



19th INTERNATIONAL CONGRESS OF SPELEOLOGY

38^o Congresso Brasileiro de Espeleologia

60 Years of the UIS: History to the Future!

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

PROGRAM





**19th INTERNATIONAL
CONGRESS OF SPELEOLOGY**
38^o Congresso Brasileiro de Espeleologia

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

PROGRAM

19th INTERNATIONAL CONGRESS OF SPELEOLOGY

38^o Congresso Brasileiro de Espeleologia

20-27 July 2025 - Belo Horizonte, Minas Gerais, Brazil

PROGRAM

Produced by the Organizing Committee of the 19th International Congress of Speleology

Published by the Brazilian Speleological Society and the National Center for Cave Research and Conservation

Designed by Nivaldo Colzato

Printed in Brazil by Positiva Gráfica e Editora

© 2025 Brazilian Speleological Society, Campinas, Brazil

Individual Authors retain copyright over their work. All rights reserved.

No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or any datastorage or retrieval system without the express written permission of the Brazilian Speleological Society, Inc.

All drawings and maps are used with the permission of the Artists. Unauthorized use is strictly prohibited.

Cover photo:

Cave of Janelão, *Peruaçu Caves National Park - Januária/Itacarambi, MG, Brazil*

Author: Ataliba Coelho

Contents

19th ICS Officers and Organizing Committee	7
Welcome Organization	12-17
UIS President Nadja Zupan Hajna	13
SBE President Elizandra Goldoni Gomig	14
19 th ICS President José Ayrton Labegalini	15
19 th ICS Chairman Allan Silas Calux	16
19 th ICS Vice Chairman and CECAV Coordinator Jocy Brandão Cruz	17
The International Congresses of Speleology, the UIS, and the 19th ICS Organizers	18-24
The International Congresses of Speleology	19
The UIS	20
The SBE	22
The CECAV	24
The 19th ICS Sponsors and Supporters	25
General Local information	26-30
How to get the Congress premisses	27
Map of Belo Horizonte and region	27
Belo Horizonte, the host city	28
Tourist map of the center of Belo Horizonte	29
Interesting places to visit in Belo Horizonte	30
Congress Facilities and Services	32-39
The 19 th ICS Venue	33
Map of first floor	34
Map of second floor	35
Map of third floor	36
Main Facilities and Services	37
Registration Desk	37
Information Desk	37
Internet Connection	37
Media Desk	37
Message Board	37
Medical Services	37
Travel Agent	37
Lost and Found	37
Charging Batteries and Devices	37
SpeleoBar	37
Food at the Congress Venue	37
Kids' Area	37

Parking	37
Pets	38
Smoking and Trash	38
Alcohol	38
General Congress Information	38
Origin of the 19 th ICS	38
The 19 th ICS official languages	38
The Congress Officials	38
Identification Badge	38
Transportation	38
Taxi and App Services	38
Driving in Brazil	38
Payment in Cash	38
Current Exchange	38
Tipping	38
Green Congress	39
Important information about caves in Brazil	39
Program Updates and Changes	39
Congress Activities	40-80
Week-Long activities	41
Opening Ceremony	41
Sessions and Symposia	41
Technical-Scientific Posters	41
UIS General Assembly	41
SBE General Assembly	41
UIS Bureau Meetings	41
UIS Commissions and Working Groups Meetings	41
Evening Celebrations	41
Awards Evenings	42
Cultural and Family Trips	42
Photo Salon	42
Cartographic Salon	42
SpeleMedia	42
3D Show	41
SpeleOlympics	42
SpeleoKids	43
Cave Art Salon (SpeleoArt)	43
Thematic Exhibitions at the Venue	45
Casa Italia	45
Diversity - in caves and in life	45
SpeleoMedit	45

UIS: 60 Years of History	45
A Representative Sample of the Biodiversity found in Brazilian Caves ..	46
Lights in the Darkness	46
Michel Le Bret-The Pioneer of Brazilian Speleology	46
Caves of Peruaçu	46
CECAV and SBE Space Program	47
Technical-Scientific Program	49
Plenary Lectures	49
List of Sessions and Special Sessions	50
Timetable of Symposia	51
Symposium on Caves in Ferruginous Rocks	51
Symposium on Karst Geology	52
Symposium on Quiroptero fauna	53
Symposium on Subterranean Biology	54
Symposium on Protection and Management of Caves and Karst Environments	55
Symposium on Cave Paleontology	56
Timetable of Oral Presentations	57
Monday, July 21, 2025	57
Tuesday, July 22, 2025	61
Thursday, July 24, 2025	65
Friday, July 25, 2025	68
Saturday, July 26, 2025	71
List of Posters	72
Poster presentation on Tuesday, July 22	72
Poster presentation on Thursday, July 24	77
Congress Schedule	81-100
Congress Program Overview	82
Congress Daily Schedule	84
Monday, July 21, 2025	85
Tuesday, July 22, 2025	88
Thursday, July 24, 2025	92
Friday, July 25, 2025	96
Saturday, July 26, 2025	100
Excursions	103
Wednesday Trips	104



19th INTERNATIONAL CONGRESS OF SPELEOLOGY

38^o Congresso Brasileiro de Espeleologia

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

OFFICERS AND ORGANIZING COMMITTEE



19th INTERNATIONAL CONGRESS OF SPELEOLOGY

38^o Congresso Brasileiro de Espeleologia

20-27 July 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

ORGANIZING COMMITTEE

President	José Ayrton LABEGALINI
Chairman	Allan CALUX
Vice Chairman	Jocy Brandão CRUZ
Secretary General	Amanda Jevaux da S. de SOUSA
Treasurer	Paulo ARENAS
UIS Representative	Nivaldo COLZATO
SBE Representative	Elizandra Goldoni GOMIG
Scientific Coordinator	Rodrigo Lopes FERREIRA



UIS BUREAU 2022-2025

President	Nadja ZUPAN HAJNA (<i>Slovenia</i>)
Chairman	Zdeněk MOTYČKA (<i>Czech Republic</i>)
Vice Chairman	Nivaldo COLZATO (<i>Brazil</i>)
Secretary General	Johannes MATTES (<i>Austria</i>)
Treasurer	Mladen GARAŠIĆ (<i>Croatia</i>)
Adjunct Secretaries	José María CALAFORRA (<i>Spain</i>) Gerard CAMPION (<i>UK</i>) Marc MENTENS (<i>Belgium</i>) Mario PARISE (<i>Italy</i>) Patricia SEISER (<i>USA</i>) Nathalia Vanessa UASAPUD ENRÍQUEZ (<i>Colombia</i>) Bärbel VOGEL (<i>Germany</i>)



SBE BUREAU 2023-2025

President	Elizandra Goldoni GOMIG
Vice President	Tatiane Monteiro DA SILVA
1 st Secretary General	Kelly Sandra Ramos SANTOS SILVA
2 nd Secretary General	Cláudia de Cássia PESSOA
1 st Treasurer	Pâmela Lima do Carmo SAVIATO
2 nd Treasurer	Therys Midori SATO



