic acceleration could push them to failure (see Fig. 9. a and b in Djukem et al., 2024). Sankey diagram analysis further

revealed that while saturation alone destabilizes some slopes, others with medium to high ND values remain marginally stable, suggesting a combined triggering effect where earthquakes act on slopes already weakened by



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rainfall (see Fig. 11 in Djukem et al., 2024).

#### iv. Landslide clustering and topographic patterns

K-means analysis grouped the 179 landslides into three clusters (see Figs. 12 and 13 in Djukem et al., 2024), revealing spatial patterns linked to different triggers:

- Cluster 1 (57%, 100 landslides): Close to both rivers and ridges; mixed or indeterminate trigger.

- Cluster 2 (12%, 21 landslides): Far from ridges but near rivers; likely rainfall-induced, reflecting failures from toe erosion and increased pore water pressure.

- Cluster 3 (31%, 54 landslides): Near ridges and far from rivers; likely seismic, consistent with earthquake-induced failures

near crests and supported by medium to high Newmark displacements.

This clustering provides strong spatial evidence that both climatic and seismic factors contribute to landslide occurrence, with specific topographic settings favoring different triggers.

### 3. Conclusion

This work shows that landslide susceptibility at Mount Oku cannot be reliably assessed using geo-environmental factors alone. Adding soil geomechanical data clearly improves predictions and helps explain why some slopes fail while others remain stable. Lithology, slope angle, curvature, and soil cohesion and water content emerge as the strongest controls on slope failure. The combined FoS–Newmark and clustering analyses further reveal that

landslides in the region are driven by interacting triggers: prolonged rainfall primarily controls deep-seated failures through soil saturation, while earthquakes can initiate or reactivate shallow landslides on slopes that are already marginally stable.

Beyond the Mount Oku case study, these results highlight the broader value of harmonized, multidisciplinary approaches to landslide assessment in Africa. Aligned with the objectives of

the 4th African Regional IAEG Conference, “Creating a Safer Future,” this work illustrates how site-specific studies in Cameroon can fit into a continental vision that promotes shared methodologies, regional databases, and practical guidelines. Such collaboration is essential for shifting landslide management in Africa from reactive disaster response toward proactive risk reduction, improved land-use planning, and the development of effective early warning systems.

### References

Djukem D.L.W., Braun A., Fan X. et al. (2024). Investigation of landslide triggers on Mount Oku, Cameroon, using Newmark displacement and cluster analysis. *Geoenvironmental Disasters*, 11, Article 32. <https://doi.org/10.1186/s40677-024-00297-2>.

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Djukem W.D.L., Braun A., Wouatong A.S.L. et al. (2020). Effect of soil geomechanical properties and geo-environmental factors

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### Acknowledgments

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Dschang, Cameroon), and Prof. Hans-Balder Havenith (Georisk & Environment Group, University of Liège, Belgium).

### Author Responsibility Disclaimer

During the preparation of this work, generative AI and AI-assisted technologies were not used in the writing

process. The author takes full responsibility for the content of the publication and for properly referencing all figures, tables,

and information included in the article.

### 20th e-YEG Webinar

The 20th e-YEG (Early Career Engineering Geologists) webinar was successfully held on May 27, 2026, with strong support from industry experts

Jean Hutchinson and Janusz Wasowski.

For those unable to attend the live session or wishing to review the material, the

recording is now available on YouTube. Organizers have officially shared the link below to ensure global access to these valuable resources.

**Webinar Title:** Publishing Abstracts and Journal Articles

**Focus:** Mastering the art of scientific writing and understanding the publishing process — a cornerstone for every researcher's career and the advancement of engineering geology.

### Featured Speakers:

- Jean Hutchinson (Queen's University, Canada)
- Janusz Wasowski (National Research Council - IRPI, Italy)

Watch the full recording here: <https://www.youtube.com/watch?v=ZoVQdvDtzu4&list=PLtCEgGAM4a1etS2wCUf4PutY067xDtp4i>



The poster for the 20th e-YEG Webinar features a dark blue background with a subtle grid pattern. At the top, there are two circular logos: the left one contains the letters 'YEG' in a stylized font, and the right one contains the text 'EN IAEG AIGI GEOL'. Below the logos, the title '20th e-YEG Webinar' is displayed in a white box. Underneath the title, the topic 'PUBLISHING ABSTRACTS AND JOURNAL ARTICLES' is written in white capital letters. The poster then shows two headshots of the speakers. On the left is Jean Hutchinson, a woman with blonde hair and glasses, wearing a blue top. On the right is Janusz Wasowski, a man with dark hair and glasses, wearing a dark jacket. Below each headshot is the speaker's name and affiliation in white text. At the bottom of the poster, there is a white box containing the date and time 'WEDNESDAY 27 MAY 2026 13:00 UTC'. Below this box is a blue button with the text 'REGISTER NOW' in white. To the right of the button is a QR code.

20th e-YEG Webinar

PUBLISHING ABSTRACTS AND JOURNAL ARTICLES

JEAN HUTCHINSON  
QUEEN'S UNIVERSITY, CANADA

JANUSZ WASOWSKI  
NATIONAL RESEARCH COUNCIL –  
INSTITUTE FOR GEO-HYDROLOGICAL  
PROTECTION, ITALY

WEDNESDAY 27 MAY 2026 13:00 UTC

REGISTER NOW



# XV IAEG WORLD CONGRESS



## TRAVEL GRANTS & SUPPORT

✈️ Travel and accommodation grant of up to €1000  
(registration not included)

🎓 2 Registration Waivers for Master students

🔬 2 Registration Waivers for Ph.D. and Early Career

**APPLICATIONS NOW OPEN!**



**DEADLINE: 15 JULY 2026**

**Full details & application link in caption**



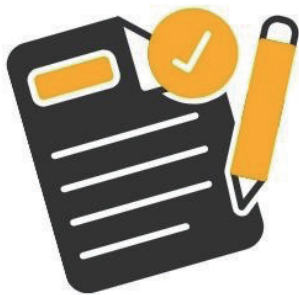


## EVALUATION CRITERIA

- Under 40 years old at the time of the Congress
- Member of a National Association and/or affiliated with IAEG
- M.Sc., Ph.D. students & Early Career professionals

## REQUIRED DOCUMENTS

- One-page CV
- Cover Letter (max 1 page, in English)
- \*Detailed breakdown of expenses in Euro (€)



\*Reimbursement will be processed after the article submission and expense receipts are provided.







## PLEASE NOTE THE RULES:

Selected candidates will be required to write an article for publication in the YEG e-Connector Section as a mandatory condition to receive the registration waiver or grant.

Reimbursement will be processed after the article is submitted and expense receipts are provided.



**Find the template & guidelines at:  
[iaeg.info/yeg-articles-section/](https://iaeg.info/yeg-articles-section/)**



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## 8.

# 2026 IAEG WORLD CONGRESS

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The 2026 IAEG World Congress is approaching. Authors are putting the finishing touches on their full papers, while session co-chairs are shaping an exciting scientific programme.

IAEG 2026 continues to gain momentum, with new sponsors joining and preparations underway across the TU Delft campus and surrounding area.

Rotterdam is ready to welcome

all the participants! In this edition, discover the sponsors, Geo Lab tours, and a selection of the many attractions that make Rotterdam a vibrant destination for visitors.

30 Oct – 6 Nov 2026 | Delft, The Netherlands

## XV IAEG 2026 WORLD CONGRESS

ENGINEERING GEOLOGY IN A RAPIDLY CHANGING WORLD

### 3rd Newsletter



### Early Bird Registration Now Open

 Deadline 1 August 2026

» Register via  
<https://www.iaeg2026.org/150970/registration>



INQUIRIES  
General : [iaeg2026@tudelft.nl](mailto:iaeg2026@tudelft.nl)  
Scientific prog. : [info@iaeg2026.org](mailto:info@iaeg2026.org)  
Sponsorship : [sponsors@iaeg2026.org](mailto:sponsors@iaeg2026.org)

STAY CONNECTED  


Please refer to <https://www.iaeg2026.org/150970/newsletter> for the 3rd circular of IAEG 2026 XV World Congress.



9.

## 16TH IAEG ASIAN REGIONAL CONFERENCE

**Bridging Through Engineering Geology for Co-Creation  
– Realizing a Safer Society in Harmony with Nature**

**16th Asian Regional Conference of International Association of  
Engineering Geology and the Environment**



**November 25-27 2027 Izumisano City, Osaka, Japan**



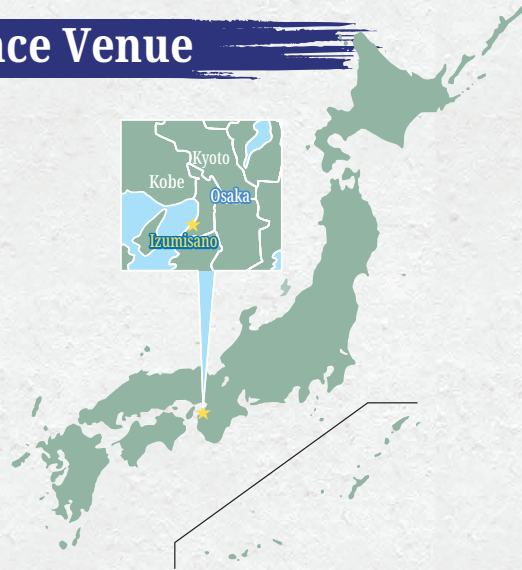
Cooperate with IZUMISANO MICE

<https://ec-convention.com/arc16>





## Conference Venue



Ebuno Izumi no Mori Hall  
Izumisano City, Osaka, Japan

<https://www.cf-izumisano.or.jp/izuminomori/> (Available in Japanese only)

[https://mice.osaka-info.jp/en/venue\\_search/izumisano-cultural-hall/index.php](https://mice.osaka-info.jp/en/venue_search/izumisano-cultural-hall/index.php)

## Organization

Japan Society of Engineering Geology  
Japan National Group of IAEG

## Secretariat Office

Email: [arc16.secretariat@jseg.or.jp](mailto:arc16.secretariat@jseg.or.jp)







## Aim of Conference

Engineering Geology in Japan began with resource exploration and has long played a vital role in supporting the development of social infrastructure, including railways, roads, tunnels, dams, and power plants. Through investigations and research on frequently occurring earthquakes, heavy rainfall, and sediment-related disasters, it has also made significant contributions to elucidating the geological environment of the Japanese Archipelago, a complex and active tectonic belt.

