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NCKRI News and Announcements for 2022-01-05:

The International Year of Caves and Karst: Welcome to the 2nd Year!

Books, Journals, and Newsletters:

- **International Union of Speleology Bulletin Now Available**
- **EuroSpeleo Newsletter, December 2021**
- **Call for Papers: Extended Deadline for Special Issue "Geochemical Processes of Karst and Karst Paleoenvironments"**
- **ISCA Newsletter: January & February 2022**

Student and Training Opportunities:

- **Summer School of Speleothem Science: Online Registration Open**

Job Opportunities

- **Entry Level Field Geologist**
- **Field Technician**

Various News:

- **Call for submissions: Karst Waters Institute Karst Photo Contest**
- **2022 EuroSpeleo Protection Label: Call for Applications**

Conferences and Meetings

- **Call for Abstracts: International Conference on Groundwater, Key to the Sustainable Development Goals**
- **Man and Karst 2022: Sicily, Italy**
- **Call for Abstracts: Astrobiology Science Conference Cave Sessions, USA**
- **Climate Change, The Karst Record IX (KR9): New Conference Date**
- **British Cave Research Association Science Symposium: Rescheduled and Virtual**
- **List of Upcoming Cave and Karst Meetings**

Please contact the people and organizations listed below for more information, and feel free to share this message with anyone who may be interested.

The International Year of Caves and Karst: Welcome to the 2nd Year!

We have begun the second year of the International Year of Caves and Karst and hope to exceed the success of the first year. Below is an announcement of the UIS Bulletin, which has more information and announcements to start the second year of the International Year. In the meantime, please continue your great work by:

- Recruiting new partners, especially from outside the cave community.
- Continue to organize more and new events.
- Make any in-person hybrid if possible to reach more people.
- Announce your events at <http://iyck2021.org/index.php/events/>.
- Post your event results (no matter how small or local) at <http://iyck2021.org/index.php/event-results/>.
- Don't forget we have a new International Cave Animal for 2022: the bat! Please help promote bat research and protection.

Contact managers of caves and karst and those who make land protection laws. Tell them about our success at UNESCO and elsewhere to prove the value of caves and karst. Ask them for continued and more support.

If you have questions or need support, please contact me.

For more information about the International Year, visit the website (www.iyck2021.org). Also like us at the UIS Facebook page (<https://www.facebook.com/uisspeleo>), UIS Twitter account (<https://twitter.com/uisspeleo>), and/or the UIS Instagram page (<https://www.instagram.com/uisspeleo/>).

George Veni
President, International Union of Speleology
Executive Director, National Cave and Karst Research Institute

International Union of Speleology Bulletin Now Available

Dear Members of the Speleological Community,

We are glad to share with you the Volume 63-2 of the International Union of Speleology (UIS) Bulletin.

Please, share it with the whole speleological community in your country and to your entire contact list.

The PDF Interactive format can be downloaded by clicking on the link:
<http://uis-speleo.org/wp-content/uploads/2022/01/uisb632.pdf>

The 51 pages of this issue bring the following topics:

- Editorial: *The International Year of Caves and Karst: Become a Part of Speleological History*
- The President's Column: *A New Beginning for Speleology and the Second Year of the International Year*
- 18th International Congress of Speleology 2022
- The Road to the UIS International Year of Caves and Karst and UNESCO Event
- UIS International Year of Caves and Karst 2021: Special Ceremony at UNESCO Headquarters in Paris
- International Cave Animal of the Year 2022: BATS
- Ice Cavers: The Movie
- News of the 19th International Congress of Speleology 2025
- Minutes of the UIS Bureau Annual Meeting 2021 in Paris
- In memoriam: Peter Ernest Spargo (South Africa)
- Calendar of Events
- UIS Bureau 2017/2021
- List of UIS Commissions
- List of Member Countries
- *Annual Contributions and Bank Account*

We really appreciate your comments and suggestions in order to improve upcoming issues.