ICMBio/CECAV BUREAU

Coordinator	Jocy Brandão CRUZ
Substitute Coordinator	Diego de Medeiros BENTO

WEDNESDAY TRIPS

ITINERARY	COORDINATOR
WT-01 - City tour in Belo Horizonte	MAAC Travel Agency
WT-02 - Cultural Complex of the Liberty Square (in BH)	MAAC Travel Agency
WT-03 - Architectural Complex of Pampulha and the Mineirão Stadium (in BH)	MAAC Travel Agency
WT-04 - Park of Mangabeiras and trip to the Outlying Rola Moça Mountain Range (in BH)	MAAC Travel Agency
WT-05 - Caves in the Ferruginous Rock of the Quadrilátero Ferrífero (40 km)	Luciano Faria
WT-06 - Sumidouro Lagoon and Lapinha Show Cave in Lagoa Santa (40 km)	MAAC Travel Agency
WT-07 - Lapa de Cerca Grande Archeological Site in Matozinhos (60 km)	Luiz E. P. Travassos
WT-08 - Inhotim - the Largest Open-Air Museum in the World in Brumadinho (60 km)	MAAC Travel Agency
WT-09 - Aleijadinho Sculptural Complex in Congonhas (80 km)	MAAC Travel Agency
WT-10 - Cave of Igreja and Ouro Branco Mountain Range (90 km)	SEE - Marcelo Taylor
WT-11 - The Colonial Baroque in Ouro Preto (100 km)	MAAC Travel Agency
WT-12 - Gold Mines and Museums in Ouro Preto (100 km)	SEE - Giulio Pacheco Belga
WT-13 - Serra do Cipó National Park in Santana do Riacho (100 km)	MAAC Travel Agency
WT-14 - Kiwa Cave, Itacolomi State Park (100 km)	SEE - Maira Mendes Ferreira
WT-15 - Gogô Archeological Site and the Gold Mine of Passagem in Mariana (120 km)	Bruno Aguiar e Fernando Frigo
WT-16 - Show Caves of Rei do Mato in Sete Lagoas and of Maquiné in Cordisburgo (120 km)	MAAC Travel Agency

PRE- AND POST CONGRESS TRIPS

ITINERARY	COORDINATOR
POST 01 - Canyons of Aparados da Serra and Caves Excavated by Extinct Megafauna (SC and RS)	Thomas Artur Hecke
PRE & POST 02 - Tourism Management of the Caves in the Southern Brazil (SC, PR, and SP)	Gisele Cristina Sessegolo
PRE & POST 03 - Sandstones of the Ponta Grossa Region (PR)	Karin Linete Hornes
PRE & POST 04 - Speleological Tourism in the Ribeira Valley (SP)	José. A. B. Scaleante
PRE & POST 05 - Caves Through in the Ribeira Valley (SP)	Tom Morita
PRE & POST 06 - Retracing the 19th Century Cave Explorations of Danish Peter W. Lund (MG)	Luciano Emerich Faria
PRE 07 - Show Caves and Historic Cities of Minas Gerais (MG)	Mariana Barbosa Timo
POST 08 - Caves in Quartzite in the Ibitipoca Mountain Range (MG)	Heitor Cintra
PRE & POST 09 - Speleology and Archeology in the Peruaçu Valley (MG)	Carlos Leonardo Giunco (Léo)
PRE & POST 10 - Springs of the Rio Vermelho Environmental Protection Area (GO)	Bernardo Menegale
PRE 11 - Terra Ronca Complex and Caves of Goiás (GO)	Newton Castilho Lavoyer
PRE & POST 12 - Long Caves Through in São Domingos (GO)	Marcelo Peregrino
PRE & POST 13 - Bodoquena Mountain Range and the Pantanal (MS)	Lívia Cordeiro
PRE & POST 14 - Cave Diving in Bonito and Trip to Pantanal (MS)	Lívia Cordeiro
PRE & POST 15 - Sandstone Caves in the Chapada dos Guimarães region (MT)	Júlio Linhares and Natally A. C. Neves
PRE & POST 16 - Caves and Geodiversity in the South of Chapada Diamantina (BA)	Élvis Barbosa
POST 17 - Caves and Karst of the Chapada Diamantina (BA)	Ricardo Fraga and Fernando V. Laureano
PRE & POST 18 - Cave Diving in the Chapada Diamantina (BA)	Joffer Fernandes
POST 19 - The Longest Caves of Central-North of Bahia (BA)	Rodrigo Lopes Ferreira (Drops)
PRE & POST 20 - Serra da Capivara National Park (PI)	Paulo Simões (Paulão)
PRE & POST 21 - Chapada de Ibiapaba, Sete Cidades, and the Beaches of Jericoacoara (CE and PI)	César Veríssimo
PRE & POST 22 - The Amazon Forest and the Caves in Ferruginous Rocks in Carajás (PA)	Eloá Oliveira
PRE & POST 23 - Sandstone Caves, Igapós, and Igarapés of Amazonas (AM)	Nathasha Monteiro
POST 24 - From a Sea to the Semi-Desert of the Sertão (RN)	Diego de Medeiros Bento
PRE 25 - Geospeleology of the São Desidério Karst (BA)	Lucas Padoan de Sá Godinho (Rejeito)

TECHNICAL-SCIENTIFIC COMMITTEE

General Coordinators: Dr. Rodrigo Lopes Ferreira and Dr. Allan Calux

Alex Hubbe	Elizandra Goldoni Gomig	José G. Palacios Vargas	Paolo Forti
András Hegedüs	Enrico Bernard	José-Maria Calaforra	Patricia Kambesis
André Strauss	Friedrich Oedl	Lívia Medeiros	Paul Williams
Annette Summers	Giselle Utida	Lucas Padoan de Sá Godinho	Pedro Henrique Mendes Carvalho
Bogdan P. Onac	Gyula Hegedüs	Luciana Alt	Philipp Häuselmann
Boris Watz	Hernani Mota de Lima	Marconi Souza Silva	Rafaela Bastos Pietrobon
Bulat Mavlyudov	Jan Urban	Maria Alejandra Perez	Rodrigo Severo
Carlos Grohmann	Jean Claude Thies	Mário Dantas	Simone Devus
Christiane Donato	Jocy Cruz	Mario Parise	Taraneh Khaleghi
Daniel Menin	Joel Rodet	Nadja Zupan Hajna	Valdir Felipe Novello
Daivisson Batista Santos	John Brush	Natalia Morata	Vitor Moura
Diego Bento	Jordana Ribeiro	Natalie Uomini	
Donald McFarlane	José Antônio Ferrari	Nathalia Uasapud Henríquez	

PAPER EVALUATORS

Alessandra Vasconcelos	Franck Junod	Luc Willems
Alexandra Figueiredo	Franco Urbani	Luca Antonio Dimuccio
Aline Ghilardi	Franziska Lechleitner	Luciana Prado
Allan Calux	Gaspar González	Luis Mejía Ortiz
Amos Frumkin	George Veni	Luiz Afonso Vaz de Figueiredo
Anamaria Häuselmann	Gergely Balazs	Luiz Eduardo Panisset Travassos
André Gomide	Gheorghe Ponta	Manuela Correa Pereira
Andrzej Tyc	Giovanna Monticelli	Marco Vattano
Ángel Fernández Cortés	Gisele Sessegolo	Marcus Paulo de Oliveira
Biswajeet Pradhan	Grazielle Nascimento Silva	Margarita Ojeda Carrasco
Boaz Zissu	Gregory Middleton	Maria Augusta Bacellar
Bruno Lartiges	Gustavo Soares de Araujo	Maria Conceição S. Meneses Lage
Cameron Wet	Heleno dos Santos Macedo	Maria Jacqueline Rodet
Carla Galeazzi	Isabella Nicole Pisoni	Mariana Barbosa Timo
Carlo Germani	Isabella Serena Liso	Mario Parise
Carole Nehme	Ivanna Bustos	Martin Dixon
Carolina Scherer	James Baldini	Mathias Vuille
Chris Groves	Janaina Carla dos Santos	Michael Gally
Christoph Spötl	Janaina Carla dos Santos	Michael Ray Taylor
Claudio Cruz	Jason Gulley	Michal Filippi
Dana Riechelmann	Jean-Philip Brugal	Michal Gradzinski
Dante Ernesto Salomo Suarez	Jean-Pierre Bartholeyns	Michel Philips
Darryl Granger	Jim Kennedy	Mick Sutton
David Labat	Jiri Adamovic	Mirian Liza Alves Forancelli Pacheco
Débora Moreira de Oliveira Moura	Jo de Waele	Mykah Carden
Diego Bento	Joan J. Fornos	Mylene Berbert-Born
Dorothy Vesper	João V. L. Cavalcante de Oliveira	Natalie Uomini
Douglas Zeppelini Filho	Joel Despain	Nicolás M. Stríkis
Edvard Dias Magalhães	Joffer Fernandes	Oana Moldovan
Eliane Chim	John Gunn	Paulo Galvão
Elver Luiz Maier	José Luis Bortolini Rosales	Paulo Rodrigo Simões
Elvis Pereira Barbosa	Juan B. Morales Malacara	Pavel Bella
Fabrizio Nestola	Julia James	Philippe Audra
Ferdinando Didonna	Kai Bosworth	Philippe Brunet
Ferenc Forray	Katherine Schmid	Phillipe Fosse
Fernanda Quaglio	Kevin Bingham	Priscila Christina Borges Dias Randow
Fernando Gazquez	Leandro Maciel	Rachel Bosch
Fernando Laureano Verassani	Lee Anne Bledsoe	Raoni Araújo
Fernando Morais	Lee Florea	Ricardo Fraga
Filip Duszynski	Lívia Medeiros	Rick Toomey
Francisco Giutierrez Santolalla	Liz Reed	Roberto Bixio
Francisco Sauro	Loeta Tyree	Rubens Hardt
Franck Bréhier	Luana Pereira Lima	Rudolf Pavuza