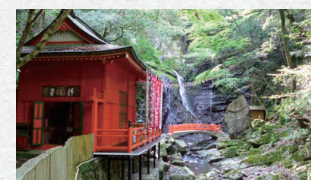
Meanwhile, in Asia—where rapid economic growth continues—disaster risks have been intensifying and becoming more complex due to climate change, alongside the expansion of social assets. As observed during the 2024 Noto Peninsula Earthquake, there is an increasing number of cases in which communities face new disasters during the recovery process. These challenges highlight the growing need to further advance research in Engineering Geology and disaster risk reduction, as well as to strengthen international collaboration.

Ensuring the safety of social infrastructure requires an accurate understanding of the geological environment and the appropriate integration of geological knowledge into civil engineering practice. However, there has been historical reflection on the insufficient collaboration between geology and civil engineering. In addition, the aging of infrastructure constructed during periods of rapid economic growth has become an urgent issue. To build a safe and secure society for the future, it is essential to understand natural processes on geological time scales and to promote cross-disciplinary cooperation.

Against this backdrop, this Asian Regional Conference is held under the theme “Bridging Through Engineering Geology for Co-Creation – Realizing a Safer Society in Harmony with Nature” The conference aims to provide a platform for researchers and engineers from across Asia to share the latest knowledge and deepen international dialogue and collaboration on key issues such as natural hazards, resources and energy, the environment, and subsurface development.

Furthermore, as generational change among engineers progresses, the conference seeks to promote the transfer of expertise by providing opportunities for interaction and mutual learning between young professionals and senior experts. Through these efforts, the conference also aspires to contribute to the advancement of Engineering Geology that will support the future of Asia. We sincerely look forward to your participation.

Prof. Masahiko OSADA, Chair of the ARC16 Organizing Committee





## Topics

1. Engineering Geology in Active Tectonic Regions
2. Geohazards: Toward Mitigation of Cascading Complex Geodisasters
3. Urban Engineering Geology and Civil Infrastructure
4. Geoinformatics
5. Hydrogeology and Groundwater Systems
6. Anthropogenic Impacts and Geo-environmental Recovery Processes
7. Sustainability of Humanosphere and Utilization of Surface and Subsurface Geospace
8. Role of Engineering Geology for Developing Renewable Energy Resources
9. Education, Outreach, and Capacity Building with Diversity
10. Geoethics and Social Responsibility
11. Others(General Contributions)



## Program Outline (tentative)

| Tue<br>Nov. 23<br>2027                                    | Wed<br>Nov. 24<br>2027                     | Thu<br>Nov. 25<br>2027                                                                                             | Fri<br>Nov. 26<br>2027                                                 | Sat<br>Nov. 27<br>2027                                                 | Sun<br>Nov. 28<br>2027    | Mon<br>Nov. 29<br>2027     |
|-----------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------|----------------------------|
|                                                           | Registration                               | Registration                                                                                                       | Registration                                                           | Registration                                                           |                           |                            |
| IAEG Executive<br>Committee<br>Meeting<br>(to be decided) | IAEG Council<br>Meeting<br>(to be decided) | Opening Ceremony<br>Presidential Lecture<br>Keynote Lecture<br>Oral Sessions<br>Poster Session<br>YEG/WEG workshop | Keynote Lecture<br>Oral Sessions<br>Poster Session<br>YEG/WEG workshop | Keynote Lecture<br>Oral Sessions<br>Poster Session<br>Closing Ceremony | Field Excursion<br>(1day) | Field Excursion<br>(2days) |
|                                                           |                                            | Exhibition                                                                                                         | Exhibition                                                             | Exhibition                                                             |                           |                            |
|                                                           |                                            |                                                                                                                    | Banquet                                                                |                                                                        |                           |                            |

## Important Dates



|                                              |                 |
|----------------------------------------------|-----------------|
| Call for Abstracts                           | 1 November 2026 |
| Abstract Submission Deadline                 | 31 March 2027   |
| Notification of Abstract Acceptance          | 30 April 2027   |
| Extended Abstract Submission Deadline        | 30 June 2027    |
| Notification of Extended Abstract Acceptance | 31 August 2027  |



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# 10. IAEG NEW MEMBERSHIP PLATFORM

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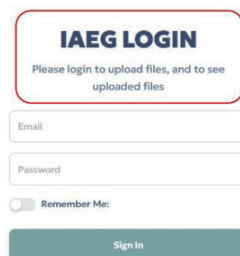
We are pleased to announce that the IAEG has officially launched a secure and new digital platform for member management. The platform is now accessible at: <https://nrg.iaeg.info/auth/login>

This new system is designed to streamline the submission process for NG/RG representatives, allowing them to efficiently upload their member lists, annual reports, and other relevant group information.

NG/RG representatives will receive their login credentials via email. To assist with this transition, please follow the step-by-step guidelines below to complete your submission, or download the PDF version at [https://www.dropbox.com/scl/fi/5inz4q68aavqoy845empb/NG\\_RG-instructions.pdf?rlkey=aqsf60vb9zywmfl8svfcw476b&st=r7nhqop6&dl=0](https://www.dropbox.com/scl/fi/5inz4q68aavqoy845empb/NG_RG-instructions.pdf?rlkey=aqsf60vb9zywmfl8svfcw476b&st=r7nhqop6&dl=0)

## IAEG NG/RG login

<http://nrg.iaeg.info>

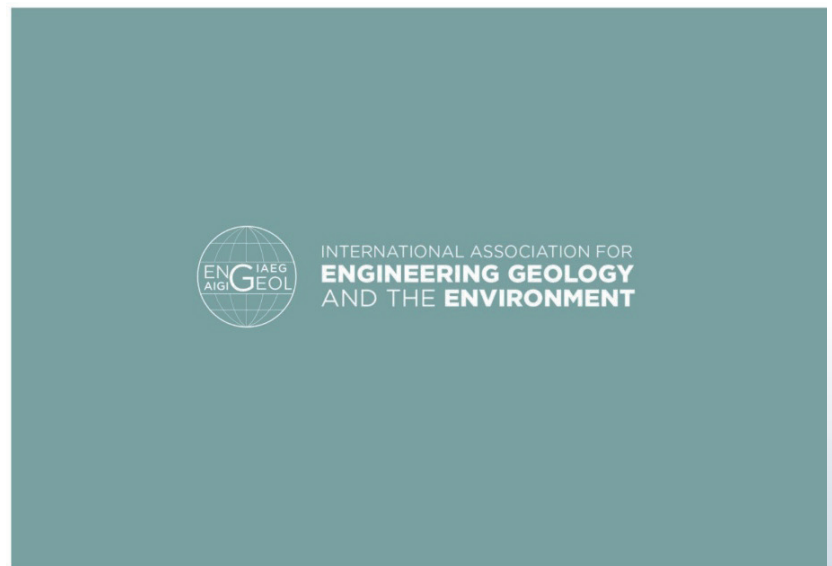


**IAEG LOGIN**  
Please login to upload files, and to see uploaded files

Email

Password

☐ Remember Me:



# 11.

## MEMBERSHIP UPDATE 2026

By June 30, 2026 the number of IAEG memberships is 2310 from 74 national/regional groups.

| VP              | No. | NG                 | total | YEG members |
|-----------------|-----|--------------------|-------|-------------|
| Anthony Bowden  | 1   | Australia          |       |             |
|                 | 2   | New Zealand        |       |             |
| Janusz Wasowski | 3   | Albania            |       |             |
|                 | 4   | Austria            |       |             |
|                 | 5   | Bulgaria           |       |             |
|                 | 6   | Croatia            | 31    |             |
|                 | 7   | Cyprus             |       |             |
|                 | 8   | France             |       |             |
|                 | 9   | Georgia            | 13    |             |
|                 | 10  | Greece             |       |             |
|                 | 11  | Hungary            |       |             |
|                 | 12  | Italy              | 94    | 14          |
|                 | 13  | Portugal           |       |             |
|                 | 14  | Romania            | 24    | 5           |
|                 | 15  | Serbia             |       |             |
|                 | 16  | Slovenia           | 52    |             |
|                 | 17  | Spain              |       |             |
|                 | 18  | Switzerland        | 59    |             |
|                 | 19  | Turkey             |       |             |
| Helen Reeves    | 20  | Belorussia         |       |             |
|                 | 21  | Netherlands        |       |             |
|                 | 22  | Lithuania          | 18    | 7           |
|                 | 23  | The United Kingdom |       |             |
|                 | 24  | Belgium            |       |             |
|                 | 25  | Czech Republic     |       |             |
|                 | 26  | Denmark            |       |             |
|                 | 27  | Estonia            |       |             |
|                 | 28  | Finland            |       |             |
|                 | 29  | Germany            | 451   | 27          |
|                 | 30  | Iceland            |       |             |
|                 | 31  | Ireland            |       |             |
|                 | 32  | Norway             |       |             |
|                 | 33  | Poland             |       |             |
|                 | 34  | Russia             |       |             |
|                 | 35  | Slovak Republic    | 10    | 1           |
|                 | 36  | Sweden             |       |             |



