



ISCA Newsletter

May
June
2022

INTERNATIONAL SHOW CAVES ASSOCIATION

CONTENTS

Registration is open!

The **ISCA 9th Congress and NCA Convention**, which will take place from **September 22nd to October 1st** in **San Antonio (Texas)** and will be hosted by **Natural Bridge Caverns**, is getting closer and closer.

The [Congress website](#) has now been launched and [registration](#) is open for everyone who wants to be part of this experience. The new website includes [FAQs](#) about the [registration](#), [trips](#), [itinerary](#), [conferences](#) and more elements related to the Congress.

The Congress will be attended by visitors from every corner around the world, who will also share their knowledge and experiences while visiting some of the most wonderful spots in the area.

Please, visit the previous links in order to find more detailed information about event.



In addition to the previous contents, the following pages also include information about the **International Day of Caves and the Subterranean World** (June), **CUEVATUR VIII** (October), and many other events and topics of interest for those who share a passion for the underground.



JOIN ISCA NOW!

Would you like to become a member of the [International Show Caves Association](#)? Find all the information you need on our [website](#).



FOLLOW US!

Our [Facebook page](#) is the best place to share your materials! Do not forget to **like us!**



Message from the President

by Brad Wuest

Hello ISCA members and show cave friends,

I hope you are having a wonderful season. I know many show caves that are closed through the winter are opening up now for their spring and summer seasons. ISCA's 1st Vice-President, Friedrich Oedl from [Eisriesenwelt Cave](#) shared a beautiful picture of his apple tree in blossom so that must mean it's springtime in Austria with the Sound of Music!

We just wrapped up a really successful special event that we host each year at [Natural Bridge Caverns](#) and on our surrounding ranch nature preserve. It's called [Total Archery Challenge](#). Over 2,200 archers came from all over the USA to shoot arrows at targets along hiking trails across our land. Think of golf but with bows and arrows! I'm an archer myself and totally love the event!



Our President, Brad Wuest, a.k.a. 'The Texan Archer', at the Total Archery Challenge which has taken place at Natural Bridge Caverns in the last days. Be warned: it is said he never misses a shot. (Photo: Natural Bridge Caverns)

Speaking of special events, the [International Day of Caves and the Subterranean World \(a.k.a. International Cave Day for short\)](#) is coming up soon on June 6th! Each year members of the ISCA, UIS, national show cave associations and speleological societies around the world join together in the celebration to increase awareness about the importance of caves and karst landscapes to our environment, culture, history, and economy. This year is special because we are still in the [International Year of Caves and Karst 2021-2022](#) which strengthens our message even more.

As we do each year, ISCA will distribute a news release to media around the world. In addition, we will be providing you with a toolkit filled with materials to help you take part in the celebration.

Please use the toolkit materials and the International Cave Day as an opportunity to share your show cave's story with your local media. And what else can you do? I'm so glad you asked! We need photographs from your cave, tell us what you are planning to do and tag your social media content hashtag #CaveDay. Strength is in numbers so let's join together and spread the word about why our subterranean world is so impressive!

A really big thanks to the [National Caves Association USA](#) who is providing matching funds with ISCA's public relations budget to effectively double our efforts! This is allowing us to increase our communications reach and provide even more materials for the International Cave Day celebrations as well as targeting other times of the year to promote show caves such as around Congress 2022. We will share more about these other PR plans in future newsletters. Thanks to our wonderful communications director Winter Prosapio who is producing the news releases and toolkits for us.

We are looking forward to hosting all of you this September in San Antonio Texas USA for the ISCA & NCA Congress 2022! I'm really excited that the Congress [website](#) has launched, and registration is open! Check out the website for more information on the Congress and the [pre and post field trips](#) and please register soon! [Registration](#) is really easy, just click on the registration tab and you can pay online with your credit card. Don't forget to click on the [hotel](#) tab to find the link to book your room under our discounted group room block.

We are currently working on speakers to provide informative and valuable content that will make it well worth attending in addition to all the networking and field trip experiences.

I'm excited to announce that Mike Konzen, Chairman and CEO of [PGAV](#) will be our keynote speaker. PGAV is a multidisciplinary planning and design firm. Mike has led PGAV in work for UNESCO World Heritage sites, major museums, national parks, theme parks, resorts and yes show caves! Today, PGAV Destinations is the largest independent creator of attractions and destinations in the industry, with projects on five continents. Mike will speak about seeing the potential beyond your cave and how you can bring a level of immersive design to everything you do.

If you have questions, check out the FAQs tab. If you don't find the answer to your question, feel free to email us at isca_nca2022@naturalbridgecaverns.com

I also want to thank all our [sponsors](#) who are helping make this Congress so amazing and affordable to attend. Sponsors like [Assurance](#) who provides a custom-tailored group insurance program for show caves and natural attractions. Check all of them out on the [sponsor's tab](#)! These are all companies that do business with show caves, and some are even fellow show caves who want to help support. If you are interested in being a sponsor, check out the opportunities under this tab.

In this newsletter you will see a link to the second edition [Guidelines for Cave & Karst Protection](#) that were recently published by UIS (International Union of Speleology) and IUCN (International Union for the Conservation of Nature). The first edition was published in 1997 so an update was certainly in order. ISCA Director, Hein Gerstner, park manager of [Mulu World Heritage Area](#) in Malaysia and myself were among the contributors. It's a comprehensive document on caves & karst protection and naturally has a chapter on show caves. The show caves chapter compliments ISCA's Recommended International Guidelines for the Development and Management of Show Caves. I want to commend UIS and IUCN for updating this informative tool for those of us who have the privilege of stewarding our precious cave and karst resources. Congratulations to the editors David Gillieson, John Gunn, Augusto Auler and Terry Bolger on their excellent work. I encourage everyone to utilize this excellent resource.

Compliments to my dear friend Juanjo for his patience in waiting for my last-minute article and publishing another wonderful newsletter!

Friends, if we can do anything to assist you, please let me know. My best wishes to all of you for your safety, health, happiness, and prosperity.

God bless,



Brad Wuest
ISCA President

BRAD WUEST

President/CEO at Natural Bridge Caverns (Texas, USA) and ISCA President. Born in 1972 in New Braunfels (Texas), Brad is married to Lexi and they have four beautiful children: Ashley, Clara, Millie and Harrison.

Contact: bwuest@naturalbridgecaverns.com



From the editor

by Juanjo Tíscar

Dear ISCA friends,

Let me start by wishing my parents the happiest birthday, as well as happy Spanish Mother's Day!

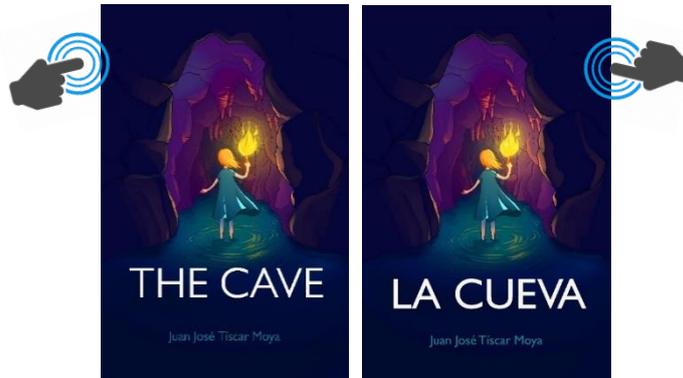
I also wanted to congratulate my family at [Natural Bridge Caverns](#) for their excellent work and awards received (see [pp.22-23](#)). Oh, and special thanks to Jessie Treadwell, Winter D. Prosapio & Jamie Finney for their excellent job.

I spent some of the best moments in my life in Texas, and I can't wait to go back. Therefore, I can only recommend all of you to visit the ISCA-NCA Congress (keep reading this publication for more info!) which is taking place in late-September. I am sure you would never forget that event!



*Happy birthday to mom and dad!
And happy Spanish Mother's Day too!*

I don't want to forget about my short novel (The Cave), which is available on Amazon for all of you. My dream is to reach all caves, but I guess I will be satisfied if I take to one cave from each continent, ha! One more time, a big thanks to those who supported me, including my family, friends, and [NBC](#)!



In memory of Milton R. Holt

Dear friends,

ISCA is saddened to tell you that Milton R. Holt passed away peacefully on Friday, March 4, 2022 at the Mountain Valley Hospice Center in Gloversville at age 94 years.

Mr. Holt was father of Robert (Bob) A. Holt (our beloved NCA Executive Director), as well as his other three children Christopher M. Holt, Jennifer M. Holt and David A. (Kelly) Holt. In addition, his large family also had three grandchildren, five great-grandchildren, as well as many nephews and nieces.

In words of the family, "he now joins his wife Patricia and all his family and friends who have gone before him."



*Milton R. Holt.
September 07, 1927 - March 04, 2022*

ISCA Library

Don't miss any of our previous publications! Click on the images and download!



2022 Mar-Apr



2022 Jan-Feb



2021 Nov-Dec



2021 Sep-Oct



2021 Jul-Aug



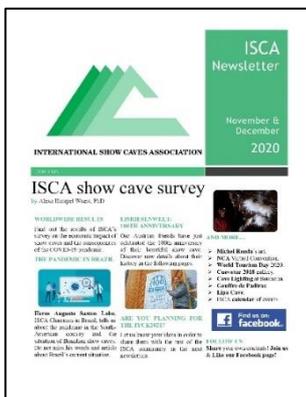
2021 May-Jun



2021 Mar-Apr



2021 Jan-Feb



2020 Nov-Dec



2020 Sep-Oct

Registration is now OPEN for ISCA and NCA Cave Congress 2022!

by Winter D. Prosapio, Director of Communications at Natural Bridge Caverns



We have great news: the [website has now launched, and registration is now open](#) for the first-ever joint International Show Caves Association and National Caves Association Congress from September 22nd to October 1st. This unique opportunity to gather together with both national and international colleagues is one you won't want to miss!

Dynamic presenters. Compelling ideas for growth. Insights into new technologies in every area. Opportunities to learn from the best in the industry. And, of course, beautiful caves. It's all happening at the International Show Caves Association and National Caves Association Congress 2022.

The Congress 2022 complete agenda is absolutely packed with opportunities to learn, network, and plan. From pre-Congress field trips to the region's most incredible caves to presentations from internationally renowned experts in strategic planning to some good old fashion honky tonk fun, this year's Congress promises to be filled with valuable and insightful ideas, unique experiences, and chances to connect with industry leaders from around the world.