The complete collection (76 issues) are available by clicking on the link:
<http://uis-speleo.org/index.php/uis-bulletin-bi-annual-newsletter-2/>

Visit the Websites:

Union Internationale de Spéléologie - www.uis-speleo.org

International Year of Caves and Karst 2021 - <http://iyck2021.org/>

18th International Congress of Speleology - <https://uis2021.speleos.fr/>

Best regards

Nivaldo COLZATO (Brazil)

Adjunct Secretary / UIS Bulletin Editor
UIS-Union Internationale de Spéléologie
nivaldo@karinaetiquetas.com.br

EuroSpeleo Newsletter, December 2021

It is with great pleasure that the European Speleological Federation (FSE) publishes the next EuroSpeleo Newsletter in year 2021. This Newsletter is exclusively available in electronic form. It is edited by the FSE Bureau to inform member countries and individual speleologists about important events nationally and internationally as well as new developments and the initiatives of the FSE and its member countries. The Newsletter is released on an occasional basis.

You can download the English version of the December 2021 Newsletter here:
<https://www.eurospeleo.eu/images/stories/docs/europeleo-news/Newsletter%20December%202021%20English.pdf>

Vous pouvez télécharger la version Française du Bulletin d'Information de decembre 2021 ici:
<https://www.eurospeleo.eu/images/stories/docs/europeleo-news/Newsletter%20Decembre%202021%20Francais.pdf>

With cordial regards,
The FSE Bureau, December 2021

With best regards
Alena Gessert
FSE General secretary

Call for Papers: Extended Deadline for Special Issue "Geochemical Processes of Karst and Karst Paleoenvironments"

Dear Colleagues,

Karst landscapes and karst aquifers, which are composed of a variety of soluble rocks, comprise 20–25% of the ice-free land surface, and nearly 20% of society worldwide relies on karst aquifers for economic, urban, and environmental fresh

water. The dissolution of a carbonate rock and the influence on water chemistry are a combination of various geochemical processes of major significance to the origin and evolution of the karst environment. Today, the main driver influencing environmental changes in the karst environment is anthropogenic chemical contamination and climate change. In order to evaluate the impact of these changes on karst systems it is necessary to determine geochemical background levels for delineating between natural and anthropogenic impacts. The geochemistry of natural geological archives, such as soils, sediments, and speleothems, can be used as proxies to estimate the magnitude of human and climate change impacts on water resources today. In this Special Issue of the journal *Water*, we would like to focus on the study of geochemical processes recorded at various temporal and spatial scales, including water monitoring and changes recorded in geological time frames.

We welcome contributions that focus on the inorganic and organic components, as well as isotopes, in all components of existing karst systems and their paleoenvironmental counterparts. Research related to the geochemistry of karst systems in the broadest sense is most welcome. This special issue will be dedicated to the International Year of Caves and Karst.

For more information please visit

https://www.mdpi.com/journal/water/special_issues/Geochemical_Processes_of_Karst_Paleoenvironments. While the posted deadline for manuscripts is 31 December 2021, the editors will continue to accept papers until 28 February 2022.

Dr. Slobodan Miko
Dr. Nikolina Ilijanić
Guest Editors

ISCA Newsletter: January & February 2022

Dear ISCA friends,

I really wish you are having a wonderful Christmas and you can share the next days with your families.

The first 2022 newsletter is now available. Please, follow the link below in order to download:

- [ISCA Newsletter January & February 2022](#)

Looking forward to meeting y'all at the ISCA Congress in Texas!

Yours,

Juanjo Tíscar Moya

ISCA Editor

www.i-s-c-a.org

[Follow us on Facebook](#)

Summer School of Speleothem Science: Online Registration Open

Dear Scientists, Cavers, Colleagues,

We are excited to announce S4 Online, the first Summer School of Speleothem Science (S4) event hosted online.

S4 Online is summer school focused on methods to study speleothems as geological, particularly climate, archives.