Saul Hartman Riffel
Sebastian Breitenbach
Sílvia Alves Peixoto
Simone Bernardini
Sindiany Suelen Caduda dos Santos
Soledad Cuezva
Stefan Vasile
Stefano Fabbri

Stein-Erik Lauritzen
Stephan Kempe
Stephane Jaillet
Tamara Gonzalez Duran
Thaís Giovannini Pellegrini
Todrigo Antônio Castro Souza
Tudor Tamas
Val Hildreth-Werker
Victor Polyak

Willamy Saboia de Amorim
William Elliot
William Sallum Filho
Willians Lourenço Porto
Xianfeng Wang
Yakolén Tepebasi
Yuri Dublyansky
Yuri Popov
Yzila Liziane Farias Maia de Araújo

SPELEOLYMPICS

Planned and Executed by the SBE Cave Rescue Section (SER)

Coordinator: Bernardo Menegale Bianchetti

Adolpho Milhomem Januário
Alberto Barioni
Aléxia Murgi Leonardo
Anderson Roberto Soares Porto
Beatriz Pereira do Valle
Carlos Eduardo Rosa Gobo
Carlos Roberto Aquino Caetano
Cintia Valeria Moreira Gobo
Daniel Rodrigues da Luz
Deyvison Bonfim Ribeiro
Diego Leandro Ferreira
Edson Bastos e Santos
Eliane Ferreira Campos Vieira
Fernanda Carvalho Caldeira
Francielle Dos santos Satiro

Gabriel Jose Rolim Manzini
Giovana Batista Soares
Glauber Fajardo
Guilherme Pompermayer Martins
Jaqueline de Almeida Samila
Kariel Alexander Coêlho de Araujo
Leandro Márcio Duarte Maciel
Leonardo Garcia Rodrigues
Marcello Cyrillo Vazzoler
Marcos Eugênio Silva Abrantes
Maria Augusta Bacellar de Souza Costa
Maricélio de Medeiros Guimarães
Milena Ribeiro Mendes
Pedro Diniz Fram Ferraz Henriques
Pedro Raphael Ribeiro Pereira

Platini Davila Soares
Rafael Costa Cardoso
Rafael Juan Diego de Camargo Moreira
Raphael Ribeiro Corrêa
Renan Pereira Lima
Rodrigo Severo
Samuel Fernandes da Costa Neto
Simone Devus
Tiago Ribeiro dos Anjos
Tiago Vinicius Sato Neves Moraes
Vinicius Expedito de Brito e Silva
Vitor Marchini Rolisola
Willamy Saboia de Amorim
Williams Paredes Munguia
Yasmin da Silva Barros

TREASURY

Coordinator: Paulo Arenas

Gustavo Soares de Araujo
Regiane Kelly Moreira
Pâmela Lima do Carmo Saviato

CAVE PHOTO SALON

Coordinator: Alexandre Lobo

Alexandre Socci
Dhâmalá Francine Gonçalves Santos
Gisele Neves Catarino
Jonas Eduardo Gallão
Rui Rezende
Tarciso Albuquerque

CARTOGRAPHIC SALON

Coordinator: Ricardo Martinelli

Alessandra Ferreira Gonçalves Martinelli
Bernard Lips
Gabriela Slavec
Maria Aparecida de Souza
Milene Cristina da Costa Vale
Victor Ferrer

SPELEOART

Coordinator: Rafael Balestrieri

Gabriele Vidolin dos Santos
Luciano Emerich Faria
Taraneh Khalegui

SPELEMEDIA

Coordinator: Leda Zogbi

Amanda Garcia
Boris Watz
Philippe Crochet
Gabriela Urban Pessoa
Kevin Downey
Paola Prestes
Tom Dias Motta Morita

SPELEOKIDS

Coordinator:

Mariana Barbosa Tino

Aline Reis
Amanda Cardoso
Ananda Cordovil
Bruna Oliveira
Carla Pereira
Dayana Torres
Guilherme Pompermayer
Luiz Afonso Vaz de Figueiredo
Marcelo Taylor
Olimpia Prado
Teresa Maria Franca Muniz de Aragão
Vanessa Veloso
Vitor Caetano Lumumba

COMMUNICATION

Coordinator: Camila Casella

GENERAL STAFF

Coordinators:

Saul Harmann Riffel
Elizandra Goldoni Gomig

Bruno Kramer
Diemison Ladislau de Alencar
Enée Pereira Gottschalk Morais
Juliana Bortone
Marcos Xavier
Tarcísio Erundino Silva



19th INTERNATIONAL CONGRESS OF SPELEOLOGY

38^o Congresso Brasileiro de Espeleologia

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

WELCOME ORGANIZATION



Union Internationale
de Spéléologie

Prof. Dr. Nadja Zupan Hajna

UIS President

ZRC SAZU Karst Research Institute

Titov trg 2 - 6230 Postojna, Slovenia

Phone office: +386 5 700 1937

E-mail: zupan@zrc-sazu.si

Dear colleagues, friends, and all speleologists,

It is with great pleasure that I welcome you to the 19th International Congress of Speleology in Belo Horizonte, Brazil. This Congress marks the 60th anniversary of the International Union of Speleology (UIS)—a meaningful milestone that celebrates our community’s enduring dedication to the exploration, study, and protection of caves and karst systems worldwide.

In today’s world, marked by geopolitical instability, environmental crises, and ongoing conflicts, speleology continues to be a field that transcends borders and builds bridges. The UIS remains committed to fostering collaboration and friendship among nations and individuals alike, grounded in our shared passion for the underground world. The Congress offers a unique opportunity to come together, exchange knowledge and experience, and strengthen both scientific partnerships and personal ties across continents.

As we celebrate 60 years of the UIS, we also look forward to the future. One of our major ongoing initiatives is the proposal for the establishment of the International Day of Caves and Karst (IDCK) under the auspices of UNESCO. We are hopeful that this global recognition will be formally adopted this November, raising awareness of the importance of caves and karst and supporting their conservation at an international level.

I extend my sincere gratitude to the Brazilian Speleological Society (SBE), the National Center for Research and Conservation of Caves (CECAV), and the entire Organizing Committee for their dedication and effort in preparing this event. Their work ensures a dynamic, inclusive, and enriching experience for all participants.

May this Congress inspire new discoveries, advance scientific and conservation efforts, and above all, reinforce our sense of global community—united through speleology.

A handwritten signature in blue ink, appearing to read 'Nadja Hajna', is written in a cursive style.