Intrigued? Good! Here are more details:

- First, click [here](#) to see the full Congress itinerary so far including pre and post field trips.
- Thanks to many generous sponsors, we have been able to get the registration cost down to an **Early Bird Registration rate of \$649 (586€) per person**. After July 15th, it will be \$749 (677€). This cost includes 4 full days of Congress programs, meals, drinks, transportation, and activities. There is no need to rent a car.
- **Our Congress hotel** is The Westin Riverwalk, San Antonio, the discounted group rate starts at \$165 (149€) per night plus taxes and fees. [Click here to reserve your room for Congress.](#)
- **Pre-Trip** -- \$225 (203€) per person plus hotel stays for two nights (\$99.99 (90€) per night plus taxes and fees). Call the Stevens Inn at +1 (575) 887-2851 or +1 (800) 730-2851 to reserve your room.
- **Post-Trip** -- \$225 (203€) per person plus fees for two hotel stays
 - The first night will be in Boerne, Texas for \$159 (144€) plus taxes and fees. [Click here to reserve your room at Comfort Inn & Suites Texas Hill Country.](#)
 - The second night is in a hotel close to the [San Antonio International Airport](#) for \$129 (117€) plus taxes and fees. [Click here to reserve your room at Embassy Suites - San Antonio.](#)

Here are a few things you'll learn:

- Discover how to maximize operational efficiency and drive results in a competitive entertainment and attraction landscape.
- Uncover exciting revenue opportunities in marketing, retail, and food and beverage.
- Learn how to better teach and educate guests about cave formations and the ancient world.
- Find solutions that have plagued you by connecting with others who have grappled with the same (or similar) challenges. Or talk to vendors for news on the latest products and solutions for your cave.
- Explore ways to better maintain and manage your property or expand your expertise.
- Identify effective staff trainings with proven results and learn how tour guides are increasingly finding ways to better connect with guests.
- Network with colleagues from around the world and welcome new friends at an exciting series of events designed just for you.

Don't wait another minute. [Make your plans today and register early to save.](#) We can't wait to see you at Congress 2022!



ISCA/NCA Congress 2022

Strategize. Develop. Dream.

SAN ANTONIO, TEXAS



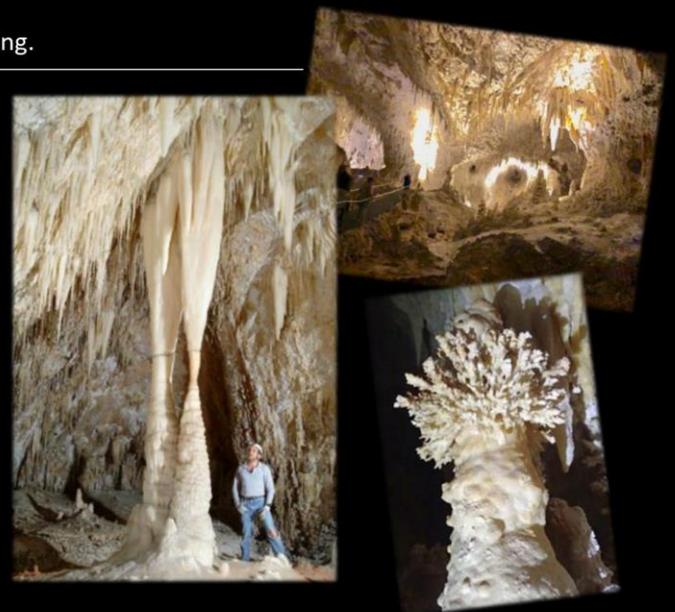
Step back from the day-to-day and dream. See beyond the cave entrance and queue lines see a whole new level of operational and entertainment excellence. Take time for strategic thinking about where you are - and where you could be. This is why it's important to make time to attend the International Show Caves Association and National Caves Association Congress 2022.

We've packed the agenda with incredible opportunities to learn from entertainment professionals and some of the top cave operators in the world. When you attend International Show Caves Association and National Caves Association Congress 2022 you will:

- Discover how to maximize operational efficiency and drive results in a competitive entertainment and attraction landscape.
- Uncover exciting revenue opportunities in marketing, retail, and food and beverage.
- Learn how to better entertain and educate guests about cave formations and the subterranean world.
- Find solutions that have plagued you by connecting with others who have grappled with the same (or similar) challenges. Or talk to vendors for news on the latest products and solutions for your cave.
- Explore ways to better maintain and manage your property or expand your expertise.
- Identify effective staff trainings with proven results and learn how tour guides are increasingly finding ways to better connect with guests.
- Network with colleagues from around the world and welcome new friends at an exciting series of events designed just for you.
- Learn about the latest in cave development and cave lighting.

Join us on the Pre-Congress Field Trip -September 22-24, 2022-

One of the most spectacular and highly decorated caves in North America. The deepest cave in the US. The heart of cave and karst research. This incredible pre-congress field trip is one of the most spectacular ever offered!



**National Cave and Karst
Research Institute**



Stunning. Breathtaking. Phenomenal.

Those are the only words worthy of describing the caves on our pre-congress field trip.

-Monday, September 26, 2022-

It's time to connect and be inspired! Share all that is happening at your property and hear other news from show caves around the world. After opening ceremonies and business meetings on Monday, we'll enjoy lunch while viewing updates from caves around the country and around the world about operations, new developments, exploration, and expansions. A catalog vendor show will take place on this day as well. That evening we'll spend time together in a saloon!



The Buckhorn Saloon takes a little of old school Texas and plays it up in an engaging and delightful atmosphere. Soak up the cowboy culture at the oldest running saloon in Texas.

-Tuesday, September 27, 2022-

Join us for an insightful keynote address by Mike Konzen, Chairman and CEO of PGAV, a multidisciplinary planning and design firm. Mike has led PGAV in work for UNESCO World Heritage sites, major museums, national parks, theme parks, show caves and resorts. Today, PGAV Destinations is the largest independent creator of attractions and destinations in the industry, with projects on five continents. Mike will speak about seeing the potential beyond your cave and how you can bring a level of immersive design to everything you do.



Join us at our host show cave, Natural Bridge Caverns. Showcasing recent multi-million-dollar cave lighting and development projects featuring a full range of above and below ground entertainment, you will experience all this property has to offer. Cavern leadership will be available to share stories and give insight into one of the largest show cave operations in the United States.



You haven't experienced true Texas horsemanship entertainment until you see Jerry Diaz' family Charro show! Jerry is a member of the Cowboy Hall of Fame and is recognized around the world for his expertise in horsemanship and dedication to the Charro traditions.

-Wednesday, September 28, 2022-

After meetings and lunch, we will jump on a river barge for a guided tour of The Paseo del Rio before touring the iconic Alamo. After the tours, you will have free time to explore the world-famous San Antonio Riverwalk on your own – dining, shopping, and entertainment of your choice.



-Thursday, September 29, 2022-



After decades of touring groups through a cavern, you think you know it better than anyone – until you light it with state-of-the-art systems that change your perspective completely. That’s what happened when the Natural Bridge Caverns team walked back into the Hidden Cavern after the Cave Lighting Team lit up the room. “We gasped. Literally.” Hear from Alexander Chrapko from Cave Lighting and Matt Carr, Director of Cavern Development about the recently completed lighting project and the dramatic impact on the tour experience.

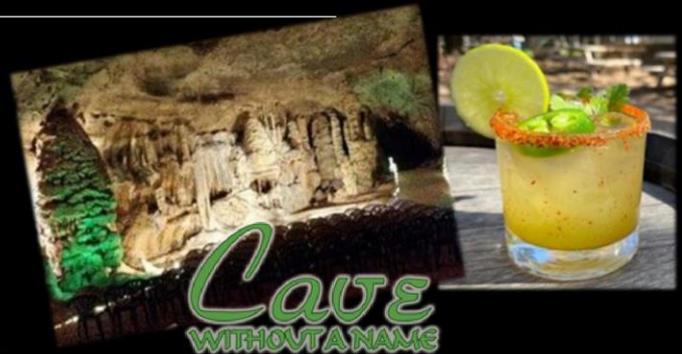


Western Theme Party, wear your coolest Western wear! Cowboy Hat and Boots! The Briscoe Western Art Museum celebrates the stories of the cowboy, the vaquero, Native Americans, and the vast beauty of the Western landscape through drawings, sketches, paintings, and sculptures. It's a fitting locale for our Congress dinner.

Join us on the Post-Congress Field Trip

-September 30 – October 1, 2022-

Join us for two days of exploration of our spectacular local show caves, incredible entertainment, and delightful Texas hospitality in the beautiful Hill Country. From a concert in a cave to some serious dance hall time, we’re filling your final days in Texas with the perfect blend of wonder, fun, and hospitality.



Congress Speakers

Tuesday, September 27, 2022



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We are working on adding new speakers and topics for the presentations. The [Congress website](#) will be updated and new information will be shared with members as soon as there are new participants.

Congress itinerary



Attendees will not only learn more about caves while meeting other cave enthusiasts, but they will also enjoy some of the most beautiful locations in San Antonio and its surroundings. Please, visit the [itinerary page](#) in order to learn more about the different activities which are included in the Congress schedule.



The itinerary includes San Antonio Riverwalk, the Alamo, and caves such as Cave Without a Name, Natural Bridge Caverns, Inner Space Cavern, Carlsbad Caverns, Longhorn Caverns and Caverns of Sonora.

Field trips



Caverns of Sonora - Texas

Located on a working ranch, the Caverns of Sonora is a World-Renowned show cave, a National Natural Landmark and recognized as one of the most beautiful show caves on the planet. Experience some of the most beautiful and rare formations in the world in an incredible setting that is 98% actively growing.



Carlsbad Caverns - New Mexico

Carlsbad Caverns National Park is in the Chihuahuan Desert of southern New Mexico. It features more than 100 caves. The Natural Entrance is a path into the namesake Carlsbad Cavern. Stalactites cling to the roof of the Big Room, a huge underground chamber in the cavern. Walnut Canyon Desert Loop is a drive with desert views. Rattlesnake Springs, a desert wetland, attracts reptiles and hundreds of bird species.



Carlsbad Caverns - National Park, New Mexico



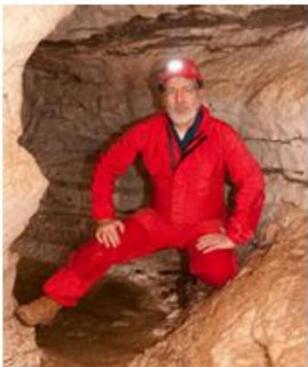
National Cave and Karst Research Institute - New Mexico

The National Cave and Karst Research Institute (NCKRI) is a non-profit government-supported institute headquartered in the City of Carlsbad, New Mexico. It was created by the US Congress to conduct, support, facilitate, and promote programs in cave and karst research, education, environmental management, and data acquisition and sharing.



DropZone - NCKRI, New Mexico

Immerse yourself in vertical cave exploration at the Cave Exploratorium's DropZone, our first permanent exhibit. Through hands-on and interactive exhibits, you can learn about how theories developed by Newton and Galileo are applied to cave exploration and rope work. The use of vertical skills helps cavers explore our subterranean world. For the very brave, you can experience what it is like to be a vertical cave explorer by climbing and descending 9 m on a simulated cave wall.



Travel Host - Dr. George Veni is the Executive Director of the National Cave and Karst Research Institute (NCKRI) and an internationally recognized hydrogeologist specializing in caves and karst terrains. Prior to NCKRI, he owned and served as principal investigator of George Veni and Associates, conducting multidisciplinary environmental karst management studies for more than 20 years. He has conducted karst research throughout the United States and in several other countries. He has been a member of the governing board of the International Union of Speleology since 2002 and served as its President since 2017, organizing the International Year of Caves and Karst in 2021-2022. He has served as an advisor for geological, geographical, and biological dissertations and theses at several universities in Greece and the USA, and has published and presented over 270 papers, including six books, on hydrogeology, biology, and environmental management in karst terrains.