S4 Online is open to anyone new to speleothem science or interested in learning more about the field, particularly to students and researchers interested in speleothem science.

The event will include a series of lectures and workshops led by experts in the field. Topics covered include:

- speleothem growth,
- speleothem proxies (stable isotopes and trace elements),
- cave monitoring, age-depth modelling with R,
- and much more.

More information about the program and the registration form can be found on our website: <https://www.speleothemschool.com/general-8-1>.

The event will take place on:

Monday, Jan 24th, 2022: 5 pm - 9.00 pm CET

Monday, Jan 31st, 2022: 11 pm - 3.00 am CET

Monday, Feb 7th, 2022: 5 pm - 9.00 pm CET

S4 Online is free and will be hosted on Zoom. Registration is open now and will close on January 15th.

We are looking forward to meeting you.

Kind regards,
Petronela Ševčíková
Summer School of Speleothem Science organizing committee

Job Opportunity: Entry Level Field Geologist

Southwest Geophysical Consulting is looking for an adventurous spirit who is willing to learn, is motivated, and has the right can-do personality to add to our team of field geologists and field technicians as an entry- to mid-level geologist. Candidates must be in the Albuquerque, New Mexico, USA, area or willing to relocate at their own expense.

Knowledge (and experience):

- Education: Minimum of a BSc in geology, environmental geology, or geotechnical engineering from an accredited institution; preferred MSc.
- Understanding of geology and being technically and analytically minded is required.
- Experience: Field geology class required; 2 – 4 years of field work desired
- Background (not necessarily formal education) or interest in caves and/or karst highly desired but not required. Please keep in mind before you apply that we specialize in cave and karst studies.
- Environmental work and permitting experience a bonus.
- Geotechnical and or geophysical experience a bonus

Skills (expect to be evaluated):

- Gathering and analyzing geologic data online and in the field.
- Route planning, route finding, mapping.
- Project planning and execution.
- Report writing.
- Intermediate knowledge of Word, Excel, Power Point, Adobe Illustrator or similar.
- Knowledge of GIS applications (Google Earth, QGIS, ARCGIS, etc.).
- Knowledge of geology-related software (e.g. Grapher, Oasis Montaj, Geochemists Workbench, etc.).
- Attention to detail, exceptional oral and written communications skills, organizational skills, team oriented, self-starter.
- Understand and converse in metric measurements (specifically meters and kilometers)

Abilities (it's a tough job, but somebody's got to do it):

- Lifting at least 30 to 40 lbs. regularly.
- Walking 10 to 12 miles over rough terrain several days in a row.
- Getting your hands (and everything else) dirty.
- Driving long distances and then starting work on arrival.
- Working long days while in the field (10 to 12 hours on average).
- Spending up to 10 days away from home at a time (typically only 3 to 4 days).
- Dealing with harsh field conditions (cold, heat, dust, wind, rain, evil plants...).
- Self-motivated to complete assigned work on time. This is a distributed job and there is no "office," so to speak.
- Appreciating unusual or normally "creepy" critters (NOTE: This company maintains a healthy respect and appreciation for species most people abhor, i.e. bats, snakes, spiders, rodents, and insects of all kinds. Please keep this in mind before you apply for this position)

Licenses and Certifications:

- Valid driver's license with a clean driving record.
- GIT, PG, and/or CPG desired but not required.
- Must have engineering license if a geotechnical engineer.
- Must have FAA certification if a drone pilot.
- Familiarity with (not necessarily certified in) OSHA regulations, 40 Hour HAZWOPER, ISO 9000, Confined Space Certification, SPRAT. If you had to look it up, you're not familiar with it

Benefits and Pay Range

- Benefits include paid vacation time, holiday pay, and a flexible schedule. We also offer health insurance. These benefits are available after a six-month evaluation period.
- Pay range for this job is \$22.00 to \$24.00 per hour based on experience and skill level.
- We are a small, growing company with many opportunities for individuals to learn and grow with the company

Please submit your cover letter and resume to: info@swgeophys.com.