| VP                                     | No. | NG             | total | YEG members |
|----------------------------------------|-----|----------------|-------|-------------|
|                                        | 37  | Uzbekistan     |       |             |
| Moshood N. TIJANI                      | 38  | Algeria        | 6     |             |
|                                        | 39  | Cameroon       | 12    |             |
|                                        | 40  | Kenya          |       |             |
|                                        | 41  | Nigeria        | 150   | 40          |
|                                        | 42  | South Africa   | 174   | 67          |
|                                        | 43  | Morocco        |       |             |
| Julien Cohen-Waeber                    | 44  | Canada         |       |             |
|                                        | 45  | USA            |       |             |
| Francisco de Jorge                     | 46  | Argentina      | 24    | 3           |
|                                        | 47  | Bolivia        |       |             |
|                                        | 48  | Brazil         |       |             |
|                                        | 49  | Chile          | 69    |             |
|                                        | 50  | Colombia       | 10    |             |
|                                        | 51  | Costa Rica     | 19    | 6           |
|                                        | 52  | Mexico         | 18    | 7           |
|                                        | 53  | Paraguay       |       |             |
|                                        | 54  | Peru           | 15    | 5           |
| Ranjan Kumar Dahal<br>&<br>Shengwen Qi | 55  | Bangladesh     |       |             |
|                                        | 56  | Bhutan         |       |             |
|                                        | 57  | China          |       |             |
|                                        | 58  | Chinese Taipei | 107   | 17          |
|                                        | 59  | Cambodia       |       |             |
|                                        | 60  | Hong Kong      | 11    | 2           |
|                                        | 61  | India          | 280   | 74          |
|                                        | 62  | Indonesia      |       |             |
|                                        | 63  | Iran           |       |             |
|                                        | 64  | Iraq           |       |             |
|                                        | 65  | Japan          | 84    | 3           |
|                                        | 66  | Korea          | 20    |             |
|                                        | 67  | Malaysia       |       |             |
|                                        | 68  | Mongolia       | 15    | 11          |
|                                        | 69  | Myanmar        |       |             |
|                                        | 70  | Nepal (NGS)    |       |             |
|                                        |     | Nepal (NSEG)   | 544   | 458         |
|                                        | 71  | Pakistan       |       |             |
|                                        | 72  | Singapore      |       |             |
|                                        | 73  | SEAGS          |       |             |
|                                        | 74  | Vietnam        |       |             |
| Individual Member                      |     |                |       |             |
| Associate Member                       |     |                |       |             |
| Total                                  |     |                | 2310  | 747         |

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# 12.

## 5th IAEG SUMMER SCHOOL

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### FIFTH SUMMER SCHOOL OF THE INTERNATIONAL ASSOCIATION FOR ENGINEERING GEOLOGY AND THE ENVIRONMENT



**Aosta (Italy) June 29 - July 7, 2026**

The school is dedicated to **PhD students** in Earth Sciences and Engineering Geology

**NO REGISTRATION FEE IS REQUIRED**

The number of participants is limited

Application deadline: April 1, 2026

Contact: [sciaeg@irpi.cnr.it](mailto:sciaeg@irpi.cnr.it)

#### MORE INFORMATION



#### SUBMIT YOUR APPLICATION



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Please refer to <https://www.dropbox.com/scl/fi/qvc07qimsey5h0wdmouex/IAEG-summer-school-2026-program.pdf?rlkey=sxvmq85unf0lllygpgd4wmnzs&st=yqjh8rac&dl=0> for the full program.



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# 13.

## NEWS OF NATIONAL / REGIONAL GROUPS

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### **\*\*China\*\***

#### **The 3rd “Wang Lecture” Successfully Held: Inheriting the Spirit of the Former President and Focusing on the Frontiers of Engineering Geology**

The 3rd “Wang Lecture” Successfully Held: Inheriting the Spirit of the Former President and Focusing on the Frontiers of Engineering Geology

The 3rd “Wang Sijing Lecture” was held at North China University of Water Resources and Electric Power from April 17 to 19, 2026. Themed “Academician Wang Sijing and Water Conservancy and

Hydropower Engineering,” the conference aimed to honor the legacy and scientific spirit of Academician Wang, the highly respected former President of the International Association for Engineering Geology and the Environment (IAEG). The event focused on frontier issues and the innovative development of rock mass engineering geomechanics.

This lecture received significant

attention from the IAEG China National Group, attracting nearly 300 experts, scholars, and student representatives from universities, research institutes, and engineering enterprises nationwide. Key IAEG officials, including Secretary-General Wu Faquan, Former Vice President Tang Huiming (Academician of the Chinese Academy of Sciences), and Vice President Qi Shengwen, attended the event.



During the invited talks and academic exchange sessions, these renowned experts delivered insightful speeches. Participating scholars shared cutting-edge achievements on key topics such as the geomechanics of deep rock

mass engineering, the safety of deep slopes, dynamic responses of rock slopes, scientific paradigm shifts, the stability of high dams, the evolution of alpine slopes, the prevention and control of massive rockfalls, and intelligent

defense against geological hazards. The reports seamlessly combined theoretical depth with practical engineering application, fostering a highly engaging atmosphere for discussion.



Wu Faquan delivering a keynote report



Tang Huiming delivering a keynote report

Closely aligned with the strategic needs of national water conservancy and hydropower engineering, the lecture yielded fruitful exchange outcomes. Moving forward, the IAEG China National Group will continue to unite scientific and technological workers in engineering geology, deepen international academic exchanges, and promote the

steady development of the discipline in China, thereby contributing Chinese expertise to solving major global geotechnical and geological environmental problems.

The closing ceremony concluded with a retrospective on Academician Wang Sijing's outstanding contributions to theoretical innovation, disciplinary advancement, and

major national projects. In the concluding remarks delivered by Qi Shengwen, it was highlighted that the engineering geomechanics founded by Mr. Wang possesses strong vitality, and his proposed "intelligent engineering geomechanics" remains scientifically forward-looking, continuing to drive new developments in the discipline.



Qi Shengwen delivering a concluding remark



## **\*\*New Zealand\*\***

LaRGE2026 (Landslide Risk Assessment, Communication and Geo-Education) was a landmark international workshop hosted by the New Zealand Geotechnical Society in late April. It brought together, for the first time, the Federation of International Geo-Engineering Societies' (FedIGS) Joint Technical Committees JTC1 (Natural Slopes and Landslides) and JTC3 (Education and Training). The conference united global experts, practitioners, researchers, and responders to advance landslide risk management through the integration of science and engineering, education, and

communication.

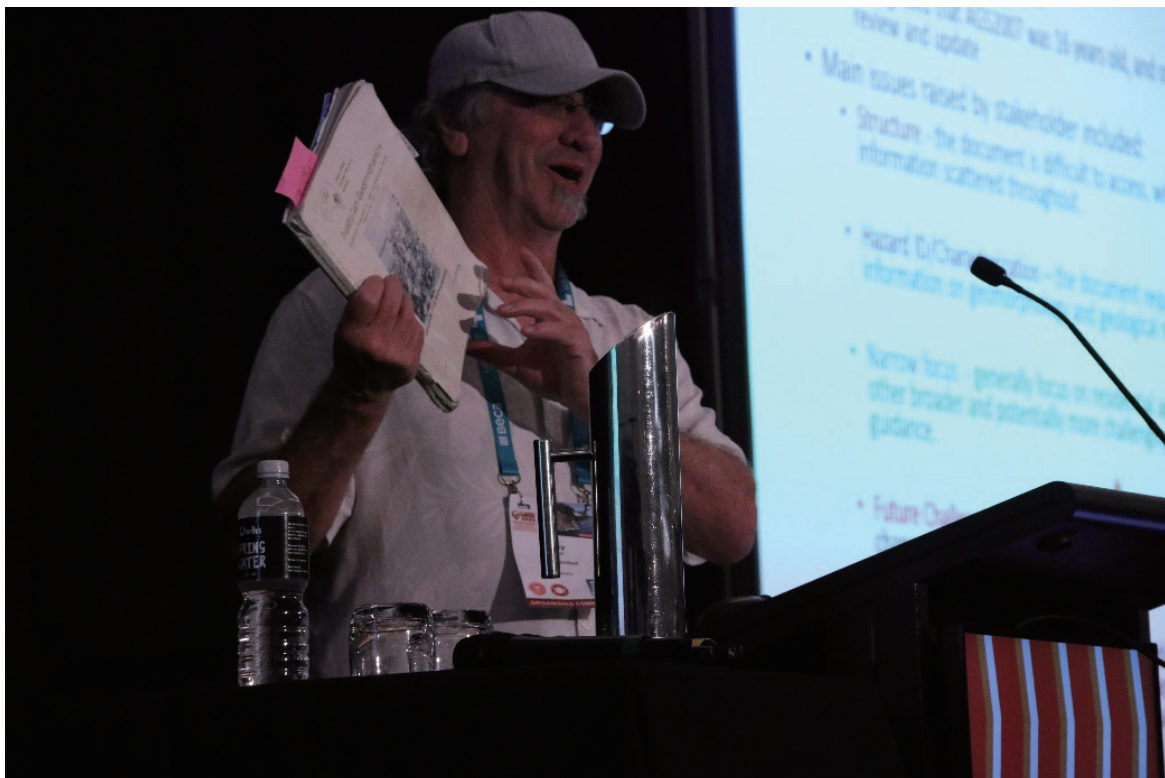
More than 440 participants (including 64 online) joined the workshop conference in Queenstown, New Zealand – a location known for its many large landslides.