Prof. Dr. Nadja Zupan Hajna

UIS President

Union Internationale de Spéléologie • Founded in 1965
Titov trg 2 - 6230, Postojna – Slovenia • www.uis-speleo.org



Brazilian Speleological Society

Founded in 01/11/1969

Recognized as Public Utility
State Decree N.º 21.170 from 18/08/1983 - São Paulo
CNPJ 52.168.481/0001-42
www.sbe.com.br sbe@sbe.com.br



Dear friends,

It is with great joy and satisfaction that we welcome the entire speleological community from Brazil and around the world to the 19th International Congress of Speleology (ICS) and the 38th Brazilian Congress of Speleology (CBE), taking place from July 20 to 27, 2025, in Belo Horizonte, Minas Gerais. This event, held under the auspices of the International Union of Speleology, will be especially significant as it also commemorates the 60th anniversary of the organization.

The hosting of this congress in Brazil is the result of the dedicated efforts of the Brazilian Speleological Society (SBE), an institution that has, for decades, brought together groups and individuals committed to the exploration, research, and conservation of Brazilian caves.

SBE is a Civil Society Organization of Public Interest (Oscip) that operates nationally in the defense of karst environments, promoting and disseminating knowledge about Brazil's vast and valuable speleological heritage, while highlighting its social, environmental, and scientific importance.

We extend our heartfelt thanks to all speleologists, researchers, explorers, conservationists, and enthusiasts who are joining us for this historic occasion. This will be a unique opportunity for knowledge exchange, network strengthening, and, above all, the celebration of the shared passion that unites us: the underground world of caves.

We warmly welcome you to Brazil and to the 19th ICS in Belo Horizonte!

Elizandra Goldoni Gomig

SBE President



19th International Congress of Speleology
38^o Congresso Brasileiro de Espeleologia
60 Years of the UIS: History to the Future

Dear friends,

This is the second time in the history of the International Union of Speleology (UIS) and the Brazilian Speleological Society (SBE) that a UIS International Congress of Speleology (ICS) also hosts an SBE Congress. The first time was in Brasília, DF, in 2001, with the 13th ICS held jointly with the 26th Brazilian Congress of Speleology (CBE). The second is held in Belo Horizonte, Minas Gerais, from July 20 to 27, 2025, with the 19th ICS held in conjunction with the 38th CBE, including the major celebration of the 60th anniversary of the UIS.

In 2001, both SBE and UIS—and even speleology itself—were relatively unknown to the international community, while the National Center for Cave Research and Conservation (CECAV) was still an emerging government body (founded in 1996 at the suggestion of the SBE). However, the situation has changed dramatically after more than two decades of hard work and dedication. In 2025, the speleological associations—and speleology itself—reflect an entirely different reality.

At the Brazilian level, the number of known and registered caves has quadrupled, the SBE has gained international recognition, and CECAV has established itself as the main body responsible for the conservation of the Brazilian speleological heritage; it has stood out for promoting research, implementing management and conservation actions, and supporting speleological activities—including the Brazilian Congresses of Speleology and this 19th ICS 2025.

At the international stage the UIS has modernized, updated its foundational documents—especially its Statutes and Internal Regulations—and created new ones. The organization embraced the digital era, managed to recover much of its history and summarized it in two publications (books “*FIFTY YEARS OF THE UIS 1965–2015*,” and “*SIXTY YEARS OF THE UIS-1965-2025*”); produced printed materials that bridge the gap between policy-makers and speleological scientists (book “*KARST, CAVES AND PEOPLE*”); in cooperation with the International Union for Conservation of Nature (IUCN), it released the second edition of the *GUIDELINES FOR CAVE AND KARST PROTECTION*, whose main guidelines have already been translated into 32 languages; with formal support from UNESCO, the UIS promoted the popularization of speleology through the International Year of Caves and Karst 2021–2022 (IYCK), a global initiative that recorded 1,491 events worldwide; in 2024, the UIS was accepted as a Category 1 member of the International Science Council (ISC), joining the select group of ten international organizations that make up the GeoUnion (GU).

So many changes and accomplishments have only been possible thanks to the participation of countless individuals—most of them volunteers, others as professionals and/or scientists, many as visionaries, and a great number simply as passionate lovers of caves and karst.

Here, I offer my sincere gratitude to these intrepid and courageous men and women who look to the future and spare no effort to improve the environments in which they operate—whether within the SBE, CECAV, UIS, the organization of the 19th ICS, as well as the exhibition highlighting the work and history of the UIS, which is being held for the first time during an ICS.

José Ayrton Labegalini

President, 19th International Congress of Speleology
Past President, International Union of Speleology
Past President, Brazilian Speleological Society

BeFly Minascentro - Belo Horizonte - MG - Brazil - July 20-27 2025 - www.speleo2025.org



Dear Friends,

It is with great joy and enthusiasm that we welcome you to the 19th International Congress of Speleology and 38^o Congresso Brasileiro de Espeleologia. This event marks a historic moment, bringing together around 1,200 participants from nearly 60 countries, including scientists, technicians, cavers, and speleology enthusiasts—all united by a shared fascination for the subterranean world.

This congress is particularly significant as we celebrate the 60th anniversary of the International Union of Speleology (UIS), six decades dedicated to the study, conservation, and promotion of the wonders of caves. Brazil, with its rich speleological heritage and unique biodiversity, provides the perfect setting for this milestone.

Our country is at the forefront of environmental legislation, and currently, Brazilian speleological laws are under review, making this congress especially relevant for discussions on public policies, conservation, and the sustainable future of caves worldwide.

We know that many challenges were overcome to reach this point, but our determination to provide everyone with a rewarding, collaborative, and inspiring event has been our driving force. Together, through the exchange of knowledge and experiences, we can further advance the protection and understanding of these extraordinary ecosystems.

May this week be filled with discoveries, learning, and connections, celebrating not only science but also the passion that unites us. We wish you all a productive and unforgettable congress!

Welcome to Brazil!

Sincerely,

Dr. Allan Calux

Chairman, 19th International Congress of Speleology



This year, the National Center for Research and Conservation of Caves (ICMBio/CECAV) has the honor of joining the organizing committee of the 19th International Congress of Speleology. Alongside all the institutions involved, we are moving steadily toward important milestones and achievements for science and for the conservation of our subterranean biodiversity.

In Brazil, where more than 29,000 natural underground cavities are currently registered—with great potential for even higher numbers—ICMBio/Cecav has established itself as the leading manager of the country's speleological heritage. At this event, in addition to the exchange of ideas and knowledge, we also celebrate 28 years of a long journey, recognizing the work carried out in partnership with various institutions, researchers, public servants, and society.

Over nearly three decades, Cecav has played a leading role in the research and conservation of Brazil's speleological heritage, promoting knowledge, effective management, and the appreciation of caves. Grounded in science and institutional cooperation, the Center has become the main governmental interlocutor, ensuring the protection of speleological heritage while tackling the challenges of development. In this context, it has contributed to building a meaningful legacy for Brazil's environmental history, especially through ongoing projects such as the National Action Plan for the Conservation of Speleological Heritage – *PAN Cavernas do Brasil*, the Annual Inventory of Brazilian Speleological Heritage, and several projects implemented under Speleological Compensation Commitment Agreements.

Among all the joint initiatives, we highlight the partnership between ICMBio/Cecav and the Brazilian Speleological Society (SBE) in organizing the Brazilian Congresses of Speleology. This collaboration began with the 35th CBE in 2019, resulting in three jointly held editions, and will continue with the 38th CBE, which will be part of the 19th International Congress of Speleology. Additionally, this partnership is also responsible for the Michel Le Bret National Speleology Award, which will celebrate its third edition during the congress. It will be a single and grand event, bringing together the national and international speleological community around technical and scientific discussions focused on the protection and understanding of Brazilian speleological heritage.

Hosting the ICS for the second time marks another significant milestone for all speleologists and researchers committed to the pursuit of knowledge and the protection of our underground treasures. The national and international speleological communities will find in our country fertile ground for planting ideas that will undoubtedly flourish and be celebrated in future gatherings.