Job Opportunity: Field Technician

Southwest Geophysical Consulting is looking for an adventurous spirit who is willing to learn, is motivated, and has the right can-do personality to add to our team of field geologists and field technicians as an entry-level field technician. Candidates must be in the Albuquerque, New Mexico, USA, area or willing to relocate at their own expense.

Knowledge (and experience):

- Education: Minimum of a high school diploma or general equivalency diploma (GED). BSc in geology, environmental sciences, or geotechnical engineering from an accredited institution desired, but not required.
- Technically and analytically minded.
- Two years of field experience desired but not required.
- Background (not necessarily formal education) or interest in caves and/or karst highly desired but not required. Please keep in mind before you apply that we specialize in cave and karst studies.
- Environmental work and permitting experience a bonus.
- Geotechnical and/or geophysical experience a bonus

Skills (expect to be evaluated):

- Gathering and analyzing data online and in the field.
- Route planning, route finding, mapping.
- Basic knowledge of Word, Excel, Power Point, Adobe Illustrator or similar.
- Familiarity with GIS applications (Google Earth, QGIS, ARCGIS, or similar).
- Attention to detail, exceptional oral and written communications skills, organizational skills, team oriented, self-starter.
- Understand and converse in metric measurements (specifically meters and kilometers).

Abilities (it's a tough job, but somebody's got to do it):

- Lifting at least 40 to 50 lbs. regularly.
- Walking 10 to 12 miles over rough terrain several days in a row.
- Getting your hands (and everything else) dirty.
- Driving long distances and then starting work on arrival.
- Working long days while in the field (10 to 12 hours on average).
- Spending up to 10 days away from home at a time (typically only 3 to 4 days).
- Dealing with harsh field conditions (cold, heat, dust, wind, rain, evil plants...).

- Self-motivated to complete assigned work on time. This is a distributed job and there is no “office,” so to speak.
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Licenses and Certifications:

- Valid driver's license with a clean driving record.
- Must have FAA certification if a drone pilot.
- Familiarity with (not necessarily certified in) OSHA regulations, 40 Hour HAZWOPER, ISO 9000, Confined Space Certification, SPRAT. If you had to look it up, you're not familiar with it

Benefits and Pay Range

- Benefits include paid vacation time, holiday pay, and a flexible schedule. We also offer health insurance. These benefits are available after a six-month evaluation period.
- Pay range for this job is \$15.00 to \$18.00 per hour based on experience and skill level.
- We are a small, growing company with many opportunities for individuals to learn and grow with the company

Please submit your cover letter and resume to: info@swgeophys.com.

Call for submissions: Karst Waters Institute Karst Photo Contest

Whether you're an amateur or a professional photographer, you can help us illustrate karst features and processes for a wide audience including technical professionals, educators, and citizens wishing to learn more about karst. Dive into your collection of photographs from karst regions around the world and submit your best images to our first-ever Karst Waters Institute (KWI) Karst Photo Contest. Your images (with full attribution) could be featured on our web site at <https://karstwaters.org/educational-resources/> or in social media or other KWI communications intended to help others understand, appreciate, and protect karst resources. Our goal is to use images to illustrate and, therefore, better communicate facts about karst. We seek imagery to illustrate the karst landscapes (geomorphology), geology, hydrology, biology, and cultural history of karst- systems.

Enter your photos until midnight February 15, 2022.

RULES OF COMPETITION

Prizes

1st place prize is \$500.

2nd place prize is \$250.

\$50 prizes will be awarded for one outstanding photograph in each of the five categories: karst landscapes (geomorphology), geology, hydrology, biology, and cultural history.

The winners will be contacted via the email address provided during entry. Public announcement of the winners will be made at the KWI Annual Awards Ceremony in late March 2022.

Selected photos will be displayed as part of a slide show at the KWI Annual Awards Ceremony.