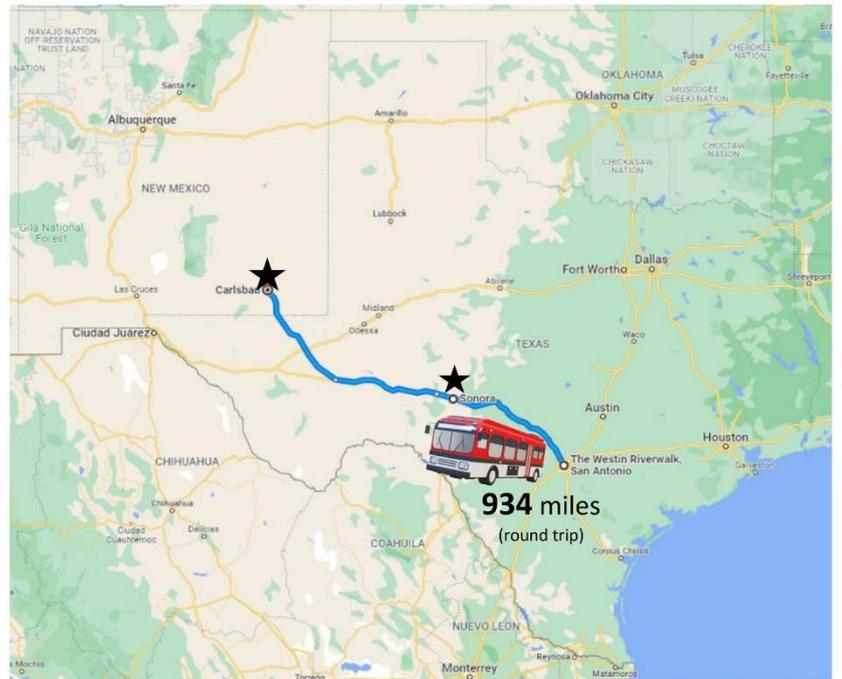


Travel Host - Brian Vauter began working at Natural Bridge Caverns in 1986 as a tour guide in high school. He graduated from Baylor University with a degree in Geology. He worked for the United States Geological Survey in Nevada for the Yucca Mountain Project looking specifically at groundwater and water vapor flow through the volcanic rocks. He returned to Natural Bridge Caverns as the Staff Cavern Geologist. In addition to Geology, he works extensively with ticketing systems and business intelligence software.



Rattlesnake Springs - New Mexico

Rattlesnake Springs, part of Carlsbad Caverns National Park, is a lush oasis in the desert. This riparian ecosystem features a natural spring and a large grove of cottonwood trees planted by the Civilian Conservation Corps. It's an ideal place for bird watching year-round.

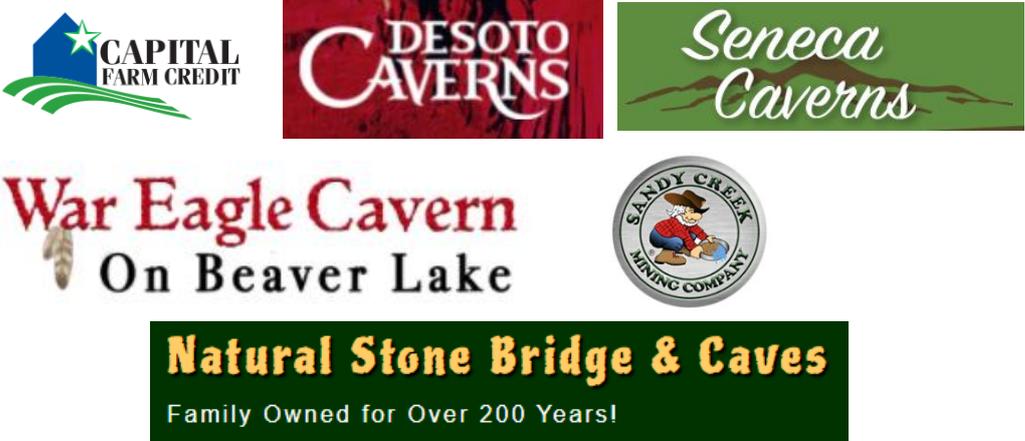


Registration Fee: \$225.00

Registration Fee does NOT include hotel accommodations. Please book your hotel by contacting the Stevens Inn - Carlsbad, New Mexico.

Phone: +1 (575) 887-2851

Congress sponsors

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International Day of Caves and the Subterranean World, June 6

Association Nationale des Grottes de France & Fédération Française de Spéléologie
présentent

Journée Internationale
des Grottes Touristiques
et du Monde Souterrain

International Day of Caves and Subterranean World

Lun. 06
juin 2022
6th June, 2022



REGARDS
&
CROISÉS

© Romain Verot & Rémi Filament

Regards croisés sur le monde souterrain
Converging Views on Subterranean World

www.grottesdefrance.org / [#jigt2022](https://twitter.com/jigt2022)
www.ffspeleo.fr



Association Nationale des Grottes de France & Fédération Française de Spéléologie
présentent

**Journée Internationale
des Grottes Touristiques
et du Monde Souterrain**
International Day of Caves and Subterranean World

**Lun. 06
juin 2022**
6th June, 2022



Grotte Célestine de Rauzan ©

Converging views on Subterranean World

Since 2017, ANECAT (National Association of caves of France) and [ISCA](#) (International Show Cave Association) have joined forces to highlight all the diversity of the subterranean world during an exceptional event: **the International Day of Caves and Subterranean World**.

In 2022, ANECAT and the [FFS](#) (French Federation of Speleology) have chosen to converge their eyes to make discover this invisible world to the greatest number in a spirit of openness, accessibility and awareness.

Monday, June 6, 2022, dive in the magic of the caves of France and live an extraordinary and unique journey thanks to the many discovery activities offered!

Discover our program on our website: www.grottesdefrance.org.

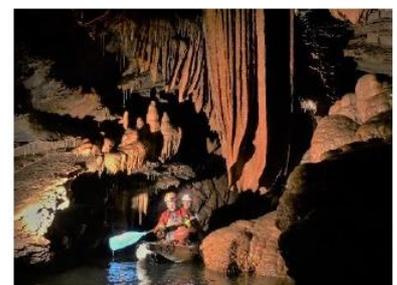
Press contact : Roselyne Aulner, 06 30 94 01 72 or contactanecat@gmail.com.



Grotte des Demoiselles
Rémi Flament ©



Grotte de la Salamandre ©



Gouffre géant de Cabrespine
Arnaud Maté ©

[ANECAT Grottes de France](#) is an association founded in 1962 by 22 members-managers of showcaves. That means caves that can be visited with family or friends.

Now, the ANECAT brings together 76 showcaves, representing 70% of the french showcaves, chasms, avens and underground rivers of France, 25% of which are prehistoric sites, that aim to protect the underground environment, welcome and amaze visitors.

The managers of showcaves wish to share these places while preserving them and also ensuring the safety of visitors thanks to facilities that respect the underground environment and facilitate access.

For that reason, has always, thanks to these facilities respectful of the protection and conservation of this exceptional heritage, the ANECAT and each member works to allow as many people as possible to be amazed and discover, in total safety, this fascinating universe that is the subterranean world.

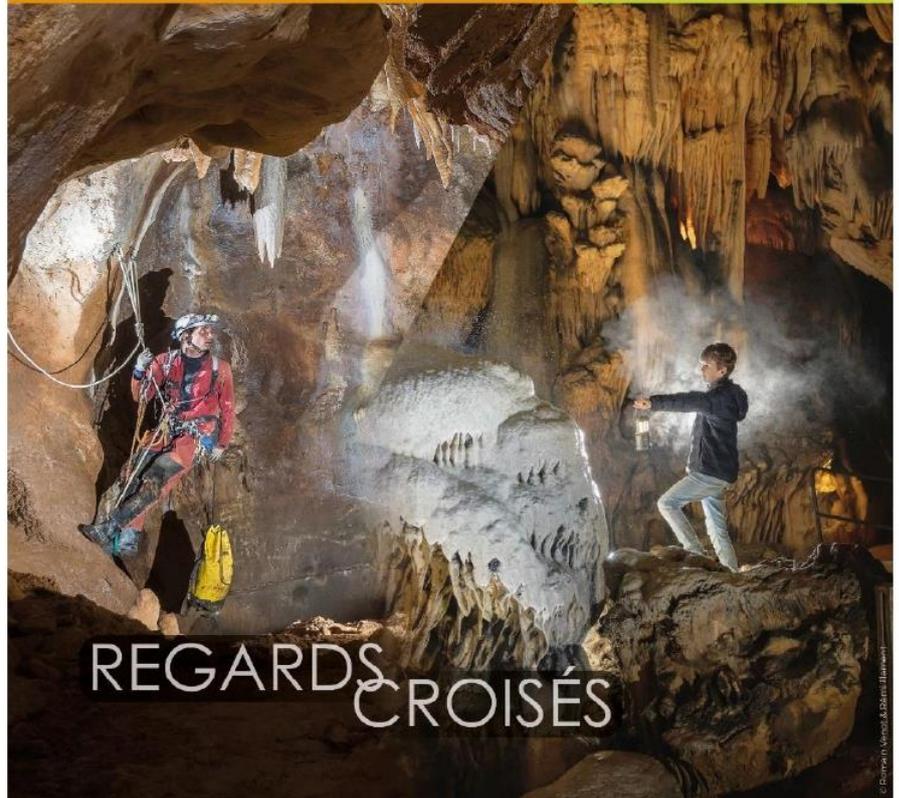
Association Nationale des Grottes de France & Fédération Française de Spéléologie
présentent

Journée Internationale des Grottes Touristiques et du Monde Souterrain

International Day of Caves and Subterranean World

Lun. 06
juin 2022

6th June, 2022



Regards croisés sur le monde souterrain
Converging Views on Subterranean World
www.grottesdefrance.org / #jigt2022
www.ffspeleo.fr



Aven Forestière
R. Kann ©



Grotte de Niaux ©



Grotte de Clamouse ©

Press contact: Roselyne Aulner, 06 30 94 01 72 or contactanecat@gmail.com



Visit [ANECAT website](#) and their [Facebook page](#).

Join us for International Cave Day



INTERNATIONAL SHOW CAVES ASSOCIATION

June 6th is the International Day of Caves and the Subterranean World (aka International Cave Day or ICD, for short). The exciting news is we are working on a toolkit filled with materials to make it easy for you to take part in the celebration!

Here's what the International Show Caves Association is providing to members in the **toolkit**:

- A templated news release you can use locally along with instructions on use
- Poster for you to download and print locally for the celebration
- Social Media graphics, posts, and templates
- A hashtag: **#CaveDay**
- Employee/tour guide talking points
- Sticker design you can download and print locally
- List of ICD ideas (including the recommendation to celebrate beginning as early as Friday, June 3 and extend it to a full week).