May this congress be a memorable one, and may Minas Gerais become the starting point for even more promising initiatives in the conservation of the world's speleological heritage.

A handwritten signature in blue ink, appearing to read 'Jocy Brandão Cruz', is positioned above the printed name.

Jocy Brandão Cruz

*Vice Chairman, 19th International Congress of Speleology
Coordinator, National Center for Cave Research and Conservation*



**19th INTERNATIONAL
CONGRESS OF SPELEOLOGY**
38^o Congresso Brasileiro de Espeleologia

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

**THE
INTERNATIONAL
CONGRESSES OF
SPELEOLOGY, THE UIS,
AND THE 19th ICS
ORGANIZERS**

THE INTERNATIONAL CONGRESSES OF SPELEOLOGY

ORIGIN OF THE ICS

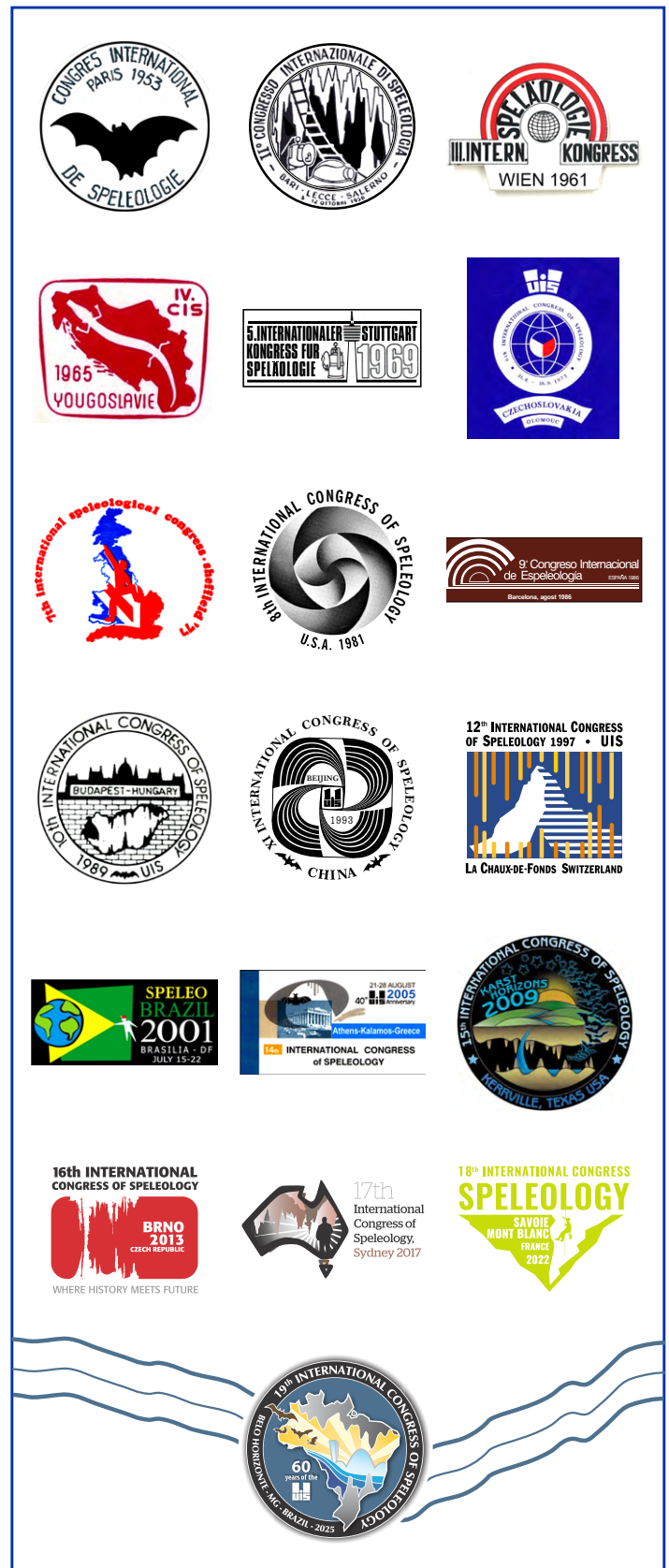
In the mid-1900s, the international speleological community, mostly Europeans, had the idea of holding international speleological congresses. The first one was held in Paris, France, in 1953.

Since then, International Speleological Congresses (ICS) have been held in Italy (*Bari, 1958*), Austria (*Vienna, 1961*), Yugoslavia (*Postojna, 1965*), when the UIS was founded and, since then, has taken over the organization of the ICSs every four years in West Germany (*Stuttgart, 1969*), Czechoslovakia (*Olomouc, 1973*), Great Britain (*Sheffield, 1977*), United States (*Bowling Green, 1981*), Spain (*Barcelona, 1986*), Hungary (*Budapest, 1989*), China (*Beijing, 1993*), Switzerland (*La Chaux-de-Fonds, 1997*), Brazil (*Brasilia, 2001*), Greece (*Kalamos, 2005*), United States (*Kerrville, 2009*), Czech Republic (*Brno, 2013*), Australia (*Sydney, 2017*), France (*Le Bourget-du-Lac, 2022*), and in Brazil (*Belo Horizonte, 2025*).

In these congresses, papers on the various facets of speleology are presented, including scientific topics such as geology, hydrogeology, mineralogy, biology, climatology, archaeology, paleontology, geography, and therapy, as well as on technical work (exploration, survey, rescue, new techniques, documentation) and cultural themes (religion, art, music, painting, sculpture, and the collection of stamps, coins, flyers, and other souvenirs).

In addition to the formal presentation of papers, these congresses schedule meetings of the many UIS Commissions. Opportunities are also provided for the exchange of ideas and participation in various cultural activities, such as social gatherings, competitions including cave photography and speleolympics, technical visits, as well as excursions before, during, and after the congress to visit the karst and caves of the host country.

Over 21,000 pages of valuable information are available in the congress's Proceedings. The 19th ICS is proud to add 439 more papers to this relevant collection.



The logos of the eighteen ICS held from 1953 to 2022, and the 19th one. All proceedings are available on the UIS website.



Union Internationale
de Spéléologie

At the 3rd International Congress of Speleology (ICS) in 1961, speleologists proposed the creation of an international body to unite scientists, cave explorers, and enthusiasts worldwide and to coordinate their activities. This initiative led to the founding of the UIS on 16 September 1965, during the 4th ICS in Ljubljana.

According to its Statutes, the UIS is a non-profit, non-governmental scientific organization that fosters collaboration among individuals from a wide range of countries. It seeks to promote and coordinate research, exploration, conservation, and related cultural, social, and economic activities connected to caves and karst.



Building where the UIS Library is located in La Chaux-des-Fonds, Switzerland.

STRUCTURE

The UIS is governed by the Bureau, which consists of an Executive Committee—comprising the President, two Vice Presidents, Secretary General, and Treasurer—alongside seven Adjunct Secretaries. Each member must represent a different country. Bureau members are elected during the General Assemblies, held in conjunction with the International Congresses of Speleology. The Bureau is supported by an Advisory Committee, composed primarily of former presidents and other past officers.

To foster the scientific and methodological advancement of the field, the UIS currently oversees 20 Commissions and 12 Sub-Commissions dedicated to specific areas of interest. To integrate the outcomes of speleological activities from across its member countries, the UIS maintains a Documentation Centre in La Chaux-de-Fonds, Switzerland, in cooperation with the Swiss Speleological Society, and provides access to key resources online via the Karst Information Portal.

The Bureau plays a central role in shaping the direction of the UIS, with policies developed during its regular meetings and during the General Assemblies. The General Assembly, composed of delegates from member countries, holds ultimate decision-making authority. It approves major proposals from the Bureau, reviews Commission reports, evaluates the organization's finances, adopts or amends foundational documents, admits new member countries, elects Bureau members, and selects the host nation for upcoming congresses.