The central theme, “*Landslide Risk and Geo Education*,” reflected the full lifecycle of landslide risk management from building scientific understanding and improving risk assessment methods to educating future professionals and effectively communicating risk and uncertainty to communities and decision-makers. A key aim was to translate knowledge into real-

world change, ultimately improving resilience and reducing harm from landslides.

LaRGE2026 was designed as an interactive, project-based workshop, placing less emphasis on traditional presentations and focusing instead on developing tangible outputs. There were three core workshops, one on each day of the conference. Each lasted about two hours and included all delegates, making them the central hub of the event. Each ran slightly differently, but each engaged the audience in surveys, knowledge sharing and helping to shape three significant active projects:

- 1.Landslide Watch Aotearoa (Earth Sciences NZ)
- 2.ANZ Landslide Risk Management Guidelines (NZGS & AGS)
- 3.Hōretireti Whenua – Sliding Lands (Earth Sciences NZ)



The NZGS-AGS landslide risk management workshop was well received

A strong emphasis was placed on communication, education, and interdisciplinary collaboration. Dedicated sessions explored how to translate complex science into usable information, address uncertainty, and empower communities and decision-makers to act. Key discussions focused on bridging gaps between technical knowledge and implementation, aligning planning, insurance, and public

understanding, and advancing globally consistent approaches through standardisation and shared data.

Panel discussions were used to delve into some of the more difficult unsolved challenges. These had an evolving theme throughout the event starting technical on day 1 (Data and advanced techniques), moving to strategic on day 2 (Risk to Policy), and closing with the

challenge of embedding change on day 3 (Communications, Outreach & Education). Special thanks go to our panellists Ann Williams, Jean Hutchinson, Gonghui Wang, Jo Horrocks, Lori Peek, and Sally Potter. Special thanks go to Reginald Hermanns who, despite being unable to travel because of flight cancellations, gave a very insightful online submission.



Panel discussion

Field trips were carefully linked to the conference purpose. They were held in advance of the event to give time for people to build personal connections and start communicating, and each field trip aligned with a core part of the conference theme. The visited were used in the workshops. A trip to Milford Sound examined how landslide-induced tsunami risk is assessed and managed by authorities in the area, and how this is communicated to

tourists. Another trip to the small village of Glenorchy focused on the transition from multi-hazard knowledge to community engagement and resilience. The third field trip to the Clyde Dam looked at landslide risk management for major infrastructure, including monitoring with InSAR and traditional techniques.

There was also a series of training courses alongside the event which aligned with these

themes. This included a two-day InSAR course, and one day courses covering Land Use Planning for Landslides, the NZGS Slope Stability guidelines, IAEG C25 Engineering Geological Models for Landslides, and Landslide Emergency Response. In addition, there was an unusual addition focused on communication. The New Zealand Science Media Centre gave 15-minute one-on-one coaching sessions in front of





Planning course attendees learning how to manage risk

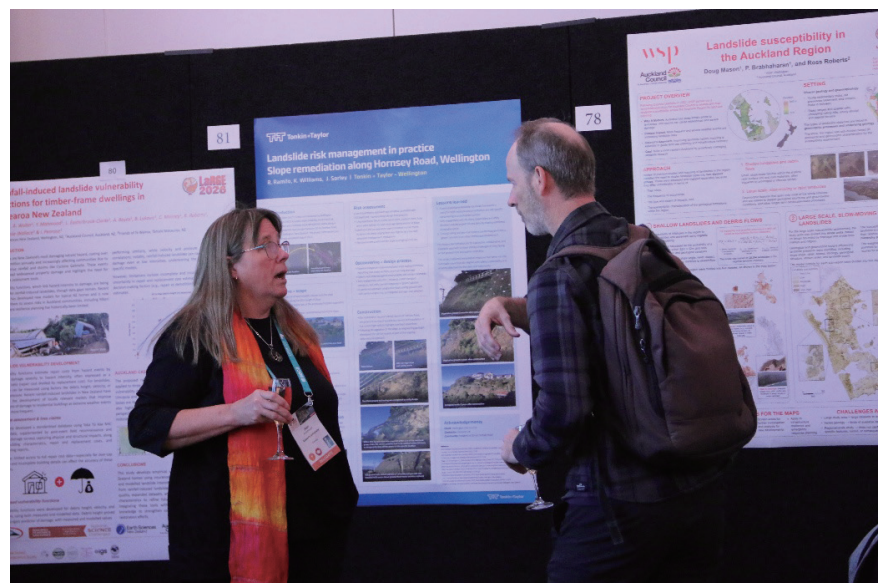
a camera, and each participant receive a polished 90-second video edited from their best takes during the session.

The programme was full, with long days beginning as the sun rose and continuing well into the evening. The breadth and depth of attendees was a particular strength, ranging from students presenting their PhD research through to internationally recognised technical leaders in landslide detection, risk assessment, risk communication and landslide management. Underpinning the technical programme was a strong focus on advancing geo-education as a foundation for the long-term capability and resilience of our profession. A technical highlight was the presentation by Associate Professor Yifei Cui who delivered the JTC1 Hutchinson Lecture on “Interpreting Dynamic Processes and Early Warning of Debris Flows Based on Seismic Signals”.

The presentation programme was varied and highly engaging, including keynote lectures, traditional technical presentations, three-minute poster presentations, poster sessions, interactive sessions and panel discussions. This format created a dynamic environment for technical exchange and encouraged discussion across different career stages, disciplines and areas of expertise.

The high-profile keynote speakers addressed critical and emerging issues, including Professor Nicola Casagli and Janusz Wasowski on advances in Earth observation and radar technologies for monitoring and early warning, and Professor Tim Davies on the limitations of probabilistic risk in disaster reduction. Professor Xuanmei Fan described the increasing importance of cascading hazards driven by earthquakes and climate change in the Paul Marinos Lecture, and Professor Manchao He described his incredible work on innovations in landslide prediction.

Professor Dave Petley highlighted the likely increase in landslide impacts (a term Professor Tim Davies, challenged us to use rather than Risk), due to the combination of climate change, environmental degradation and increased vulnerability, despite our increased understanding of landslides. Close to 200 people have already lost their



Participants engaged in lively poster discussions during the session

lives to landslides this year - a figure that will inevitably rise to many hundreds by the time the FedIGS meeting convenes at the end of October this year. His message was a clear call to action, cautioning scientists and engineers against abdicating their responsibility to communicate risk effectively.

Many of the presentations highlighted the ongoing challenge of effective risk communication. Collectively, these perspectives emphasised the need to integrate cutting-edge science with practical decision-making and public understanding.

The networking programme was also a highlight, from the welcome function and young members' evening through to

the gala dinner, which included a trip on the TSS Earnslaw across Lake Wakatipu, gourmet food, and a classic New Zealand high-country farming demonstration. Queenstown provided a spectacular setting for the conference, with a light dusting of snow on the surrounding peaks, clear bluebird days, golden autumn leaves and sunlight illuminating the remarkable geomorphology of the region.

LaRGE2026 provided a powerful global platform for advancing landslide risk assessment, education, and communication - grounded in collaboration, innovation, and the need to be impactful. By combining a focused technical theme (landslides) with a

broad, interdisciplinary and international community, the conference has begun to lay the foundations for meaningful improvements in how landslide risks are understood, managed, and communicated.

The discussions reinforced a sobering reality: while loss of life from landslides remains, to some extent, inevitable, our collective responsibility is to reduce that toll. Significant progress is being made in predictive modelling and in generating actionable information for stakeholders and the public. Although much of this work is currently undertaken independently, there is clear convergence in intent and direction.



Delegates from China

The organising committee wanted this to be more than a traditional conference; it needed to educate and inform but also have wider benefits. Some objectives won't be achieved for a while, but many are already underway:

- The findings of the three core workshops are already being incorporated into the projects.
- The conference was used by a separate not-for-profit organisation to create a virtual field trip about landslides aimed at intermediate-level school

children. Our delegates were interviewed about landslides, and the Clyde Dam field trip made a stunning backdrop. Keep an eye out for this on <https://learnz.org.nz/>

- We had a journalist present for the conference who interviewed



many of the delegates and has prepared articles about the field trips and conference for a national newspaper and magazine in New Zealand.

·Proceedings are being prepared showcasing the fantastic papers. In addition, we will (where we have permission) will be sharing these online along with the posters and the video recording of the presentation so the content will be available in three distinct forms. All presentations were recorded for posterity.

·The recording of the event for live-streaming was also used to record two of the training courses. We hope to use edited versions of these, and potentially some of the core conference presentations, to develop interactive online

training for our members.

Encouragingly, examples of knowledge sharing - such as the translation of the AGS2007 guidelines into Italian - demonstrate the appetite for collaboration. This highlights the need to move towards a shared framework including a common language around key concepts such as data, risk, uncertainty, and resilience. Without clarity and alignment in these fundamental terms, it will remain difficult to achieve consistency across planning, insurance, and public communication.

A critical gap identified is the transition from describing uncertainty to actively using it in decision-making. While this challenge is widely recognised, further coordinated effort is

needed to avoid fragmentation and the proliferation of competing approaches.

It was outstanding to see the contribution that each of the sister societies could bring and the active participation of Chungsik Yoo (President of FedIGS), Prof Vassilis Marinos (President of IAEG), and Prof. Ki-Bok Min (ISRM VP for Asia) who said “My impression from LaRGE 2026 is that rock mechanics researchers can contribute more, particularly in unveiling the underlying mechanisms of landslide initiation and evolution.”

As emphasised during the conference, collaboration and communication must remain central to this effort if we are to achieve meaningful change.