In addition to this toolkit we are also:

- Talking to speleologists to look for ways to collaborate more than ever before.
- Distributing a news release to go out on the wire no later than May 12th
- Uploading a fact sheet with "quick cave" facts
- Establishing a folder of images and possibly video that media can use to include in their stories

So **what can you do to help?** Plenty!

1. Send us an image (we'd love to get four if possible) of your cave for our kit. Drop **Winter** (wprosapio@naturalbridgecaverns.com) an email and we'll send you a link on where you can upload.
2. Tell us your plans! We'd love to know what you are planning to do at your cave to celebrate International Cave Day.
3. Tag your content on social with our hashtag **#CaveDay** so we can be sure to share it far and wide.
4. If you have an idea on how we can help, let us know. We're open to doing all we can to make this another exciting celebration.

Our goal is to get you your **International Cave Day kit** by May 12th, if not earlier, so please watch your email. Also keep an eye out for requests to use photos you may have on your social or web pages going forward.

We can't wait to hear how you celebrate International Cave Day!

Guidelines for Cave and Karst Protection



After the publication of the first edition by the [International Union for the Conservation of Nature \(IUCN\)](#) back in 1997, the second edition of the Guidelines for Cave and Karst Protection to support the growing international need for guidance in cave and karst management has recently been published.

The [Union Internationale de Spéléologie \(UIS\)](#), in cooperation with the IUCN, and thanks to the work of 16 leading experts, have updated and expanded the guidelines to include new knowledge gained over the past 25 years.

The publication is also a recognition of the International Year of Caves and Karst.

The following links include:

- [Guidelines for Cave and Karst Protection \(2nd Edition\)](#)
- [Complete Listing of Guidelines for Cave and Karst Protection](#)



Guidelines for Cave and Karst Protection

Second Edition

2022

Edited by David Gillieson, John Gunn, Augusto Auler and Terry Bolger

Contributors: Augusto Auler, Terry Bolger, Ferdinando Didonna, Rolan Eberhard, Stefan Eberhard, Hein Gerstner, David Gillieson, John Gunn, Ana Komericki, Denise Matias, Jasmine Moreira, Ana Sofia Reboleira, Geary Schindel, Maria-Laura Tîrlă, Bärbel Vogel and Brad Wuest

The list of experts who collaborated. Source: Guidelines for Cave and Karst Protection

International Bat Appreciation Day



Big-eared bat. Photo: National Park Service

They have been on this planet for over 50 million years and there are around 1,500 different species which can be found in every continent. Their presence is not irrelevant to us, and even though what many may believe due to their negative reputation, the truth is that bats play a key role to preserve ecosystems since they provide insect pest consumption, plant pollination, and seed dispersal.

In springtime, bats start to emerge from hibernation and some of the world's largest colonies leave their dark homes in order to survive. Consequently, April 17th is the International Bat Appreciation Day, a perfect date to remind us about their extraordinary work as indicator species, pollinators and insectivores.

Unfortunately, the second largest order of mammals in the world has not escaped from the dangers of human activity, and their extinction is now a fact to be taken into serious consideration. According to [Bat Conservation International](#), the ongoing destruction of natural habitats, hunting and persecution for sport and meat, the growing use of wind-turbine energy, and the proliferation of harmful myths are some of the main reasons which can be named when explaining their difficult situation.



“Bats lead us to the best opportunities to protect nature anywhere in the world.” (Mike Daulton, BCI Executive Director)

Experts at [Bat Conservation International](#) try to ensure the worldwide survival of bats. There are hundreds of species threatened with extinction and they are in need of urgent help.

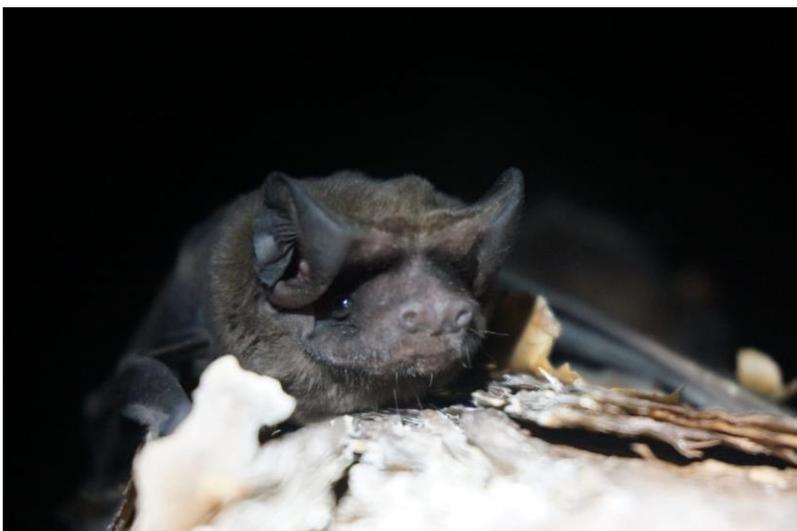
Membership is the most effective way to protect bats. [Join now!](#)

As previously mentioned, bats are endangered species facing potential extinction, and it would be interesting to change the general (and negative) public view and take action in order not to let them disappear. They may not be the prettiest animal in the world, but they are so important that their vital role should be given the importance it deserves.

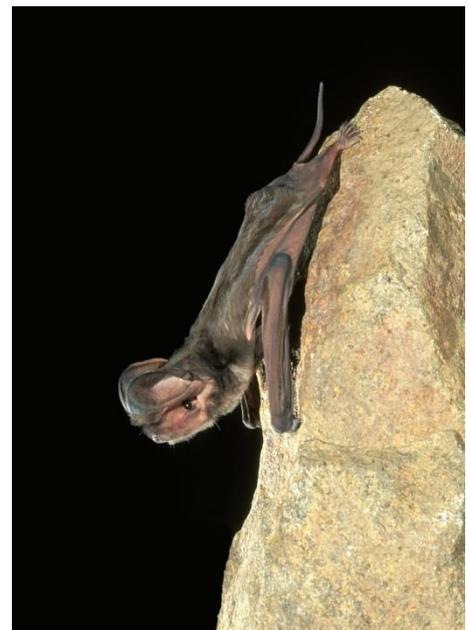
The next time you see or hear a bat, stop for a moment and try to appreciate how amazing these animals are.



Near San Antonio, Texas USA, Bracken Cave is home to approximately 20 million Mexican free-tailed bats. Photo: Texas Parks and Wildlife



Florida Bonneted Bat, an endangered species. Photo: Micaela Jemson.



*Greater Bonneted Bat, an endangered species.
Photo: J. Scott Altenbach.*

Congratulations to Natural Bridge Caverns



[Natural Bridge Caverns](#) (and ISCA) have reasons (in plural) to celebrate.

Joye Wuest, co-owner at Natural Bridge Caverns, has recently been presented the **Angel of Hope Award** by the Board of Directors and Hope Hospice staff at the Green & Gold Gala. Joye, who has been a member of the Board since 1999, has greatly supported the services provided by [Hope Hospice](#) and she extraordinarily represents the values of the organization.

As indicated by the people at Hope Service, Joye, along with Dr. Frank & Gayle Hampel family, have assisted Hope Hospice for many years and have also contributed to create the Hampel-Wuest Grief & Hope Center in 2016 on the Hope Hospice campus in New Braunfels. **Congratulations, Joye!**

In addition to the Angel of Hope Award, on Wednesday 27, the Wuest family were also presented with the **2022 Conservation Award** by [San Antonio Zoo](#). This award comes as no surprise due to the huge effort made by the Natural Bridge Caverns team as regards conservation of subterranean species and their habitats.

Brad Wuest, President/CEO at Natural Bridge Caverns and ISCA President, admitted that “in the end, we will conserve only what we love; we will love only what we understand, and we will understand only what we are taught.”

Congratulations, Natural Bridge Caverns!

But wait, we are not finished with NBC! (go to next page)



Joye Wuest is presented the Angel of Hope Award and the Wuest family receives the 2022 Conservation Award. Photos: Natural Bridge Caverns

UTSA finds evidence of possible ancient earth ovens at Natural Bridge Caverns

adapted from an original article by Texas Public Radio



*Joye Wuest and David Yelacic, the director of the UTSA Center for Archaeological Research, examining the findings.
Photo: Winter D. Prosapio (NBC)*

The [University of Texas at San Antonio \(UTSA\)](#) is conducting an archaeological dig at Natural bridge Caverns after UTSA archaeologists [found evidence](#) of possible earth ovens which could have been used by prehistoric people. Construction is expected to be done soon and this area shows evidence of ancient burned rock middens.

David Yelacic, director of UTSA's Center for Archaeological Research, mentioned the discovery of findings which could have lined earth ovens in the ground to cook food. Back in 2003, artifacts had already been found by UTSA and professionals are now working in order to date them. According to Yelacic, the artifacts found at the cave entrance could go back over 10,000 years.

Joye Wuest, co-owner and the family-operated cavern's chief financial officer, also helped with the dig as they understand these discoveries resulted in the caverns' win of national recognition almost two decades ago.

NBC were listed in the National Register of Historic Places in 2004 and decided to reach UTSA, who have done an outstanding job, in order to get some help.

Once the study is over, any significant artifacts found will go on public display at the cavern.

How could we not be so proud of Natural Bridge Caverns? Congratulations.

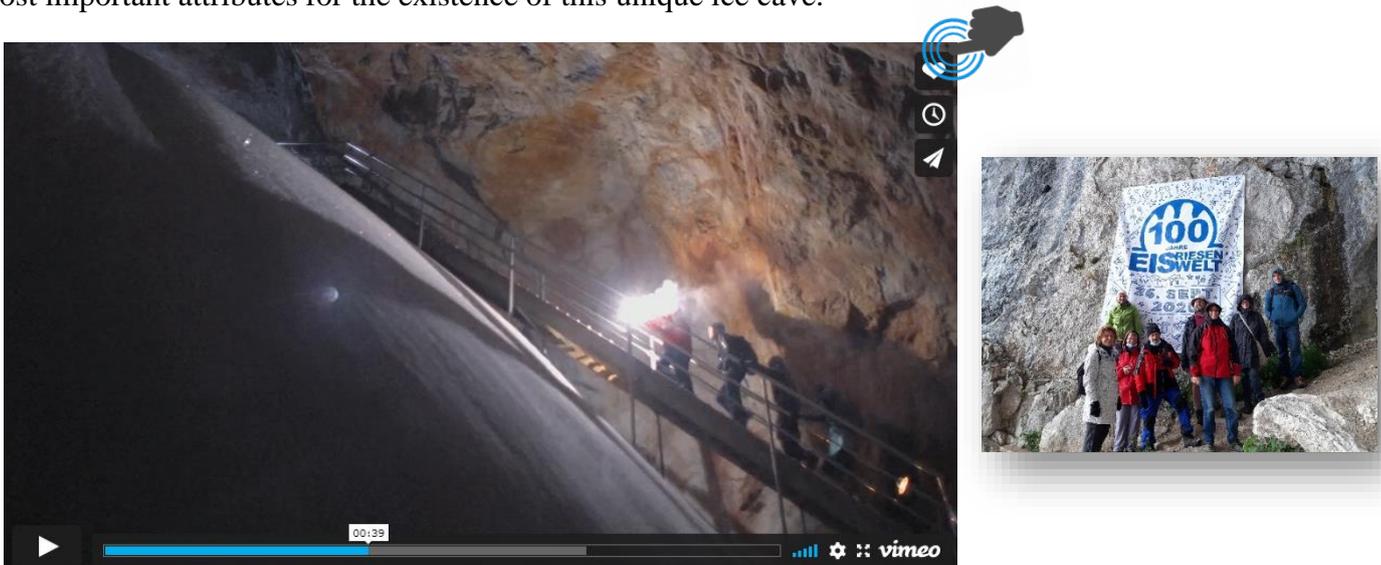
Eisriesenwelt is now open again



Unique, gigantic, and one of Salzburg's most popular attractions for many decades.