Headquarters of the Karst Research Institute in Postojna, Slovenia, where the offices of the UIS are located. On the right, the bronze plaque with the emblem of the UIS affixed below the name of the institute.



PRESENT SITUATION

At present, the UIS has 57 member countries spanning all inhabited continents and remains open to the affiliation of national associations and federations worldwide.

The UIS supports the dissemination of knowledge through several publications. It publishes the *International Journal of Speleology* (via the University of South Florida) and the *UIS Bulletin*, which provides updates and news from the Union. In addition, the Bibliographic Commission produces *Speleological Abstracts*, an annual compilation of references to speleological literature. The *Karst Information Portal* offers open access to many of these publications online.

The UIS also maintains a comprehensive website—www.uis-speleo.org—which provides access to official documents, publications, information on member countries and commissions, and speleological contacts across the globe. Since July 2002, the UIS offices have been located at Titov trg 2, 6230 Postojna, Slovenia, in premises provided by the Slovenian government through the Institute of Karst Research of the Slovenian Academy of Sciences and Arts. The UIS archives are housed at this location.

INVITATION

If you are a speleologist—whether a scientist, an explorer, or simply someone who appreciates caves—consider contacting the UIS and encouraging your speleological group to connect with your country's national federation or society. Urge your group to join the UIS, and encourage your national association or federation to become a member, enabling it to send a

delegate and vote at the General Assembly. Help the UIS grow and promote truly international speleology—whether by developing new techniques, exploring uncharted caves, advancing theoretical knowledge, practicing sustainable cave tourism, preserving natural heritage, publishing findings, or supporting the sustainable development of caves and karst areas.

Continue to enjoy your activities as you always have, but share your work with the international community through the support and framework of the UIS.

MAIN PUBLICATIONS

The main publications of the UIS are:



International
Journal of
Speleology

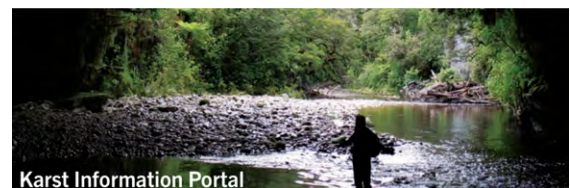


PHOTO BY JOSÉ ANTON LABEALINI

The UIS officers in July 31st, 2022, in Le Bourget-du-Lac, France, just after being elected by the General Assembly for the 3-year period from 2022–2025:

LEFT TO RIGHT: José María CALAFORRA (Adjunct Secretary/Spain); Patricia SEISER (Adjunct Secretary/USA); Mario PARISE (Adjunct Secretary/Italy); Johannes MATTES (Secretary General/Austria); Mladen GARAŠIĆ (Treasurer/Croatia); Gerard CAMPION (Adjunct Secretary/UK); Zdeněk MOTYČKA (Vice-President of Administration/Czech Republic); Nadja ZUPAN HAJNA (President/Slovenia); Bärbel VOGEL (Adjunct Secretary/Germany); Nivaldo COLZATO (Vice-President of Operations/Brazil); Nathalia Vanessa UASAPUD ENRÍQUEZ (Adjunct Secretary/Colombia); and Marc MENTENS (Adjunct Secretary/Philippines).

THE 19th ICS ORGANIZERS

THE SBE



**Brazilian
Speleological
Society**

The Brazilian Speleological Society (SBE) was founded on November 1st, 1969, in the city of Ouro Preto, Minas Gerais (MG), during the 4th Brazilian Congress of Speleology (CBE). Its first

president was Michel Le Bret (a French speleologist living in Brazil at that time), to whom Pierre Martin and Guy-Christian Collet (French too), Jairo Augusto de Vasconcelos Reis, and Luiz Carlos de Alcântara Marinho joined to compose the first bureau.

More than half a century later, inspired by these and other pioneers, new generations of speleologists continue “to keep the flame burning,” encouraging, organizing and disseminating actions related to speleology, whether in the sports, technical, social, or scientific fields.

The SBE is the Brazilian representative to the International Union of Speleology (UIS) and the Latin American and Caribbean Speleological Federation (FEALC). It gathers, at a national level, speleo teams and individual people interested in the exploration, study, and conservation of caves and karst. These members contribute to the maintenance and effective performance of the SBE through their annual fees or through their voluntary work.

Institutionally, the SBE is managed by a Bureau composed of a President, Vice President, two Secretary Generals (1st and 2nd) and two Treasurers (1st and 2nd). It has a Financial Council of a deliberative nature, composed of three full members and two substitutes, and an Advisory Committee composed of the Past Presidents. The SBE Bureau and the Financial Council are elected every two years at a General Assembly.

To achieve its objectives, the SBE is organized into departments, which in turn are subdivided into sections, which can be subdivided into commissions or specific thematic Working Groups. Currently, there are Four departments and 24 sections.

By agreement with the Municipality of Campinas, state of São Paulo, the SBE is headquartered on the premises of Parque Portugal (Lagoa do Taquaral), the major tourist park of the city. Since 2005, the building houses the Guy-Christian Collet Library, one of the main collections on speleological information in Brazil and Latin America.

The SBE News is the monthly digital publication through which the SBE publishes its events and those of its members, news, activities, and papers

related speleology. The most recent issue is #469 and the whole collection (in Portuguese) can be accessed at www.cavernas.org.br/sbe-noticias.

In summary, the main actions currently promoted and carried out by the SBE are:

- Organization of the Brazilian Congress of Speleology (CBE) every two years. The 38th issue takes place in Belo Horizonte, State of Minas Gerais, together with the 19th ICS, from July 20 to 27, 2025.
- Support of speleological events, whether regional and/or local, as long as they are promoted by associated speleo teams.



SBE Headquarters and the Guy-Christian Collet Speleological Library in Campinas (SP).

PHOTO ARCHIVE SBE



November 2019: Celebration of the SBE 50th Anniversary. Past Presidents next to the SBE Presidents Gallery and SBE Members gathered in front of the building.

- Organization, in partnership with the National Center for Research and Conservation of Caves (CECAV) the 19th International Congress of Speleology (ICS), which will combine the 38th CBE. These events will be held in Belo Horizonte, state of Minas Gerais, in 2025.
- Projects related to exploration, survey, research, education and/or conservation of caves within the scope of the Technical Cooperation Agreement between the SBE, the Brazilian multinational *Votorantim Cimentos*, and the Mata Atlântica Biosphere Reserve, a partnership of more than a decade.
- Publications of scientific articles, by the *Espeleo-Tema*, a Brazilian magazine dedicated to the study of caves and karst, (ISSN 0102-4701 for printed issue and ISSN 2177-1227 for digital issue). Its first issue dates back to 1970 and to date has provided information related to caves and karst in the country.
- Courses, training, and other actions in partnership with public and private entities,

national and/or international, developed by the sessions, such as the Brazilian School of Speleology (eBRe), Cave Rescue (SER), and the International Relations (SERI).

- Management of the Brazilian Cave Data (CNC), in a process of technical cooperation with the National Data of Speleological Information (CANIE), managed by the CECAV. Currently more than 29,000 caves are registered in Brazil.
- Actions and campaigns aimed at protecting Brazil's speleological heritage.

The current SBE Bureau is formed by **Elizandra Goldoni Gomig** (*President*), **Tatiane Monteiro da Silva** (*Vice President*), **Kelly Sandra Ramos Santos Silva** (*1st Secretary General*), **Cláudia de Cássia Pessoa** (*2nd Secretary General*), **Pâmela Lima do Carmo Saviato** (*1st Treasurer*), and **Therys Midori Sato** (*2nd Treasurer*)

The mandate started in September 2023 and will end in September 2025. The SBE Bureau joins the 19th ICS Organizing Committee in the preparation of the event, which also host the major celebration of the 60th anniversary of the UIS.

THE 19th ICS ORGANIZERS

THE CECAV



For 28 years, the National Center for Research and Conservation of Caves (ICMBio/Cecav), with the support of various institutions and researchers, has been contributing to the advancement of science and the promotion of knowledge about Brazil's speleological heritage.