Rules

1. By participating in this Photo Contest you grant the Karst Waters Institute (KWI), a 501(c)(3) non-profit institution, the right to publish your full name and photographs on their web site and in their social media without compensation, notice, review, or approval. Author will be cited whenever a photograph is used.
2. Photo submissions may come from anywhere in the world, but the location of the photograph must be reported.
3. A short description of the subject of the photo must accompany the image. The subject being illustrated must be clearly explained in words. Word limit is 100 words.
4. All photo submissions must be JPEG file format. Resolution should be about 300 DPI. File size must be less than 10 MB.
5. File names should include your name and photo location. (*i.e.*, JaneBrown-FloridaCollapsedSinkhole.jpeg)
6. Each individual is limited to no more than 10 submissions for this year's competition. Submit only one photograph with each email (see below).

7. Individuals must be 18 years of age or older to participate.
8. All photos must be original work, taken by the entrants. No third party may own or control any materials the photo contains, and the photo must not infringe upon the trademark, copyright, moral rights, intellectual rights, or rights of privacy of any entity or person.
9. Individuals officially affiliated with KWI (Board of Directors, Institute Officers, Associates, and Emeriti) and members of their families are not eligible for this competition.

Judging

Photographs will be anonymously judged based on the quality of the image as an illustration of the karst feature or process being documented. A component of the quality of the submission is the clear explanation in words of what the image illustrates. Judges will be five members of the KWI Board of Directors and three non-affiliated colleagues with experience in photo-judging competitions.

Successful photographs will be those showing technical excellence (well focused, sharp, well exposed) and compositional choices that make the photograph memorable and those that clearly illustrate the karst feature or process being described.

Winners will be announced at the KWI Annual Awards meeting in March 2022.

Submission

Photographs must be in JPEG or .jpg format. Resolution should be about 300 DPI. Files size must be less than 10 MB. Higher resolution images may be requested by KWI for use in outreach materials.

Photo submissions may be in horizontal or portrait format.

The photographer's name must not be visible on the photo itself.

Submit image and description by email directly to jherman@virginia.edu.

Submit one photograph per email. An individual may submit multiple photos (up to 10, see Rules above) but may submit only one photograph per email.

The photographer's identity will be stripped from the image for the judging process.

KWI reserves the right to disqualify any entry that is deemed inappropriate or does not conform to stated contest rules.

2022 EuroSpeleo Protection Label: Call for Applications

Dear caving friends,

The European Speleological Federation (FSE) and its European Cave Protection Commission (ECPC) are very pleased to announce the launching of the 2022 Call for the EuroSpeleo Protection Label.

The aim of the EuroSpeleo Protection Label is to support active cave protection in the speleo clubs, committees, national commissions, etc, all over Europe and to share this knowledge throughout Europe.

For this reason many cavers and speleological structures are identifying specific solutions which can then be shared with the whole European speleological community, in order to adapt these cave protection solutions for application in other European countries.

The FSE / ECPC would like to recognize quality projects which can help to find better solutions for cave protection among the speleological community by awarding them the EuroSpeleo Protection Label. This award should also involve financial support to allow continuation of the important work that has been carried out by the awarded clubs, committees and commissions, because we all need to preserve the speleological heritage for the next generations.

The deadline for applications is 1 June 2022. All documents may be found on the FSE website: <http://www.eurospeleo.eu/en/commissions-en/cave-protection/ecpc-activities/eurospeleo-protection-label.html>

Best regards,

Jean-Claude Thies
ECPC President
European Cave Protection Commission
Fédération Spéléologique Européenne asbl.

B.P. 3067
L-1030 Luxembourg
www.eurospeleo.eu <<http://www.eurospeleo.eu>>

The ESPL 2021 is supported by FSE's Official Partners.
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<https://www.facebook.com/KORDAS-46136689732/>

Call for Abstracts: International Conference on Groundwater, Key to the Sustainable Development Goals

The United Nations Educational, Scientific, and Cultural Organization (UNESCO) is organizing the International Conference on Groundwater, Key to the Sustainable Development Goals at the Sorbonne University in Paris, France, on 18-20 May 2022. This is part of a theme of UNESCO for 2022, "Groundwater, Making the Invisible Visible."