After winter break, the World of Ice Giants, also known as [Eisriesenwelt](#) in its mother tongue, is now open again. Discovered at the end of the 19th century, the cave is famous for its crystal-like ice sculptures that form when water sips through the rock fissures into the below zero degrees cave condition.

Eisriesenwelt is located near Salzburg city, Austria – the worldwide famous city of Mozart. The geological situation in the North of the Alps and the special climate circumstances during summer and winter are the most important attributes for the existence of this unique ice cave.



Source: Eisriesenwelt

9th International Workshop on Ice Caves

The [International Workshop on Ice Caves \(IWIC\)](#), which is held every two years, will be celebrated on May 9-13, 2022 in Liptovský Mikuláš, Slovakia. Download the [latest newsletter](#) and [programme](#) of the event now. Organized by the [State Nature Conservancy of the Slovak Republic](#), the [Slovak Caves Administration](#) in cooperation with the [International Union of Speleology \(UIS\)](#), the [Slovak Museum of Nature Protection and Speleology](#), and the [Slovak Speleological Society](#), the event aims at emphasizing research on the protection of ice caves, which are among the most vulnerable natural phenomena.



ŠTÁTNA
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UIS
Union Internationale
de Spéléologie



State Nature Conservancy of the Slovak Republic, Banská Bystrica
Slovak Caves Administration, Liptovský Mikuláš
UIS Commission on Glacier, Firn and Ice Caves
Slovak Museum of Nature Protection and Speleology, Liptovský Mikuláš
Slovak Speleological Society



9th International Workshop on Ice Caves (IWIC-IX)

under the auspices of International Union of Speleology (UIS)

May 9 – 13, 2022 Liptovský Mikuláš, Slovakia

Timpanogos Cave National Monument celebrates its 100th anniversary with lantern tours



[Timpanogos Cave National Monument](#) will soon celebrate its Centennial Lantern Tours and will offer limited guided lantern tours of the popular cave near Alpine. Tickets for all cave tours are available 30 days in advance. Get yours now and celebrate this special date in of Utah's most unique natural spots!



Source: National Park Service

Partners and events of the IYCK2022

Hundreds of **caves and organizations** from all over the world are already a **partner** of the **International Year of Caves and Karst**. If you want to join us, send your **logo** and **website** to webmaster@uis-speleo.org and you will soon appear on the **IYCK website**.

Use the same e-mail address to contact **UIS** in order to share any event which is taking place at your location. Remember to include the following data:

- **Date.**
- **Location.**
- **Event name.**
- **Event description.**
- **A link to more detailed information.**

Your announcement will be highly appreciated and it will be shortly included on the **events section**. Check it out in order to learn more about some of the confirmed events taking place worldwide to celebrate the International Year of Caves and Karst.

Did you know...?

- Disclosure -

We encourage you to download and use all of the IYCK files and information on the IYCK website. No permission is needed as long as you use it to promote the IYCK and teach the world about caves and karst. Please print, distribute, and share this information.

The **International Show Caves Association** would also like to promote your events, so we will be picking some of them in order to be posted both on our Facebook and in future newsletters.

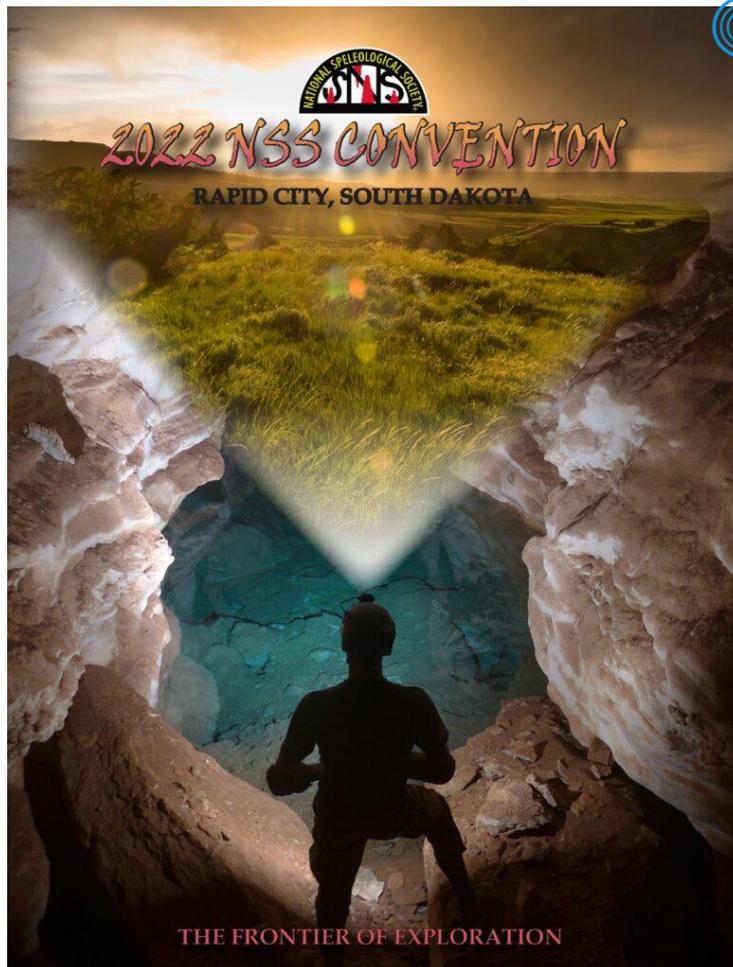


- **Date:** September 23 – September 24, 2022
- **Location:** Belgrade, Serbia
- **Event name:** “Karst – a century-old scientific inspiration”
- **Event description:** On the occasion of the 60th anniversary of the beginning of pedagogical and scientific work of Professor Dušan Gavrilović, and in the IYCK, University of Belgrade, Faculty of Geography organizes a scientific conference. The first karst research and theoretical are related to karst terrains in Serbia. The Faculty of Geography and all its organizational predecessors were the bearers of the study of the Serbian and the surrounding areas. From 1888 and Cvijić’s first karst research until today. Professor Dušan Gavrilović is part of the generation that marked the second half of the 20th century with his scientific research. He left a lasting mark with diverse and rich scientific results in the study of karst, and with his pedagogical work and the formation of the next generation of researchers, he became important as well a successful link in this 134-year-long period. We are organizing this gathering in order to continue and improve the tradition of studying karst at the Faculty of Geography.
- [More information](#)

NSS Convention 2022



[Registration](#) for the [2022 NSS Convention](#) is now open. The event will take place from June 13 to July 17, 2022 in Rapid City (South Dakota, USA). Those attending the event can select from several [caving trips](#) during the week. [Learn more](#) and [register](#) today!



Karst Record IX (KR9) Conference



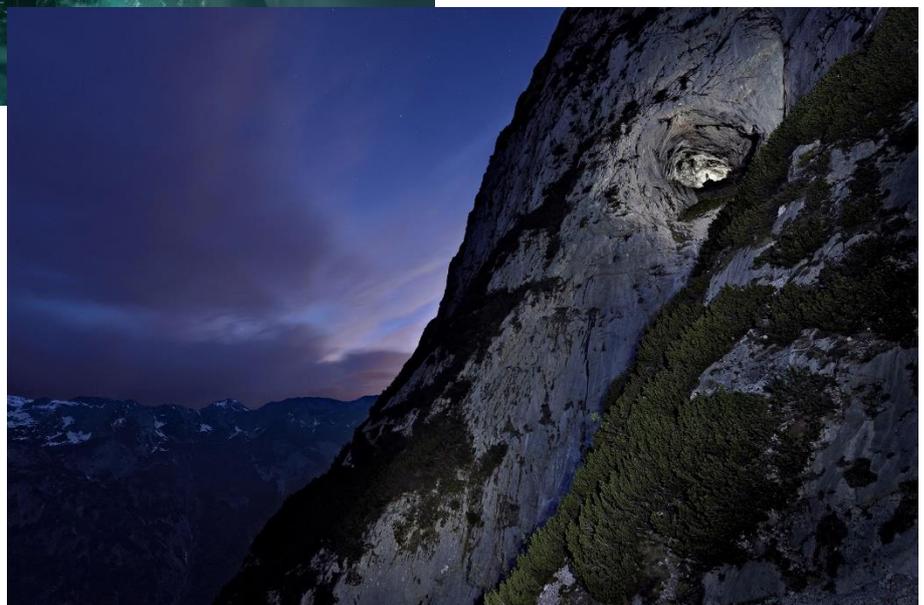
The [Karst Record IX \(KR9\) Conference](#), which will be held from July 17 to July 20 at the University of Innsbruck (Austria) will bring together scientists and students to share the latest progress in the rapidly developing field of cave- and karst-based (palaeo) climate research.

In addition, peripheral activities will be taking place between July 15-21, including visits to [Spannagel Cave](#) and [Nature's Ice Palace](#), as well as [Eisriesenwelt](#).

More info about the event and all the activities and workshops can be found [here](#).



Photos: Robbie Shone ([UIBK](#))



18th International Congress of Speleology

You can now [register](#) for the [18th International Congress of Speleology](#), which will take place from July 24 to July 31, 2022 in Savoie (France). The event is organized by the [Fédération Française de Spéléologie](#) and the [Union Internationale de Spéléologie](#). Don't miss anything in their [latest newsletter](#)!

**18th INTERNATIONAL CONGRESS
SPELEOLOGY**

**SAVOIE
MONT BLANC
FRANCE
2022**

24 AU 31 JUILLET 2022
JULY 24 TO 31, 2022

**CAMPUS
SAVOIE TECHNOLAC**

Informations : uis2021.speleos.fr

Fédération Française de Spéléologie

Union Internationale de Spéléologie

Illustration: Raphaël Fontaine / JAMS

CUEVATUR VIII: International Congress on Show Caves and Mines



cuevatur 2022

VIII CONGRESO ESPAÑOL SOBRE
CUEVAS Y MINAS TURÍSTICAS

The 8th Spanish Congress on Show Caves and Mines, CUEVATUR VIII, will be celebrated in Pulpi (Almeria, Spain) from October 19 to October 23. Four years after its celebration in La Vall d'Uixó (Spain), a new meeting will be taking place in the South of this Mediterranean country.