The poster features a blue geometric background with a globe icon containing the text 'ENG IAEG AIGI GEOL'. The main title 'IAEG @ LaRGE 2026' is prominently displayed, followed by 'News from Queenstown, NZ'. Below this is the 'LaRGE 2026' logo. Three photographs are shown: a woman speaking at a podium, a group of people in a workshop, and another woman speaking at a podium. Each photo has a caption identifying the speaker and their role. At the bottom, a text block states 'Engineering geology is key to tackling landslide risk and IAEG is proud to support this global effort.' followed by a list of highlights including field trips, training workshops, and keynotes. A badge on the right indicates 'Joining 350+ experts in Queenstown'.

**IAEG @ LaRGE 2026**  
News from Queenstown, NZ

**LaRGE 2026**

**Speaker**  
Ann Williams  
WEG Chair

**IAEG President**  
Vassilis Marinos

**Speaker**  
Jean Hutchinson  
JTC3 Chair

Engineering geology is key to tackling landslide risk and IAEG is proud to support this global effort.

Highlights include:

- Field trips (Milford Sound, Clyde Dam, Glenorchy)
- Training workshops (InSAR, slope stability, emergency response, engineering geological modelling)
- Inspiring keynotes & sessions on landslide data, risk & communication

Joining 350+ experts in Queenstown

## **\*\*PERU\*\***

The IAEG Peruvian Group has recently shared a contribution on integrating geoheritage into geoscience education across Latin America and the Caribbean.

Published in the Bulletin of the Geological Society of Mexico, the article “Educational Evaluation of Geosites in Peru: A Replicable Methodology for Latin America and the Caribbean” presents a practical and transferrable framework for assessing the educational value of geosites in regions with limited institutional resources.

Although Latin America

and the Caribbean host extraordinary geological diversity, geoheritage remains insufficiently incorporated into formal education systems, territorial planning, and community-based geoscience initiatives. Peru alone contains more than 450 registered geosites and the UNESCO Global Geopark of Colca and Andagua Volcanoes, yet important gaps persist between geological heritage, education, and public engagement.

To address this challenge, the study adapts the methodology proposed by Mikhailenko

and Ruban (2023) into a multicriteria tool that can be applied by educators, engineering geologists, local authorities, and geoheritage professionals. The framework evaluates seven functional variables, including accessibility, landscape diversity, visibility, aesthetics, audience suitability, and educational use potential, through a quantitative scoring system that classifies geosites according to their educational value.

*Boletín de la Sociedad Geológica Mexicana* / 78 (1) / A071125 / 2026 / 1

***Educational evaluation of geosites in Peru: A replicable methodology in Latin America and the Caribbean***



**Cordillera Negra (Black Range), Ancash**

**The Añashuayco quarries and terraces of the Chili Valley (Arequipa)**

**Georoute Miraflores-Huaquis, Yauyos**

Sandra Paula Villacorta Chambi<sup>1,2,\*</sup> , Nicanor Prendes<sup>3</sup> , César Chacaltana<sup>1,4</sup> ,  
Almudena Sánchez de la Muela<sup>5</sup> , Rubén Romero Mayma<sup>6</sup> 

Full text available at: [DOI: 10.18268/BSGM2026v78n1A071125](https://doi.org/10.18268/BSGM2026v78n1A071125)

The methodology was tested across five representative geologically significant areas in Peru, including Cordillera Negra, Pongo de Rentema,

Nevado Coropuna, the Miraflores–Huaquis Georoute, and the Añashuayco quarries and Chili Valley terraces in Arequipa, which obtained

the highest educational score. A modified Delphi process ensured strong expert consensus, with inter-evaluator variability maintained below



10%.

Importantly, the paper also highlights the relevance of geoethical and community dimensions through the incorporation of the 8G framework (Brocx & Semeniuk, 2019), recognising Indigenous knowledge systems, such as the Andean Apu cosmovision, as valuable geocultural components within geoeducation and geosite

interpretation.

Beyond Peru, this contribution provides a scalable methodology for other countries with similar characteristics that seek to strengthen geoeducation, community engagement, sustainable geotourism, and the protection of geological heritage. The framework aligns closely with the Sustainable Development Goals (SDGs 4, 11, and 15) and

demonstrates how engineering geology can actively contribute to education, sustainability, and territorial resilience.

The IAEG Peruvian Group hopes this work may encourage further collaboration and discussion on geoheritage, geoeducation, and geoconservation within the international engineering geology community.

Suggested citation:

Villacorta, S.P., Prendes, N., Chacaltana, C., de la Muela, A. S., & Mayma, R. R. (2026). *Educational evaluation of geosites in Peru: A replicable methodology in Latin America and the Caribbean*. *Bulletin of the Geological Society of Mexico*, 78(1), A071125.

## **\*\*PORTUGAL\*\***

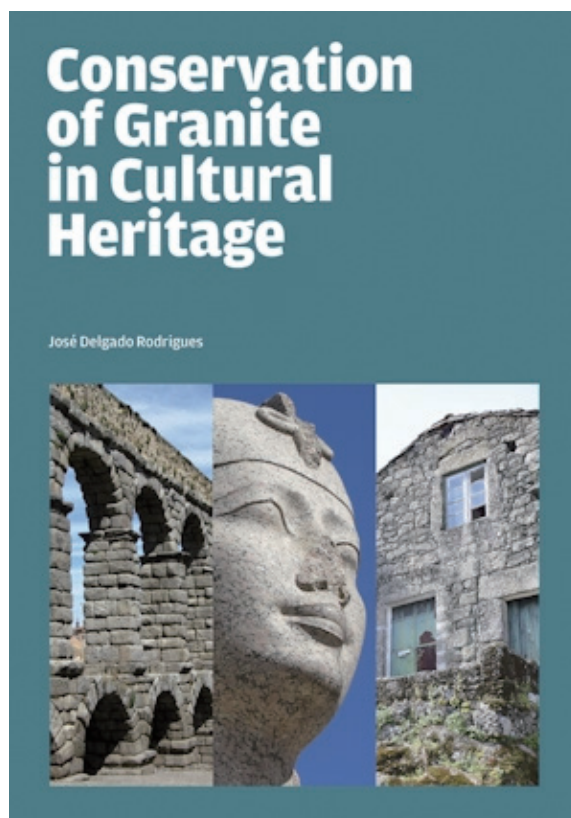
### **Former SPG President José Delgado Rodrigues Publishes Landmark Book Conservation of Granite in Cultural Heritage**

#### **Book Profile:**

- **Title:** Conservation of Granite in Cultural Heritage
- **Author:** José Delgado Rodrigues (Former President of SPG, Former Secretary General of ISRM)
- **Publisher:** The Getty Conservation Institute (Los Angeles, CA, USA)
- **Available at:** [www.yalebooks.co.uk](http://www.yalebooks.co.uk)

The Portuguese Group of IAEG, ISRM, and ISSMGE (SPG) is immensely proud to share the latest achievements of our distinguished member, Dr. José Delgado Rodrigues.

A globally renowned expert in the preservation of historical stone structures, Dr. Rodrigues has recently published a significant new book titled *Conservation of Granite in Cultural Heritage*. Published by The Getty Conservation Institute, the volume provides profound insights into the field and is currently available through Yale University Press.



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Dr. Rodrigues has been a pillar of the international rock mechanics and engineering geology community for decades. He previously served as the President of SPG and dedicated 12 years of outstanding service as the Secretary General of the ISRM, helping to shape the global trajectory of our profession.

Building on his vast experience, Dr. Rodrigues' expertise perfectly aligns with the objectives of Commission 42. He has expressed his strong commitment to advancing the field and is warmly inviting exchanges of viewpoints with the Chair of Commission 42, as well as any fellow members interested in the complex

multidisciplinary matters regarding the conservation of ancient monuments and archaeological sites.

The SPG congratulates Dr. Rodrigues on his latest publication and encourages international colleagues to engage with him to further enrich the critical work of heritage preservation.





# 14.

## NEWS OF COMMISSIONS

### Commission 25

#### Upcoming Workshop on Engineering Geology Models at Slope Stability Lima'26

In the last days of October 2026, leading up to the IAEG World Congress Delft'26, the Slope Stability Lima'26 conference will take place.

The event is promoted by the Large Open Pit Project (LOP), an international research and technology transfer project focused on the stability of large

slopes associated with open-pit mines (<https://www.lopproject.com/>).



As part of the conference, Workshop H-Guidelines for the Development and Application

of Engineering Geology Models in Mining Projects will be presented on October 24th

by colleagues Felicia Weir and Mark Eggers.

#### Workshop H [Engineering Geology Model]

Guidelines for the Development and Application of Engineering Geology Models in Mining Projects



**Chair:** Erik Wunder (ABGE, Brazil) [in](#)

**Instructors:** Mark Eggers [in](#) and Felicia Weir [in](#)

**Date:** Saturday, October 24th, 2026(\*)

**Time:** 08:00 -12:00 y 14:00-18:00 hours

**Language:** English (Spanish interpretation)

**Location:** Centro de Convenciones de Lima, sede de Slope Stability 2026

[View details](#) [↗](#)

[Register Now](#) [↗](#)





rock masses based on the principle of strain energy additivity, which offers clear physical insight. In the chapter “Statistical Rock Mechanics Computational Platform and Numerical Analysis,” concepts such as engineering rock mass digitalization, parameter states, and parameter fields are introduced.

Furthermore, the SMRM-based active reinforcement method, anisotropic correction techniques for common classification systems, and the “pre-anchoring and rapid anchoring method” are proposed. These achievements collectively elevate the theoretical level of rock mass mechanics and enhance its

capacity to solve practical engineering problems, as further demonstrated in recent advances in SMRM and its engineering applications.

These contributions collectively elevate the theoretical level of rock mass mechanics and enhance its capacity to solve practical engineering problems.