This is not a karst conference, yet. The International Union of Speleology (UIS) has been invited to submit karst abstracts in recognition and support of the International Year of Caves and Karst. The UIS is comprised of you, the world's cave explorers and scientists, so UIS is calling on you to attend and submit an abstract to help make people at these high level meetings aware of the importance of karst aquifers.

Information about the conference is available at <http://www.gw-sdg2022.fr/index.php/en/>. The abstract deadline is 1 February 2022. Instructions on submitting your abstract are at <http://www.gw-sdg2022.fr/index.php/en/resumes>.

Man and Karst 2022: Sicily, Italy

As part of the International Year of the Caves and Karst, organized by the International Union of Speleology (UIS) to celebrate caves and karst internationally and teach the world about their importance, the International Scientific Conference "Man and Karst" is organized in Sicily from 12-17

September 2022. The extreme north-western sector of Sicily, where this event will be held, represents an outstanding example for the comprehensive understanding of karst. Here we will explore pure karst landscapes, caves and spectacular and evocative Mountains and their profound relationship with Man.

In this context, the common relationship of the Mediterranean Elimi people, with its own peculiar karst environment, has been represented for centuries with a wisely and naturally sustainable use of its resources. Nowadays, in an increasingly conflicted way, karst waters and caves are threatened by heavy degradation and contamination from waste waters to microplastics, for a senseless and inconsiderate use of the territory.

For all this, Man and Karst 2022 in Sicily, in the same way as the previous past edition, held in Ragusa in 2019, wants to give a contribution to the knowledge, enhancement and safeguard of the karst landscape and caves with its ecosystem and historical-anthropological resources as a whole, as an instrument and optimal function of scientific research, not as often for its own sake or for the sake of a few users, but rather, at the service and for the benefit of the whole community.

For more information: <https://cirs-ragusa.org/blog/man-and-karst-2022/>.

Call for Abstracts: Astrobiology Science Conference Cave Sessions, USA

Please consider joining us at the next Astrobiology Science Conference (AbSciCon) in Atlanta, GA, May 15-20th, 2022. In addition to the two listed below, there are several subsurface sessions to choose from!

Planetary Caves and Voids as Targets for Astrobiology Science

Conveners: Jennifer Blank, Daniel Jones, Charity Lander, and Ceth Parker

This session invites contributions on all topics related to the astrobiology of caves and other subterranean planetary void spaces, including, though not limited to, detection and characterization using remote technologies, the distribution of candidate caves in our Solar System, astrobiology mission concepts, terrestrial analog studies of life in caves, characterization of biosignatures found in caves, water and rock energy sources that support microbial life in caves, and metabolic pathways of microbial communities living in caves.

Acidophiles and their Mineral Habitats

Conveners: Daniel Jones, Heather Graham, Margaret Weng, Laura Rosales Lagarde, Muammar Mansor

Extreme acidophiles occupy ecological niches on Earth at or near the low pH limit for life. Many of these environments – hot springs, volcanic impacted sediments and lakes, natural or mining-related acidic rock drainage, acidic playas and salars, and sulfuric acid caves, among others – are analogs for acidic sulfate- and iron-rich sediments that have been detected on the surface of Mars. Through their metabolisms, organisms in these environments can directly or indirectly catalyze mineral precipitation that preserves organic, mineralogical, or morphological signatures of their presence and activity over geologic timescales. We seek submissions on topics broadly related to acidophiles and their mineral habitats. Examples include organic molecule preservation in acidic regimes, microbe-mineral interactions at low pH, cellular survival under acidic polyextremophilic conditions, extremely acidophilic eukaryotes, and microbial ecology near the low pH limit for life. We encourage abstracts that describe novel techniques, new field sites, and cross-disciplinary approaches.