At the event, experts from different corners will meet in order to share ideas and experiences about the subterranean tourism, a sector which has become the spearhead of innovative and sustainable tourism, especially in rural regions and thanks to its natural and cultural heritage.

After the publication of the first [CUEVATUR newsletter](#), the [second](#) has been published and will be available in English shortly. New information about the Congress itinerary and activities have been included, and more news is expected to be announced soon for those interested in attending such an important event.

In addition to the wide number of representatives attending the event, the Organizing Committee will be made up by some of the most recognized members of the [Spanish Show Caves Association \(ACTE\)](#), including **Manuel Duran Hidalgo (President)**, **Juan Jose Duran Valsero (Vice President)**, **Rafael Pages Rodriguez (Vice President)** and **Ovidio Altable Argüelles (Secretary)**.



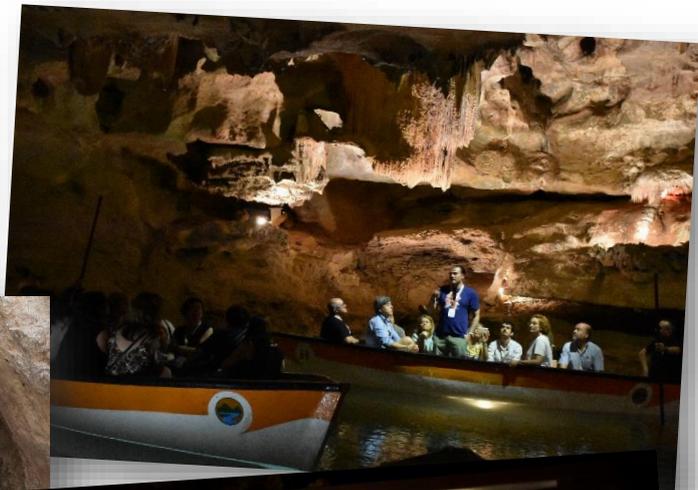
Cuevatur 2018 (Spain). Photos: Cuevatur



CUEVATUR 2018 - 4 years ago...What an experience!

photos by José María Lorenzo

[Click here to DOWNLOAD](#) 



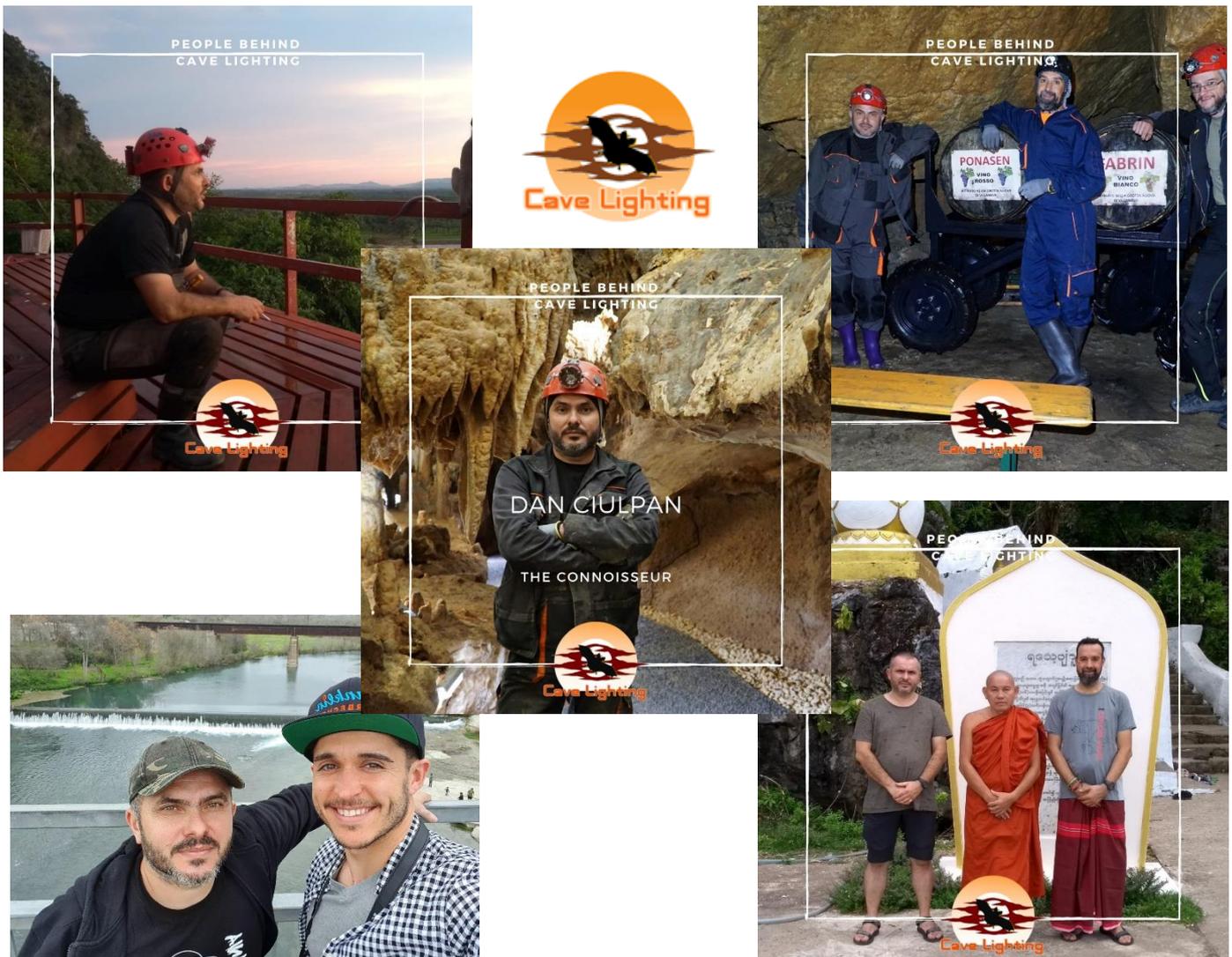
The Cave Lighting ‘Dream Team’: Dan Ciulpan, ‘The Connoisseur’

As an enthusiastic cave explorer, **Dan** decided to change his life completely in 2018. From the office desk of a bank, he became a freelancer and joined Cave Lighting.

The transition from a purely sedentary job to the very demanding physical work in a cave was not easy when he first started. After the first project in Spain, in Coves de Sant, Dan became a key member in CL’s team. He was involved in almost all the previous projects and was able to help carry out concepts in Georgia, Myanmar and other countries.

Within the last 4 years Dan developed into a perfect show cave lighting designer and installation specialist. His results inspire not only customers, but also his colleagues. The team is honoured to have such a special member with them!

Do y’all already know Cave Lighting’s lighting projects? Visit their [website](#) for more info. And learn more about the postponed [Cave Lighting’s Workshop in 2023](#) here. By the way, [they are looking for new employees!](#)



Výpustek Cave opens a new adventure tour: “Discover the secrets of the cave”

by Pavel Gejdoš, Public Relations, Cave Administration of the Czech Republic, gejdos@caves.cz



A second visitor route has been created in the Výpustek Cave, near Křtiny in the Moravian Karst (Czech Republic). The current classic tour passes through a "nuclear shelter", a 200-metre-long secret underground headquarter which was built in 1961 by the Czechoslovak People's Army as a separate facility in case of war.

The new adventure tour "Discover the secrets of the cave" leads around it - between the wall of the shelter and natural wall of the cave. Groups of no more than 10 people and with prior reservation can visit this new area wearing special clothes and headlights. They can also pass through the Low Corridor, which gets its name due to its narrow spaces.

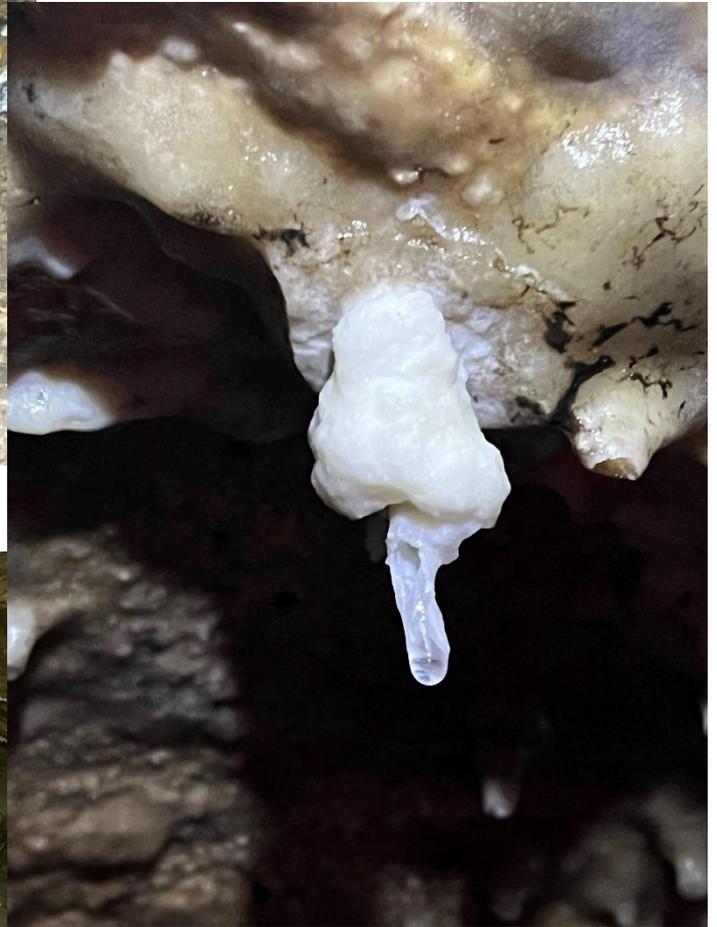
But the squatting visit is rewarded with a look at beautiful thin straws - hollow stalactites resembling macaroni – and down into one of the nine abysses of the cave. Afterwards, they get to the other side of the cave thanks to a new built metal footbridge.

There are five show caves in the Moravian Karst, near Brno: Výpustek Cave, Punkevní Caves (underground boattrip), Balcarka Cave, Kateřinská (Catherine) Cave and Sloupsko-šošůvské Caves.

More at <http://www.caves.cz/> and <http://www.fb.com/jeskynecr> and <http://www.instagram.com/jeskynecr>. Each show cave also has its own official Facebook page.