## 2. Digital Modeling of Rock Mass Parameterization (PRM) Based on SMRM

The manuscript entitled “Digital Modeling of Rock Mass Parameterization Based on the Statistical Mechanics of Rock Mass Theory” has been completed. This work establishes a digital framework for characterizing the heterogeneity and anisotropy of engineering rock masses.

**Theoretical framework and implementation pathway (Figure 2).** Based on the geometrical and

mechanical parameters of rock masses obtained from field investigation, and relying on SMRM theory, jointed rock masses are treated as equivalent continuous media according to the principle of strain energy additivity. A stress-strain relationship model is then established. On this basis, calculation methods for multiple parameters, including elastic modulus, strength, strain energy density, stability coefficient, and reinforcement

requirement, are derived theoretically and developed into the ModelSMRM computational module. Subsequently, the module is embedded into numerical platforms such as FLAC3D, Abaqus, and FssiCAS. By integrating rock mechanical parameters, structural parameters, and boundary conditions, digital modeling of rock mass parameter fields is achieved through numerical computation.

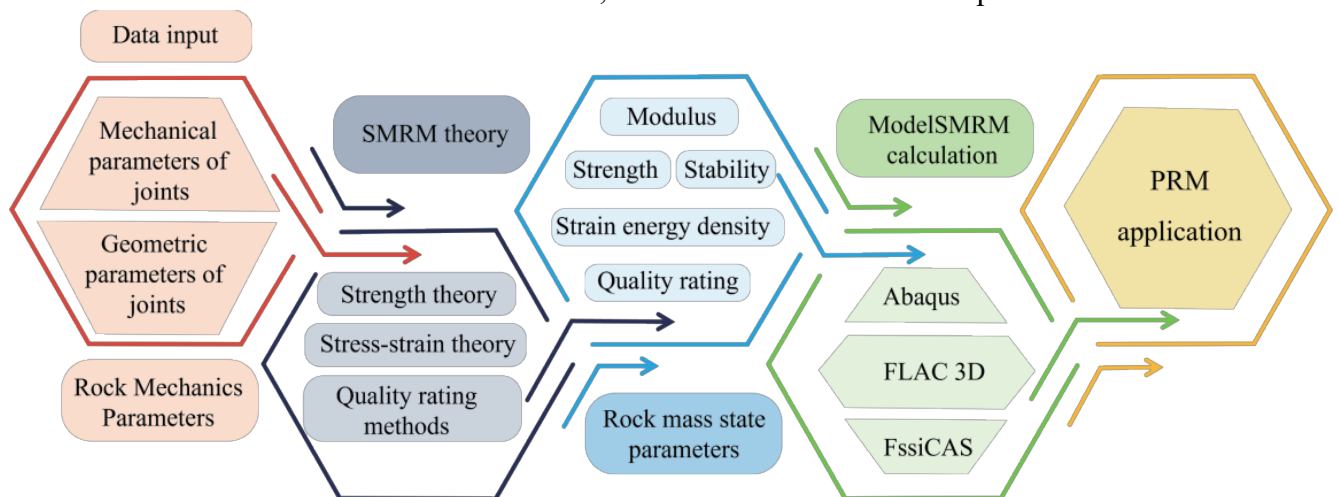


Figure 2. Theoretical framework of PRM based on SMRM

**Engineering validation.** The slopes of the QBT Hydropower Station dam site in Xinjiang, China, were selected for validation. Field investigations identified four joint sets

with detailed geometrical and mechanical parameters. The calculated anisotropic elastic modulus and uniaxial compressive strength showed good agreement with in-situ

deformation tests and direct shear tests, with theoretical average values falling within the upper and lower bounds of measured values. Based on this validation, three-

dimensional PRM modeling was performed using Abaqus with the ModelSMRM module. The digital parameter fields obtained (Figure 3) included maximum principal stress, strain energy density, elastic

modulus, SMRM quality rating, failure probability, and stability coefficient. The results reveal that the slope toe and valley bottom are key regions with stress concentration, elevated strain energy,

and relatively high failure probability, consistent with field observations. This digital approach integrates multiple state parameters and overcomes the limitations of traditional single-index analysis.

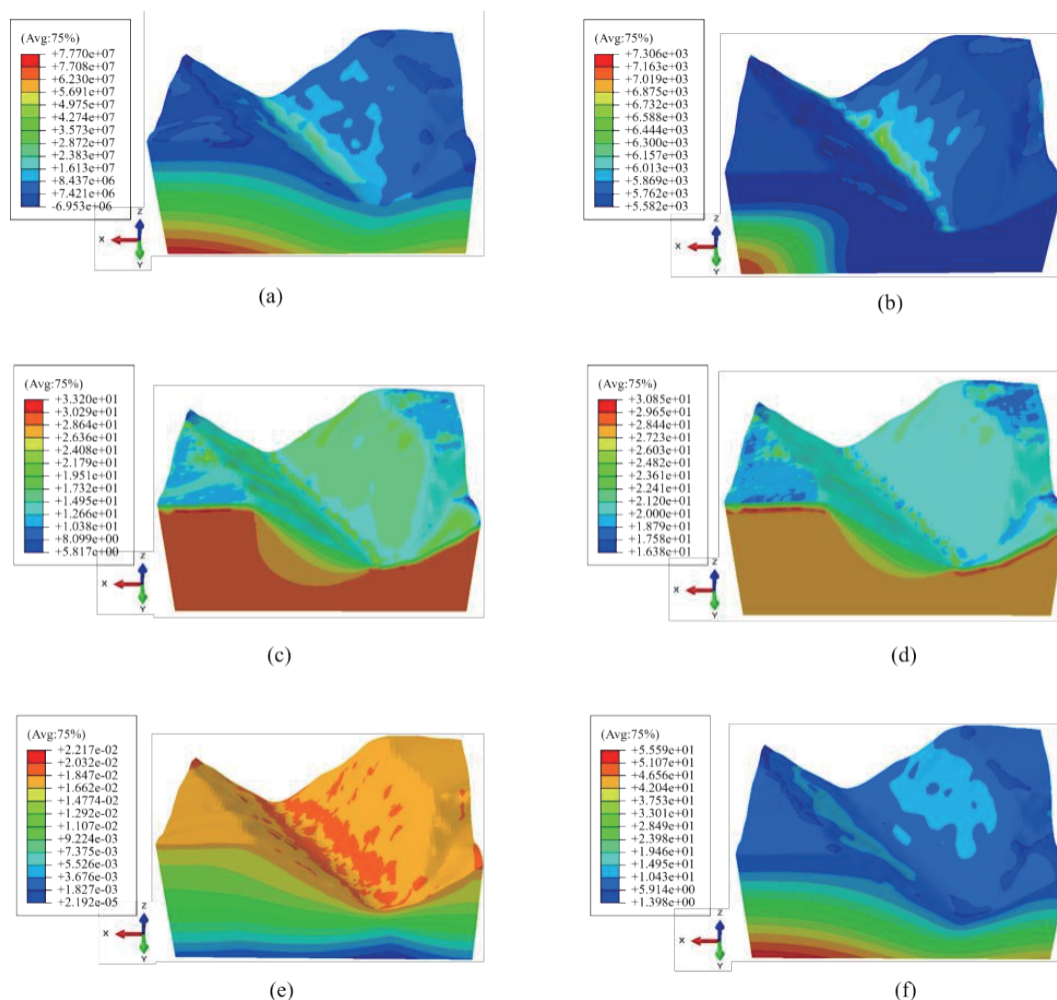


Figure 3. Digital PRM calculation results for the QBT Hydropower Station slopes.

The above two advances further refine the theoretical system of engineering geomechanics for rock masses. They are expected

to improve the theoretical and technical level of geotechnical investigation and analysis, and to promote the renewal

of the research paradigm for engineering rock masses.

## Commission 41

**The 2026 Annual Academic Conference on Landslide and Debris Flow Prevention and Control supported by Commission 41 was held in Shanghai, China**

The 2026 Annual Academic Conference of the Landslide and Debris Flow Prevention and Control Professional Committee of the Chinese Society of Soil

and Water Conservation was successfully held in Shanghai, China, from April 24 to 26, 2026. IAEG Commission 41 – Cascading Geohazards

participated as a supporting organizer of the conference and actively contributed to academic organization, invited lectures, parallel-session



exchanges, and communication among researchers. The event provided an important platform

for Commission 41 to promote research communication and collaboration in the field of

cascading geohazards.



Main venue of the conference

The conference focused on the theme of “Theory and Technology for Intelligent, Ecological, and Resilient Prevention and Control of Geohazards.” Against the background of intensified climate change, frequent extreme events, and expanding engineering activities, the conference addressed emerging scientific challenges and technical needs in geohazard prevention and risk reduction. These topics were closely aligned with the mission of Commission 41, particularly in relation to the mechanisms, monitoring, early warning, rapid risk assessment, and integrated prevention and control of cascading geohazards.

At the opening ceremony, Prof. Zhenming Shi, Vice President of Tongji University and Chair of Commission 41, delivered a welcome address as Chair of the Organizing Committee. Prof.

Shi emphasized that disaster prevention and mitigation are essential for safeguarding public safety and supporting national strategic needs. He noted that the conference served as an important opportunity to bring together experts in geohazard prevention and control, strengthen academic cooperation, and jointly address

key scientific and technological challenges in disaster risk reduction.

Members of Commission 41 made important academic contributions to the invited lecture sessions. Prof. Zhenming Shi delivered an invited lecture entitled “Evolution Mechanism and Rapid Quantitative Risk



Opening remarks by Prof. Zhenming Shi, Chair of Commission 41

Assessment of Landslide-dammed Lake Disaster Chains.” Prof. Yu Huang, a member of Commission 41, delivered an invited lecture entitled

“Research Progress, Key Issues, and Development Trends of Slope Resilience.” These invited lectures highlighted the academic strengths of

Commission 41 in cascading processes, resilient disaster mitigation, and risk governance.