Through the implementation of various projects and research initiatives, new discoveries, publications, scientific meetings, and expeditions have helped ensure that the mission to conserve cave environments and their associated species is supported not only by the speleological community but also by society as a whole.

Through the Speleological Compensation Commitment Terms (TCCEs), ICMBio/Cecav has been working to repair the negative impacts caused by companies on caves, resulting in significant gains for the National Program for the Conservation of Speleological Heritage. With resources from the TCCEs, the research center continues to develop and support conservation projects and other related activities.

Currently, 162 projects, 268 publications, and 113 academic degrees — ranging from undergraduate research to postdoctoral studies—have been completed or are underway in 71 conservation units, all funded by TCCE resources. In 2023, the 37th edition of the Brazilian Congress of Speleology (CBE) took place in July in Curitiba (PR), bringing together 223 participants.

During the 37th CBE, the second edition of the Michel Le Bret National Speleology Award was held — an initiative by ICMBio/Cecav in partnership with the Brazilian Speleological Society (SBE). The award, now reaching its third edition at the 19th International Congress of Speleology (CIE), aims to encourage the development and publication of scientific research, inventories, and technical solutions focused on the conservation of cave ecosystems and associated species, as well as to assist in the management of federal conservation units with such environments. Award winners have their articles published in the *Revista Brasileira de Espeleologia* (RBEsp) or *Revista Espeleo-Tema* and also receive a cash prize.

In 2025, an important result highlighted in the

2023/2024 Statistical Yearbook of Brazilian Speleological Heritage reported the registration of over 26,000 caves in Brazilian territory. The publication considered data from the National Registry of Speleological Information (CANIE). During the period, 2,668 caves were recorded in the system, reflecting an 11.41% increase compared to 2022. It is worth noting that CANIE currently has more than 29,000 registered caves.

Recently, with the support of the Brazilian Institute for Development and Sustainability (IABS), ICMBio/Cecav launched two research calls aimed at conservation unit managers and researchers across Brazil. The focus is on the conservation and management of speleological heritage in protected areas, as well as research in any field of knowledge related to these natural environments. The number of applications exceeded expectations, with over 90 proposals submitted.

Call No. 1/2023, aimed at the study and conservation of national speleological heritage, received 70 applications, totaling R\$ 17,492,419.52. Call No. 2/2023 received 27 applications, amounting to R\$ 5,410,518.05.

The National Center for Research and Conservation of Caves continues to make efforts so that new projects, actions, and advancements can continue contributing to the important mission of conserving Brazil's speleological heritage, whether through ongoing projects or initiatives carried out under the Speleological Compensation Commitment Terms.



Quatro Ossadas Cave, Felipe Guerra-RN.

THE 19th ICS SPONSORS AND SUPPORTERS

MASTER SPONSORSHIP



DIAMOND SPONSORSHIP



SILVER SPONSORSHIP



BRONZE SPONSORSHIP



COPPER SPONSORSHIP



SUPPORT





**19th INTERNATIONAL
CONGRESS OF SPELEOLOGY**
38^o Congresso Brasileiro de Espeleologia

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

**GENERAL
LOCAL
INFORMATION**

HOW TO GET TO THE CONGRESS PREMISES

Belo Horizonte is served mainly by the International Airport of Tancredo Neves, best known as the Confins Airport. It is situated some 40 km away and is linked to the center of the city by express highways.

When disembarking at Confins International Airport, passengers will have several options for getting to the city. In addition to taxis and app transportation, the bus company *Conexão Aeroporto* (Airport Connection) offers direct lines to the *Terminal Conexão Aeroporto* (Airport Connection Terminal), located 700 meters from the congress venue.

Another company, *Unir*, offers buses from the airport to the **BH Central Bus Station**, located 1.5 km from the venue.

Once in BH, public transport offers an extensive network of circulating buses and train (*MetrôBH*). The services of taxis and transport by app (UBER, 99, RepMov, and Urban BH) are also available at any time of the day or

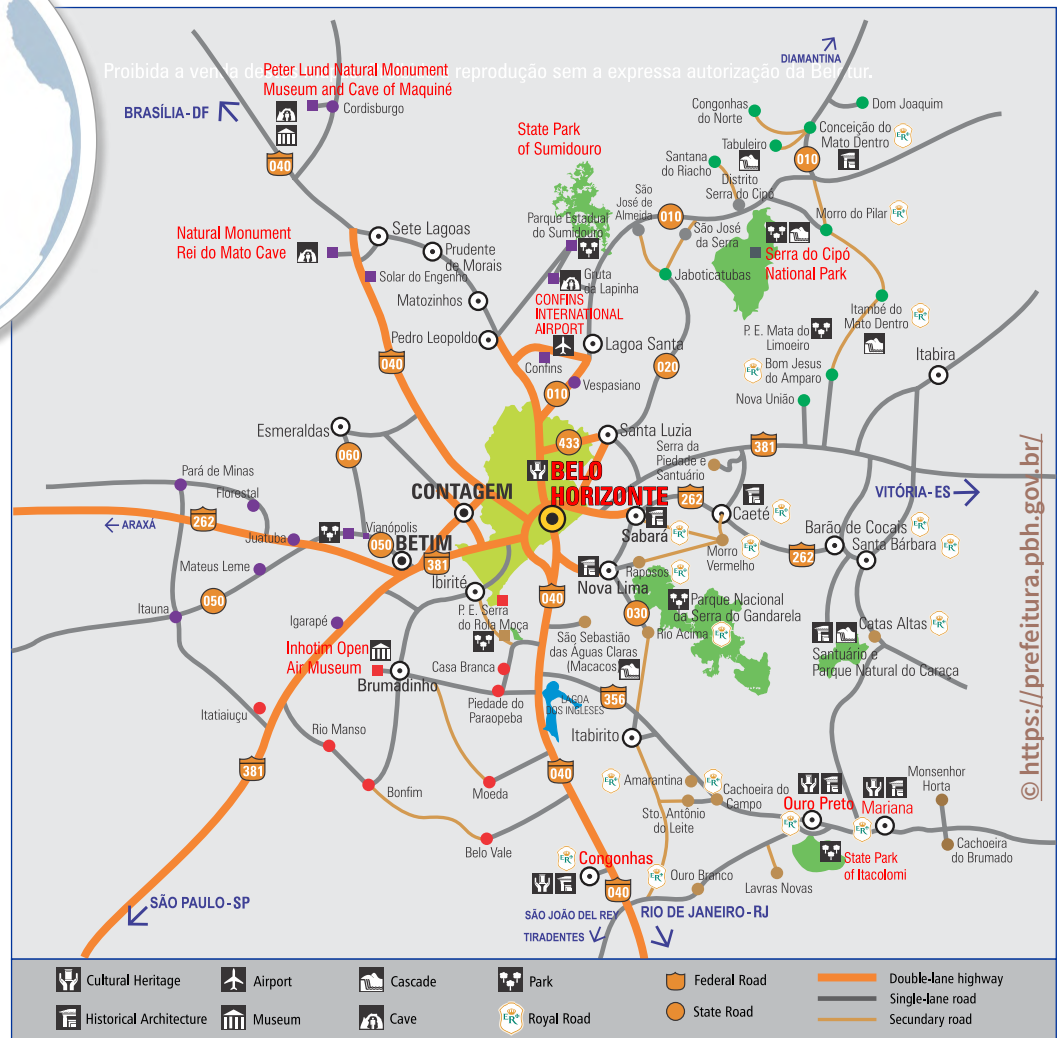
night. Take into account, please, that no Dollar, Euro, or other foreign currency in cash is acceptable. To do so, have in hands your credit card or Brazilian money cash, the Real.

For those who reach Belo Horizonte by car or bus, the main access roads are the BR-040, for those arriving from Rio de Janeiro (RJ) or Brasília (DF), the BR-381, for those arriving from São Paulo (SP), and the BR-262, for visitors traveling from Vitória (ES).