Photo: Jiří Tesař



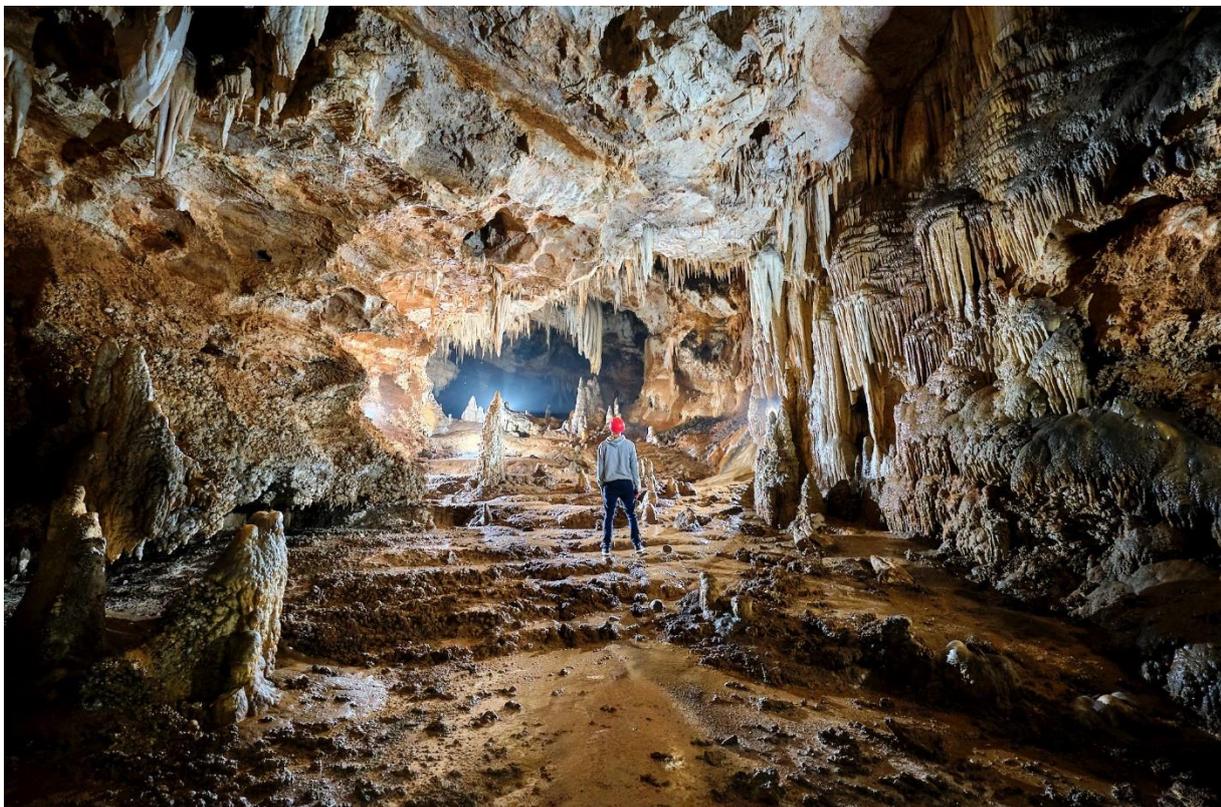
Photos: Jiří Tesář

Lipa cave - astonishing underground wonderland located in Montenegro



Lipa cave is located near the town of Cetinje, former Royal Capital of Montenegro. A 2,5 km long system of underground canals, galleries and passageways, embellished by surreal forms of speleothems (stalactites, stalagmites, corals and draperies) make it a speleological object of great value for Montenegro.

The first written record of the cave was published in 1839 by English archeologist Henry Layard, and this date had been deemed as the actual date of discovery, even though it is known that the cave had been discovered much earlier by the villagers of Lipa Dobrska. Namely, Lipa cave has been mentioned in many tales, which were passed down from one generation to the next, especially among the villagers of Lipa Dobrska. The locals share the stories of the cave being used as a source of drinking water by their ancestors, who named some of the springs, such as Iconostasis, Gemini, Intestines, and Tongue.



Photos: Lipa Cave

Among many other Montenegrin dignitaries, Petar II Petrovic-Njegos and King Nikola I paid significant attention to it.

A team of professionals did their best to make this natural wonder approachable for anyone, so in the year 2015 Lipa cave was opened for visitors, and since then we have been offering unforgettable experiences for tourists and explorers from all around the globe. The duration of our most popular tour, Cave experience, is 60 minutes. The starting point of the tour is the parking lot, from which the visitors are taken to the cave's main entrance by the redesigned train. From here, the journey continues on foot through the cave canals, and visitors are accompanied by one of our trained guides.

One must be aware that the temperature inside the cave is constant, and it varies between 8 and 12 degrees Celsius. Enjoy the much needed refreshment from the hot summer days, and for all the sun lovers among you, we recommend you bring something to cover your shoulders/arms to avoid being cold. There are five scheduled Cave experience tours every day from May to October, starting at 10:00, 11:30, 13:00, 14:30 and 16:00 hours respectively. And there are three scheduled entrances in April and November, starting at 10:00, 12:00 and 14:00 hours respectively.

Caffe bar Lipa and the authentic tastes of Lipa Dobrska village

Our parking lot is home to caffe bar Lipa. Besides the standard menu, our mixologist went a step further and came up with an innovative array of different flavors. Whether it's coffee-based hot drinks, cocktails, homemade linden juice, or a light meal, our caffe bar will add a new dimension to your Lipa cave visit.

Since opening for tourist visits seven years ago, Lipa cave has been recognized and recommended by numerous international tourist platforms. We have been awarded TripAdvisor's certificate of excellence three years in a row, while in the crisis year of 2020 we were listed as travelers' choice keeping that position up to date.

For more information regarding tour options, private visits or event planning please visit our [website](#) or contact us via info@lipa-cave.me!



Photos: Lipa Cave

15th European Cave Rescue Meeting



**EUROPEAN
CAVE
RESCUE
ASSOCIATION**

The [15th European Cave Rescue Meeting](#) will take place in Rudice (Moravian Karst, Czech Republic) from September 29 until October 2 (Pre-Meeting on September 28-29). The meeting is organized by the [Cave Rescue Service](#) (CRS) of the [Czech Speleological Society](#) (CSS) on behalf of the European Cave Rescue Association (ECRA). You can download the first circular [here](#).



**15th European Cave
Rescue Meeting**

Rudice, Moravian karst, Czech Republic

Organized by the **Cave Rescue Service**
of the **Czech Speleological Society**
on behalf of the **European Cave Rescue Association**

Pre-Meeting 28. – 29.9.2022	ECRA Meeting 29.9. – 2.10.2022
---------------------------------------	--

2022



Singin' in the Cave 2022, eight concerts announced

The 8th edition of [Singin' in the Cave](#), a series of concerts which are held at [Coves de Sant Josep \(Spain\)](#), has finally been announced for the joy of music and cave lovers.

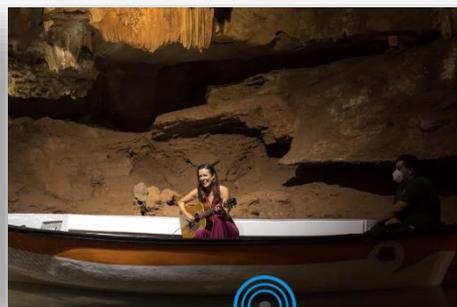
This year, eight different artist will be playing from May 27 until September 9, including Anni B Sweet & Íñigo Bregel (Los Estanques), Pol Batlle & Rita Payés, Sheila Blanco, Anna Colom, Anna Ferrer, Karla Silva & Richie Ferrer, Daniel, and María de la Flor.

In [one of our previous newsletters](#), we interviewed Raúl Rubio (creator of the event and CEO at [luzazu! estudio](#)), who defined the series of concerts as “a perfect union among sound, water and rocks”.

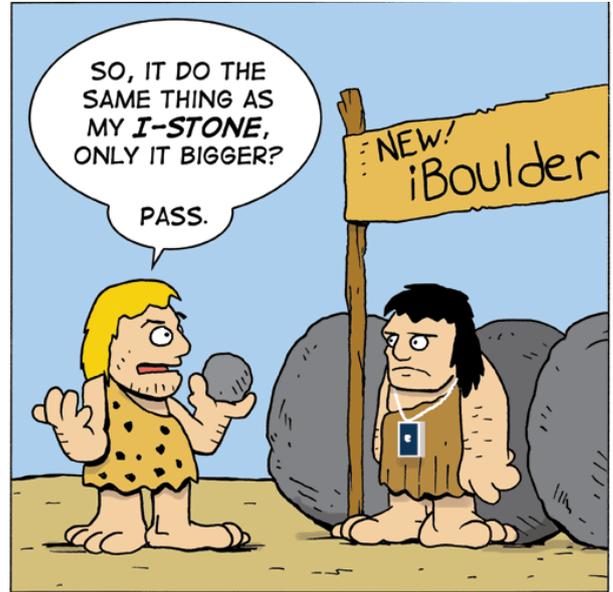
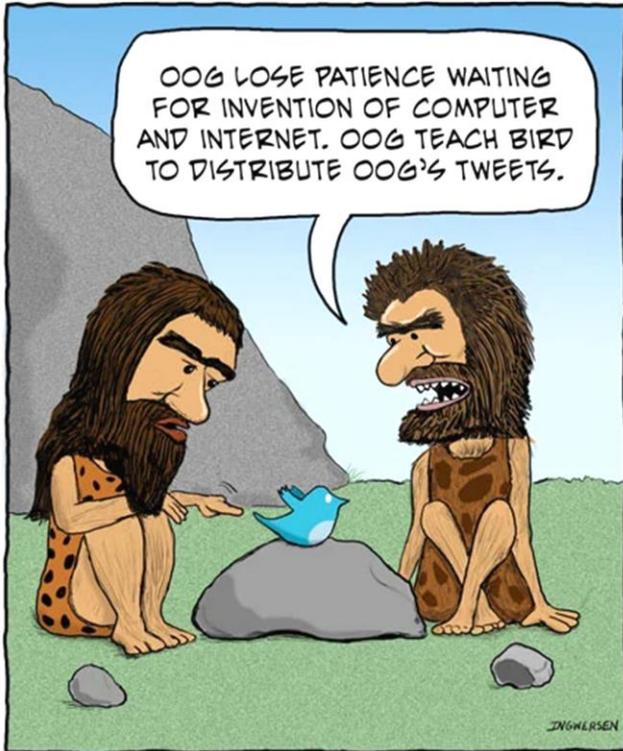
Singin' in the Cave has made it possible to enjoy the music of great artists from Spain, Italy, Portugal, Norway, the United Kingdom and the USA, among others. Don't miss their [YouTube channel](#).