Invited lectures delivered by Prof. Zhenming Shi and Prof. Yu Huang

The conference featured a broad and high-level academic program. A total of 12 parallel sessions were organized, with 218 experts and scholars and 79 postgraduate students from universities, research institutes, enterprises, and public institutions presenting 294 academic reports. Participants held in-depth discussions on the mechanisms of large-scale geohazards, disaster prevention

under extreme conditions, environmental geohazard perception and control, intelligent monitoring, and dynamic early warning.

Commission 41 members also actively participated in the academic organization of the conference. Prof. Ming Peng, Secretary of Commission 41, and Commission member Bo Li took part in the academic

organization and parallel-session exchanges, contributing to discussions on geohazard mechanisms, monitoring, early warning, and risk prevention. Their involvement strengthened the professional contribution of Commission 41 to the conference and enhanced communication between the Commission, national experts, young scholars, and research teams in related fields.



Commission 41 members participating in academic organization and exchanges

The closing ceremony was chaired by Prof. Ming Peng, Secretary of Commission

41. During the ceremony, the academic achievements of the conference were summarized,

with particular emphasis on advances in intelligent monitoring, ecological



prevention, resilient disaster mitigation, and engineering

practice. Future cooperation among participating institutions

and experts was also discussed.



Closing ceremony chaired by Prof. Ming Peng, Secretary of Commission 41

The successful support of the conference strengthened the role of Commission 41 as an academic platform for cascading geohazards research. By supporting this high-level event, Commission 41

enhanced communication with young researchers. In the future, Commission 41 will continue to focus on the mechanisms, monitoring, simulation, rapid risk assessment, and integrated prevention and control

of cascading geohazards, contributing to international collaboration and the advancement of disaster risk reduction.

## Commission 42

### Call for Papers: Special Issue on Engineering Geology for the Sustainable Conservation of Rupestrian Heritage Sites

Following the successful IAEG Symposium on the Sustainable Conservation of Rupestrian Heritage Sites, IAEG Commission 42 announces a call for papers for a Special Issue of *Engineering Geology*. The symposium was organized by IAEG Commission 42 (Engineering Geology for the sustainable conservation of ancient monuments

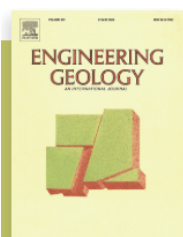
and archaeologic sites), in collaboration with:

ISRM – Commission on Mechanics of Ancient Rock Structures (MARS)

ISSMGE – Technical Committee 301 on Preservation of Historic Sites

This special issue builds on the active engagement from the

symposium by collecting the most relevant proceedings, as well as other articles. Scientists, engineering geologists, and practitioners across the global IAEG network are invited to contribute to this special issue for the conservation of cultural heritage.



## Call for papers

27 March 2026

### Engineering geology for a sustainable conservation of rupestrian heritage sites

Submission deadline: **30 October 2026**

Rupestrian sites represent a unique mix of human ingenuity and geological constraints. Defined by negative construction, these structures rely entirely on the inherent stability of the excavated rock mass. This Special Issue explores the critical intersection of engineering geology, rock mechanics, and cultural heritage conservation. We examine how ancient excavation techniques adapted to local lithology and address the complex challenges of preserving fragile rock art against weathering. By bridging historical context with modern engineering geological and geomechanical analysis, applying a multidisciplinary approach, this collection aims to advance sustainable strategies for monitoring and safeguarding these irreplaceable rock-cut monuments against long-term environmental and anthropogenic stresses.

#### Guest editors:

**Prof. Claudio Margottini**

UNESCO Chair, Prevention and Sustainable Management of Geo-Hydrological Hazards, University of Florence, Florence, Italy

**Prof. Jose Ignacio Gallego Revilla**

Royal Commission for AlUla, Kingdom of Saudi Arabia

Guest Editors for the Special Issue are Claudio Margottini (President of IAEG Commission 42 and current President of the IAEG Italy National Group), Ignacho Gallego Revilla (Royal Commission for AlUla), Adnan Abbas Ada (ICOMOS Saudi Arabia) and Giovanni Crosta (Former President of the IAEG Italy National Group).

For more details regarding the scope and to submit your manuscript, please visit <https://www.sciencedirect.com/special-issue/331913/engineering-geology-for-a-sustainable-conservation-of-rupestrian-heritage-sites>



# 15.

## MEETING INFORMATION

### 2026 International Summer School on August 10-25, 2026

#### News/Kyoto Commitment

Landslides  
DOI 10.1007/s10346-025-02642-4

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part of Springer Nature 2025

Alexander Strom  · Kanatbek Abdrakhmatov

#### 2026 International summer school on rockslides and related phenomena in the Kokomeren River basin (Kyrgyzstan) (ICL Kokomeren summer school) and workshop on natural hazards

The JSC "Hydroproject Institute", Moscow, Russia, and the Institute of Seismology of the National Academy of Sciences of the Kyrgyz Republic, Bishkek, Kyrgyzstan, are announcing the 2026 field training course "International Summer School on Rockslides and Related Phenomena in the Kokomeren River Basin" (Kokomeren Summer School). The Summer School is supported by the International Consortium on Landslides (ICL), International Program on Landslides (IPL Project C106-2), and the Almaty UNESCO Cluster office. It will be combined with a workshop where participants can present the results of their studies of rock avalanches and other hazardous natural phenomena.

Rockslides and rock avalanches are among the most hazardous natural phenomena in mountainous regions. About 20 such features, ranging in volume from several million to more than 1 billion cubic meters, are concentrated in the Kokomeren River basin (Central Tien Shan) within a limited area of about 100 × 50 km, at a one-day trip distance from Bishkek – the capital city of Kyrgyzstan. Most sites are located near the roads along the Kokomeren River and its tributaries and require several hours of driving from the base camp and 1–8 km of hiking with up to 300–500 m raise to reach them. Such daily field trips require the participants to be physically fit.

The ICL Kokomeren Summer School aims to demonstrate rockslides of various types, most of which have converted into flow-like rock avalanches. Some are characterized by up to 5–6 km long runout; others formed natural dams, either intact or deeply eroded. Various methods of their identification, mapping, and dating, as well as the detailed examination and analysis of the internal structures and grain-size composition of rockslide and rock avalanche deposits will be demonstrated.

Due to the arid climate and sparse vegetation, rockslide morphologies are well preserved and recognizable. Some rockslide deposits up to 400 m thick have been wholly dissected by erosion so that their internal structure can be studied in detail. Several massive landslides in weakly lithified deposits in the neotectonic depressions and evidence of valley inundation caused by rockslide damming and associated outburst floods will also be demonstrated. Besides numerous rockslides and landslides, the study area provides impressive manifestations of the Neotectonics and Quaternary tectonics, such as active faults, one of which was ruptured during the 1992 M7.3 Suusamyrdarya earthquake, and numerous examples of tilted and folded pre-Neogene planation surfaces. One of the training course topics is the paleoseismological interpretation of large rockslides and rock avalanches. The detailed full-color Summer School guidebook can be downloaded from the ICL homepage:

[www.landslides.org](http://www.landslides.org) (Publications/Leaflet and Proceedings/Guide-Books/Landslide Field School Guidebook). The Kokomeren River basin is a beautiful area with kind and hospitable people.

The training course will be held from **August 10 to August 25, 2026**. The base camp will be placed in the guesthouse in the Kyzyl-Oi village, where we will stay in rooms for two to five persons. The electricity, running water, hot shower, and Wi-Fi Internet connection will be available. The participation fee is **EURO 900** (or equivalent amount in Kyrgyz soms, US dollars, Russian roubles, or Chinese yuan), which includes all costs at the site: camping, food, local transportation, and a detailed full-color guidebook. The fee should be paid in cash upon the participants' arrival. Please note that some foreign cards do not work in Kyrgyzstan, so bring cash with you. Cash receipt vouchers and certificates confirming attendance at the ICL Kokomeren Summer School course will be provided.

Organizers will provide help obtaining visas if necessary. Please check if you need a visa to come to Kyrgyzstan. The list of countries whose citizens do not need visas to visit Kyrgyzstan is available at <http://www.centralasia-travel.com/en/countries/kirgistan/visas>. Those who have to apply for a visa should send a copy of their passport to organizers **before May 1, 2026**.

Participants should **arrive in Bishkek on the morning of August 10 or earlier**. They will be picked up at the arrival desk of the Bishkek airport. Bishkek is connected with Moscow, Almaty, Tashkent, Istanbul, Urumchi, Dubai, and Delhi by direct flights. Organizers will arrange accommodation (not exceeding €50 per night) for participants arriving before August 10 or departing after August 25. The cost of the hotel/hostel in Bishkek for one night from August 24 to August 25 (up to €50 per night) booked by organizers is included in the registration fee.

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Published online: 18 October 2025

Landslides |

Please refer to [https://www.dropbox.com/scl/fi/4s642z92o0wcnjpzdfxdw/2026\\_Summer-School-Announcement.pdf?rlkey=63kviqkpf6xf09hhbnjqxxc1x&st=dauvly6q&dl=0](https://www.dropbox.com/scl/fi/4s642z92o0wcnjpzdfxdw/2026_Summer-School-Announcement.pdf?rlkey=63kviqkpf6xf09hhbnjqxxc1x&st=dauvly6q&dl=0) for the information.