Information about the presentations is

<https://www.agu.org/AbSciCon/Pages/Present/Abstracts> (direct link for abstract submission is <https://agu.confex.com/agu/abscicon21/prelim.cgi/Home/0>), and for more information about the conference, please visit <https://www.agu.org/AbSciCon>

And feel free to contact Dr. Dan Jones at daniel.s.jones@nmt.edu with questions about those two sessions (and also happy to answer general questions about the conference).

Climate Change, The Karst Record IX (KR9): New Conference Date

Climate Change: The Karst Record IX (KR9) brings together scientists and students to share the latest progress in the rapidly developing field of cave- and karst-based (palaeo)climate research. Postponed by COVID, the next meeting in the series will be held from July 17th-20th, 2022 at the University of Innsbruck, Austria. For more information visit: <https://www.uibk.ac.at/congress/kr9/>.

British Cave Research Association Science Symposium: Rescheduled and Virtual

The 2021 Cave & Karst Science Symposium of the British Cave Research Association was postponed due to bad weather. It will now take place as an online event, via Zoom, on Saturday 15 January 2022, at 13:00 GMT. See <https://bcra.org.uk/sym> for further information.

List of Upcoming Cave and Karst Meetings

If you are interested in any of the following events, contact the organizers directly to learn if they are still planned as announced below.

- 1) Visual KARSYS Online Course, 12-13 January 2022, <https://www.visualkarsys.com/>
- 2) Karst Record IX (KR9) Conference, postponed to 2022 (Innsbruck, Austria), <https://www.uibk.ac.at/congress/kr9/>
- 3) 14th International Symposium on Pseudokarst, postponed to Spring 2022, <https://14pseudokarst.wonders4you.com/>
- 4) European Geophysical Union Karst Sessions, 3-8 April 2022 (Vienna, Austria), <https://meetingorganizer.copernicus.org/EGU22/sessionprogramme#HS8.2>
- 5) Fort Stanton Cave Science Conference, 7-9 April 2022 (Socorro, New Mexico, USA), <https://geoinfo.nmt.edu/FtStanton/home.cfm>
- 6) Astrobiology Science Conference, 15-20 May 2022 (Atlanta, Georgia, USA), <https://www.agu.org/AbSciCon>
- 7) International Conference on Groundwater, Key to the Sustainable Development Goals, 18-22 May 2022 (Sorbonne University, Paris, France), <http://www.gw-sdg2022.fr/index.php/en/>
- 8) 36th Brazilian Congress of Speleology, 3-6 June 2022 (Brasilia, Brazil), <http://36cbe.org.br/>
- 9) EuroKarst 2022: The European Congress on Karst Hydrogeology and Carbonate Reservoirs, 22-25 June 2022 (Málaga, Spain), <http://www.eurokarst.org/>
- 10) Climate Change, The Karst Record IX (KR9), 17-20 July 2022 (Innsbruck, Austria), <https://www.uibk.ac.at/congress/kr9/>
- 11) 25th International Conference on Subterranean Biology, 18-22 July 2022 (Cluj-Napoca, Romania), <https://www.25icsb.com/>.

- 12) 18th International Congress of Speleology, 24-31 July 2022 (Savoie Technolac, Le Bourget du Lac, Savoie, France), <http://uis2021.speleos.fr/>
- 13) 17th Multidisciplinary Conference on Sinkholes and the Engineering and Environmental Impacts of Karst, 27-31 March 2023 (Tampa, Florida, USA), <http://www.sinkholeconference.com/>
- 14) 19th International Congress of Speleology, 20-27 July 2025 (Belo Horizonte, Minas Gerais, Brazil), for preliminary information see volume 63-1 of the UIS Bulletin at <http://uis-speleo.org/wp-content/uploads/2021/07/uisb631.pdf>
- 15) Man and Karst Conference, 12-17 September 2022 (Sicily, Italy), <https://cirs-ragusa.org/blog/man-and-karst-2022/>