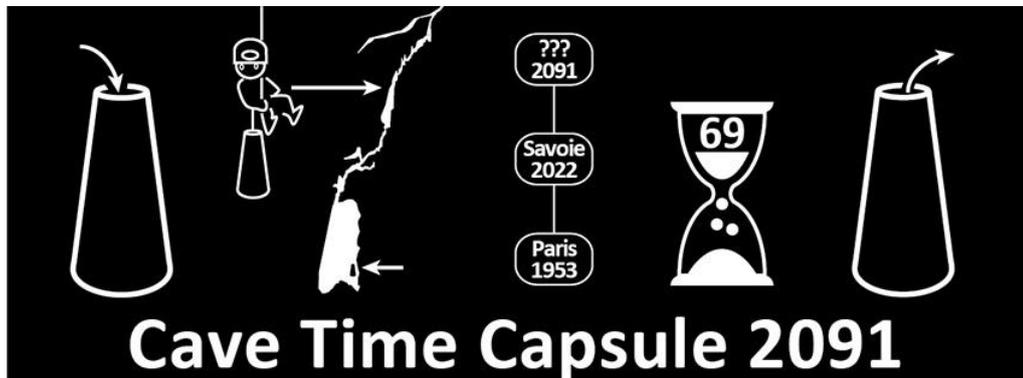
Photos: Singin' in the Cave



The funny side of life



Cave Time Capsule 2091 Project

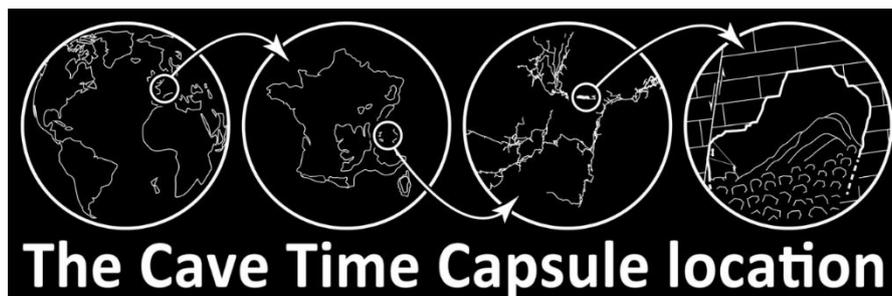


Source: Cave Time Capsule 2091 Facebook Page

The Cave Time Capsule 2091 project is preparing a time capsule that will be closed during the 18th International Congress of Speleology and taken down to -200 in the largest underground network of the Bauges massif (Savoie). This capsule will be opened in 2091. All UIS member countries are invited to deposit an object (max 0.5 l.) in this capsule. It will be a gift from the cavers of the present to the cavers of the future.

As explained by the project team, this time capsule will be sealed and shipped into the future for a period of 69 years. This duration is chosen symmetrically to the first international speleological congress, in Paris in 1953. Their [Facebook page](#) is open to follow the steps of this interesting project, which has already become an event in the International Year of Caves and Karst 2022.

As shown in the next image, the capsule will be located at the bottom of the Fitoja chamber at about -200 m. The fault that controls the location of this collapse chamber will be perfect for fixing the capsule.



Source: Cave Time Capsule 2091 Facebook Page



Source: Cave Time Capsule 2091 Facebook Page

Castner Ice Cave becomes major tourist attraction: “not a simple curiosity anymore”

adapted from an original article by Anchorage Daily News



Source: Anchorage Daily News

Most glaciers in Alaska are said to have some sort of cavity. Most of them could be said to be so similar, or different, that only a few enthusiasts would rather decide to spend some time visiting them than doing something else.

However, the Castner Ice Cave, which has been there for a long period of time, has rapidly increased the number of visitors. According to [Anchorage Daily News](#), some years ago only a few people would dare to visit a cavity which did not call the attention of amateur or professional cavers; but things have changed and hundreds of people can now be seen visiting one of the main to-do things in the region.

The reason seems to be related to weather conditions...and tour operators, who decided to publicize the place and have undoubtedly reached their goals.

Now, it is expected that tourists (and agencies) show respect for a place which is not used to the experimental arrival of visitors. This ice cave represents Mother Nature in all its glory, and it shall be there for “our pleasure and enjoyment”.

Articles of interest



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A Case Study on Supporting the Preservation, Valorization and Sustainability of Natural Heritage

Pervolarakis Z, Agapakis A, Zidianakis E, Katzourakis A, Evdemon T, Partarakis N, Zabulis X, Stephanidis C. A Case Study on Supporting the Preservation, Valorization and Sustainability of Natural Heritage. *Heritage*. 2022; 5(2):956-971. <https://doi.org/10.3390/heritage5020052>

[- Read the full article -](#)

Where Does Sustainability Stand in Underground Tourism? A Literature Review

Buonincontri P, Micera R, Murillo-Romero M, Pianese T. Where Does Sustainability Stand in Underground Tourism? A Literature Review. *Sustainability*. 2021; 13(22):12745. <https://doi.org/10.3390/su132212745>

[- Read the full article -](#)

Early Detection of Phototrophic Biofilms in the Polychrome Panel, El Castillo Cave, Spain

Jurado V, Gonzalez-Pimentel JL, Fernandez-Cortes A, Martin-Pozas T, Ontañón R, Palacio E, Hermosin B, Sanchez-Moral S, Saiz-Jimenez C. Early Detection of Phototrophic Biofilms in the Polychrome Panel, El Castillo Cave, Spain. *Applied Biosciences*. 2022; 1(1):40-63. <https://doi.org/10.3390/applbiosci1010003>

[- Read the full article -](#)

Use of Radon and CO₂ for the Identification and Analysis of Short-Term Fluctuations in the Ventilation of the Polychrome Room Inside the Altamira Cave

Sainz C, Fábrega J, Rábago D, Celaya S, Fernandez A, Fuente I, Fernandez E, Quindos J, Arteché JL, Quindos L. Use of Radon and CO₂ for the Identification and Analysis of Short-Term Fluctuations in the Ventilation of the Polychrome Room Inside the Altamira Cave. *International Journal of Environmental Research and Public Health*. 2022; 19(6):3662. <https://doi.org/10.3390/ijerph19063662>

[- Read the full article -](#)

A Preliminary Study of Radon Equilibrium Factor at a Tourist Cave in Okinawa, Japan

Yamada R, Tamakuma Y, Suzuki T, Nakasone S, Shiroma Y, Furukawa M, Hashimoto H, Hosoda M, Akata N, Tokonami S. A Preliminary Study of Radon Equilibrium Factor at a Tourist Cave in Okinawa, Japan. *Atmosphere*. 2021; 12(12):1648. <https://doi.org/10.3390/atmos12121648>

[- Read the full article -](#)

Latest publications



Thanks to the NCA and its Executive Director, **Bob Holt**, for bringing us the latest updates:

[Cave Talk: May 2022](#)

[Cave Talk: April 2022](#)

Learn more about the NCA on CAVERN.COM



Fédération Française
de Spéléologie

Don't miss the latest issue of **Spelunca** (FR) which is published every three months by the **Fédération Française de Spéléologie**.

[Find all FFS publications and order them!](#)

More about the **FFS** [HERE](#)



The **Union Internationale de Spéléologie** recently published the latest **UIS Bulletin (63-2)**. The most interesting contents in their latest publication deal with the **IYCK 2021 & 2022** and the **18th International Congress of Speleology 2022**. Don't forget to [follow the UIS on Facebook!](#)



Find the latest newsletters by the **European Speleological Federation (FSE)**.



Underground Symphony, by **Philippe Crochet** and **Annie Guiraud**, who share their passion for the underground world and photography. [Contact for details!](#)



Please, forward the above documents as widely as possible.

Share yours, too! Is there any other publication you would like to include?

Send it to juanjotiscar@i-s-c-a.org and we will publish your materials as soon as possible



What caves are these?



Photo: Bermuda.com

CAVE #21

Hint 1:

This cave is about 36m. (120 feet) below the ground level.

Hint 2:

It's located in Hamilton Parish, Bermuda.

CAVE #22

Hint #1:

It was opened in 1806!

Hint #2:

It's located in Palma de Mallorca, Spain.



Photo: Juanjo Tiscar (ISCA)

SEND YOUR ANSWERS

Can you guess the name and location of the caves above? Last month's:

Cave #19 was **Venado Caves (Costa Rica)**

Cave #20 was **Domaine des Grottes de Han (Belgium)**

Send your answers to juanjotiscar@i-s-c-a.org



ISCA Calendar

PLEASE NOTE

Some of these events may suffer variations.
You may contact the organization for confirmation.
Do you want to add or modify an event?
Contact us! juanjotiscar@i-s-c-a.org



2022 International Year of Caves and Karst

9th – 13th May, 2022 – 9th International Workshop on Ice Caves (Slovakia)

6th June – International Day of Tourist Caves and Subterranean World

9th – 28th June, 2022 - Spelaion Forum22

13th – 17th June, 2022 - NSS Convention 2022 (Rapid City, South Dakota)

15th June, 2022 - Science in the Underground – Speleology in Diaogue

22nd – 25th June, 2022 – EuroKarst 2022 (Malaga)

24th – 31st July, 2022 - 18th Int. Congress of Speleology

12th – 17th September, 2022 - Man and Karst 2022

22nd September – 1st October, 2022 – ISCA 9th Congress and NCA Convention (San Antonio, Texas)

19th – 23th October, 2022 – CUEVATUR 2022 (Pulpi, Almería, Spain)

8th – 10th November, 2022 – Int. Gift Exposition in the Smokies 2022 (Sevierville, Tennessee)

9th – 12th November, 2022 – Int. Gift Exposition in the Smokies 2022 (Pigeon Forge, Tennessee)

15th – 18th November, 2022 – IAAPA 2022 (Orlando, Florida)

2023...and more!

17th April, 2023 – International Bat Appreciation Day

6th June, 2023 – International Day of Tourist Caves and Subterranean World

14th – 17th November, 2023 – IAAPA (Orlando, Florida)

2023 – Cave Lighting Workshop

2023 – NCA Convention 2023 (Lake Shasta Caverns, Redding, California)

2023 – NSS Convention 2023 (Elkins, West Virginia)

2024 – NCA Convention 2024 (Niagara Cave, Harmony, Minnesota)

2025 – NCA Convention 2025 (Luray Caverns, Harrisonburg, Virginia)

Deadline!

If you would like to contribute in upcoming publications,
please send an e-mail **before June 25th, 2022**

 Contact: juanjotiscar@i-s-c-a.org



Links of interest



INTERNATIONAL SHOW CAVES ASSOCIATION



Would you like to be part of us? Join ISCA!



INTERNATIONAL SHOW CAVES ASSOCIATION

ISCA Membership Application

Not a member of the International Show Caves Association yet? We would be delighted to receive a **Membership Application** from you!

Visit [our website](#) and find out more about the **Membership Renewal form** and **Membership Application**.

Become an ISCA member now!

Francesca Serpentine

ISCA Secretary & Treasurer

Contact: iscasecretary@i-s-c-a.org

Join us and become an ISCA Member

Visit www.i-s-c-a.org for details.

There are many membership benefits!





INTERNATIONAL SHOW CAVES ASSOCIATION

ABOUT INTERNATIONAL SHOW CAVES ASSOCIATION

The [International Show Caves Association \(ISCA\)](#) was founded in 1990 and is headquartered in [Frasassi/Genga, Italy](#),

ISCA is an international organization of persons, associations, corporations, and government agencies who own, manage or operate [show caves](#) that are open to the public. ISCA provides a critical forum for show caves to network and collaborate on matters that pertain to their caves. ISCA aims to promote, encourage, and support the cooperation of show cave operators, speleologists and cave enthusiasts through the sharing of information and to promote the preservation and conservation of caves, while increasing public interest in the world of show caves by way of unique marketing and the evolution of methods to enhance the show cave experience.



Special thanks to

Jessie Treadwell, Winter D. Prosapio & Jamie Finney (Natural Bridge Caverns) and to everyone who collaborated.

Editor: Juan José Tíscar Moya – Contact: juanjotiscar@i-s-c-a.org

Issue: May & June 2022