Abuja, Nigeria, September 13-18, 2026

11<sup>th</sup> NAEGE Annual International Conference and Exhibition



**NAEGE**  
ANNUAL INTERNATIONAL  
CONFERENCE AND EXHIBITION  
13th - 18th September 2026  
ABUJA 2026



Exclusive Serene  
Hotel, Wuye, Plot  
31, Reuben Okoya  
Crescent, Wuye



Abstract Submission  
Deadline:

**30<sup>th</sup> June  
2026**

*Theme*

## **Geo-Innovation for Sustainable Infrastructure and Environment in a Rapidly Urbanising Nation**

### **Subthemes**

1. Engineering Geological Solutions for Urban Expansion and Smart Cities
2. Geothermal Resources as Alternative Clean Energy Sources
3. Geotechnical Approaches to Problematic Soils in Nigeria
4. Proper Waste Management for Sustainable Development
5. Safer Mine Designs, Construction and Land Reclamation Practices
6. Digital Geoscience Tools for Infrastructure Planning and Monitoring
7. Emerging Technologies in Sustainable Construction Materials and Ground Characterisation
8. Mines and Groundwater Safety

### **Early Bird Registration**

1. Fellows 40,000
2. Corporate 30,000
3. Non-members 40,000
4. Graduate 20,000
5. Students 15,000
6. International Participants US\$150.00

### **Late/Onsite Registration**

1. Fellows 50,000
2. Corporate 50,000
3. Non-members 50,000
4. Graduate 25,000
5. Students 15,000
6. International Participants US\$150.00

Abstracts to be submitted to:

**abstractsabuja@gmail.com**

Abstract format: Not more 300 words,  
single line spacing, 12 pt, Times New  
Roman, justified.

Payment Details

**1221117849**

Zenith Bank Plc | **NAEGE**

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# Westin Chattanooga, Tennessee, September 13-19, 2026

## 69th Annual Meeting



The AEG 2026 Annual Meeting will be held in Chattanooga, TN, dedicated to moving environmental and engineering geology forward. This event offers a great opportunity to connect with over 400 geologists and

engineers, build relationships, and discover new technology. Attendees can visit incredible project sites and geological features while obtaining Professional Development Hours (PDHs) needed for licensure. Participants can also

share their expertise through technical presentations or market their companies to potential clients and teaming partners. Additionally, a Virtual Presentation Day is scheduled for September 12, 2026.

### Call for Abstracts

AEG is calling for abstracts, the deadline to submit your abstracts is May 1, 2026.

Please refer to <https://www.aegannualmeeting.org/technical-program> for the

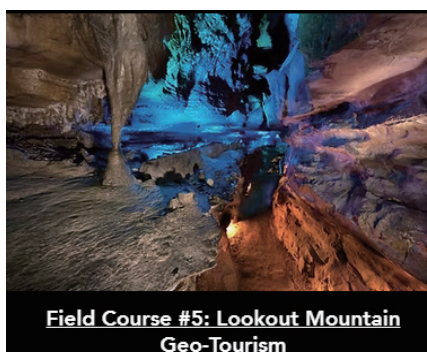
detailed information.

### Field Courses

Seven educational field courses are arranged during

the meeting, to learn about the area's environmental and

engineering geology from a local expert.



## Kathmandu, Nepal, November 19-21, 2026

### 12<sup>th</sup> Nepal Geological Congress NGC-XII

The Himalaya represents one of the most dynamic geological regions on Earth, influencing hazards, water resources, climate systems, and sustainable development far beyond national boundaries. As geoscientists, our collective responsibility is to advance

scientific understanding while ensuring that geological knowledge informs safer infrastructure, resilient communities, and sustainable resource use.

NGC-XII, 2026 is envisioned as a high-impact international

platform that brings together global expertise and Himalayan experience. I warmly invite researchers, professionals, students, and institutions worldwide to join us in Kathmandu and contribute to shaping the future of Himalayan and global geoscience.



**12<sup>th</sup> NEPAL GEOLOGICAL CONGRESS NGC-XII, 2026**

Nov 19-21, Kathmandu

The International Congress on Himalayan Geology and Mountain Geoscience

**FIRST CIRCULAR**

Organizer

**Nepal Geological Society**

Lainchaur, Kathmandu, Nepal  
+977-9851431322,  
info@ngs.org.np, www.ngs.org.np

### Meeting Information

Website: [www.ngs.org.np](http://www.ngs.org.np); Cell: +977-9851431322; Email: [info@ngs.org.np](mailto:info@ngs.org.np)

Contact: Dr. Ananta Man Singh Pradhan (Tel: +977-9841258698; Email: [convenor12ngc@ngs.org.np](mailto:convenor12ngc@ngs.org.np))

### Theme

Advancing Himalayan Geoscience for a Resilient, Sustainable and Resource-Secure World

Please refer to <https://www.dropbox.com/scl/fi/zsr3mlr5se8n4h83i9xt6/First-Circular-of-12th-Nepal-Geological-Congress-NGC-XII.pdf?rlkey=p9mwn6ja3mvx8o7qa9bv10jde&st=yk8ypwcs&dl=0> for the 1<sup>st</sup> circular.



Amrita Vishwa Vidyapeetham, India, November 23-27, 2026

7<sup>th</sup> World Landslide Forum

# 7<sup>th</sup> WORLD LANDSLIDE FORUM

Amrita Vishwa Vidyapeetham  
(University), Faridabad Campus, India

23 to 27 November 2026



The WLF7 serves as a premier global platform for experts, researchers, policymakers, and practitioners from around the world to come together, share knowledge, exchange experiences, and collaborate on innovative strategies for landslide risk reduction and management.

[www.wlf7.org](http://www.wlf7.org)



Please refer to <https://www.dropbox.com/scl/fi/t0vq4ay2sxgs2v27h0l7w/WLF-Brochure-2026.pdf?rlkey=lu4t7pw36z03h7ca3jwlarj&st=gu9k9lir&dl=0> for the detailed information.



**Budapest, Hungary, December 2-4, 2026**

**6<sup>th</sup> International Conference on Information Technology in Geo-engineering (6<sup>th</sup> ICITG) Budapest**

## 6th International Conference on Information Technology in Geo-engineering (6th ICITG) Budapest (Hungary)



**BME**

BUDAPEST UNIVERSITY  
OF TECHNOLOGY AND ECONOMICS



同濟大學  
TONGJI UNIVERSITY

### Key Dates

**30 June** – Extended deadline for abstracts/minipapers submission

**20 July** – Notification of accepted abstracts/minipapers

**30 September** – Early registration payment

**15 November** – Registration close

**2-4 December 2026** – Conference

### Registration, homepage

<https://icitg6.com/>

### Venue

Budapest University of Technology and Economics, Central building  
1111, Budapest, Műegyetem rkp. 3



### Main topics

Sensors and Sensing Technologies

Geotechnical instrumentation

Data Collection and Transmission

3D Geological Modeling

Information and Communications Technologies

Digitalization

Data-Driven Investigation and Modeling

Big Data and Databases

Imaging Technology

Building Information Modeling (BIM)

Artificial Intelligence and Machine Learning

Virtual and Augmented Reality

Intelligent Geomaterials

Case Studies

Topics Related to Advances in IT in

Geo-Engineering

Educational Case Studies

Sustainability-Driven Geo-Engineering:

Transitions, Impacts, and Resilience

### Local Organizing Committee

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Bhopal, India, December 12-13, 2026  
International Workshop on Dams and Levees

FIRST CIRCULAR

# Indian Society of Engineering Geology (ISEG)

([www.isegindia.org](http://www.isegindia.org))

[Indian National Group of the International Association of Engineering Geology and the Environment (IAEG)]

(Established in 1965)



and  
**IAEG Commission-43**

Jointly organise



## International Workshop

on

## Dams and Levees

### Celebrating 60 years of Journal of Engineering Geology (JoEG)

Date : 12<sup>th</sup> & 13<sup>th</sup> December, 2026

Venue : Kushabhau Thakre International Convention Center,  
Bhopal, Madhya Pradesh



The Indian Society of Engineering Geology (ISEG), the Indian National Group of the International Association for Engineering Geology and the Environment (IAEG), was established on 15th October 1965. The ISEG, through its global linkages, actively contributes to international cooperation and professional development in the field of Engineering Geology.

#### International Workshop on Dams and Levees

To mark the 60th year of publication of Journal of Engineering Geology, ISEG in association with the IAEG Commission 43, is jointly organising 'International Workshop on Dams and Levees' on 12th Dec. 2026. The Dam and Levees Commission-43 (DLC) of the IAEG was set up in October 2025, under the presidentship Dr. Visty Dalal, from United States of America and several

representatives across the globe. Dr. V.K. Sharma, Former Deputy Director General, GSI is the Indian representative of the Commission.

The Commission aims to advance best practices in dam and levee engineering while fostering global collaboration among engineering geologists. Its mission is to strengthen professional knowledge and public safety by building cross institutional and cross disciplinary network that connect geologists, geotechnical engineers, academics, and practitioners across government, private, and professional societies.

The International Workshop on Dams and Levees, shall be held in hybrid mode, and will address the feasibility, construction, and post construction challenges of dam projects across diverse geological terrains.



Mendoza-Argentina, September 13-16, 2028

ANDEAN CONGRESS-2028 Geological Engineering in Motion



# ANDEAN CONGRESS

**2028**

GEOLOGICAL  
ENGINEERING  
IN MOTION

**September 13-16, 2028**

**Mendoza - Argentina**



**ASAGAI**

ASOCIACIÓN ARGENTINA  
DE GEOLOGÍA APLICADA  
A LA INGENIERÍA

IV Argentine Congress of  
Geology applied to Engineering  
and the Environment



III Symposium of the  
Chilean Association of  
Geological Engineering



[congresoandino2028@gmail.com](mailto:congresoandino2028@gmail.com)



# 16.

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