Those who intend to rent a car will have no difficulty. However, other events that will be held in Belo Horizonte during the same period as the congress can contribute to increased demand for cars. We therefore recommend that you make your rental as early as possible.

The map below shows the main access routes to Belo Horizonte, as well as some cities and attractions (in red) included in the list of Wednesday trips.

MAP OF BELO HORIZONTE AND REGION



BELO HORIZONTE, THE HOST CITY

The capital of the state of Minas Gerais, Belo Horizonte, affectionately called BH (*Beagá*), is located in the southeastern region of Brazil, at an altitude of 852 m. With more than 2.5 million inhabitants, it is the 6th most populous city in the country and the first Brazilian city to be a member of the **World Tourism Cities Federation (WTCF)**.

Belo Horizonte is strategically located in the heart of the Brazilian karst, close to one of the most prominent regions in the carbonate karst landscape and in the history of natural sciences in Brazil: the Lagoa Santa Karst. In addition, the city is one of the main venues for discussions on the legal framework related to the subject and is home to a large concentration of speleologists.

For recreation, BH has an ample network of parks and gardens, providing numerous attractions for visitation by congress participants and/or their accompanying family members through tourist agencies or privately. Some of them are in the list for Wednesday trip.

CLIMATE

Belo Horizonte is surrounded by mountains and has a hot, yet temperate, climate, with annual temperatures varying from 13°C to 29°C (55°F to 84°F), and rarely dropping below 10°C (50°F) or rising above 32°C (90°F).

During the period proposed for the congress (end of July), the following conditions are expected:

- Average temperature: 18°C (64°F)
- Minimum temperature: 13°C (55°F)
- Maximum temperature: 25°C (77°F)
- Rainfall: 9 mm (the driest period of the year in BH)
- UV index: 2
- Hours of sun per day: 9

FOOD AND DRINK

Known as "Bar Capital of Brazil," Belo Horizonte is famous for its street food, traditional dishes, and high-end dining experiences. This makes it an excellent destination for food lovers.

To accompany its delicious cuisine, Belo Horizonte also offers a wide variety of craft beers, making it famous in this regard as well. The world-famous "*Caipirinha*," the Brazilian drink made with lime, cachaça, sugar, and plenty of ice is also found everywhere.

While alcoholic beverages is only allowed for adults, the typical Brazilian food is recommended for all ages. We hope everyone will appreciate it.



Minas Cheesebread (Pão de Queijo Mineiro), one of the culinary traditions of the state.



Caipirinha, the famous Brazilian drink.

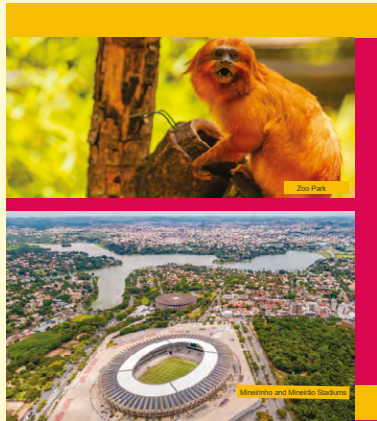
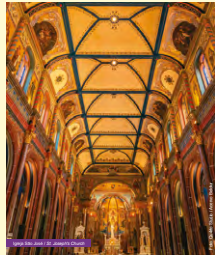


Feijão Tropeiro (Trapeiro Beans), another delicacy from Minas Gerais that will be served at the Congress venue.

INTERESTING PLACES TO VISIT IN BELO HORIZONTE

CITY TOUR

Belo Horizonte, the charming capital of the state of Minas Gerais, is a destination that mixes modernity and tradition. With its striking architecture, lush parks, and vibrant cultural scene, the city offers visitors a unique experience. Discover the charm of the mountains that surround it, taste delicious Minas Gerais cuisine, and explore the rich history of every corner.



ARCHITECTURAL COMPLEX OF PAMPULHA AND THE MINEIRÃO STADIUM



The Pampulha Complex is where Oscar Niemeyer's visionary architecture meets natural beauty. There are the iconic Saint Francis of Assisi Church (the symbol of BH), the Pampulha Art Museum and the Mineirão Stadium with the Football Museum. This harmonious set of attractions offers a unique experience, combining culture, sport and beautiful landscapes.

CULTURAL COMPLEX OF THE LIBERTY SQUARE

The complex of Liberty Square is a historical icon of Belo Horizonte. This space houses palaces and gardens that tell the rich history of Minas Gerais. With its architecture, museums and cultural spaces, the Liberty Square is an invitation to contemplate and immerse yourself in local culture. Discover the elegance of a preserved past and experience the contemporary energy of this architectural jewel. In addition, visit the Gerdau Museum of Mines and Metals, Minas Gerais Vale Memorial, among other attractions.



PARK OF MANGABEIRAS AND TRIP TO THE OUTLYING ROLA MOÇA MOUNTAIN RANGE

The exuberant nature of Belo Horizonte is also evident in Parque das Mangabeiras and the majestic Rola Moça Mountain Range. The park, with its spacious gardens and trails, offers a serene refuge in the heart of the city, while Rola Moça offers a wide view of the city and beyond.



S11A-0036 Cave (Ferruginous Rock) - Santana dos Carajás, Pará, Brazil. Photo by Ataliba Coelho



Manequinho Cave (Quartzite Rock) - Ibitipoca State Park - IEF/MG - Lima Duarte, Minas Gerais, Brazil. Photo by Gabriel Lourenço (SEE-Sociedade Excursionista e Espeleológica)



19th INTERNATIONAL CONGRESS OF SPELEOLOGY

38^o Congresso Brasileiro de Espeleologia

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

CONGRESS FACILITIES AND SERVICES

THE 19th ICS VENUE

Occupying an entire city center block, the Minascentro Convention Center, recently renamed **BeFly Minascentro**, has Neoclassical style architecture. Listed by the Historic Heritage of the Municipality of Belo Horizonte, it undergone recent modernization in its structure to become one of the largest experiential centers in Minas Gerais.

Located just 1.2 km from the main bus station, BeFly Minascentro is 40 km from Tancredo Neves (Confins) International Airport.

Spanning over 23,000 square meters across 3 floors, independent entrances and accessibility, it has the capacity to accommodate over 8,000 people simultaneously, featuring one of the largest theaters in MG (1,570 seats). With modular and multi-format occupancy and air conditioned in all internal areas, it also boasts:

The decision in favor of BeFly Minascentro was because it offers all the facilities required for a UIS Congress as well as a comprehensive package of audiovisual solutions, high-performance internet, digital studios, furnished rooms, streaming, services, catering, automation, and technology.



- 6 auditoriums of varying sizes (from 100 to 428 seats)
- 18 rooms for various uses
- 1 multipurpose room (1,368 m²)
- Areas for exhibition (2,235 m²)
- A car park (80 spaces inside, but there are many options in the vicinity)
- 2 open air areas for bars and recreation

PHOTOS OF BEFLY MINASCENTRO, THE 19th ICS VENUE - © <https://www.beflyminascentro.com.br/>



MAIN ENTRANCE



POSTOJNA HALL - 1,570 seats



GÉZE Auditorium - 395 m² - 428 seats



CIGNA Auditorium - 238 m² - 240 seats



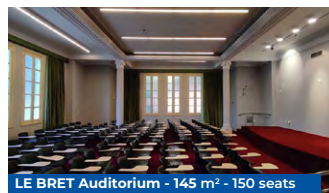
ERASO Auditorium - 145 m² - 150 seats



TRIMMEL Auditorium - 240 m² - 230 seats



ANAVY Auditorium - 100 m² - 100 seats



LE BRET Auditorium - 145 m² - 150 seats



PILO Auditorium - 100 m² - 100 seats



Exhibition Area B - 450 m²



Exhibition Area 2nd Floor - 2,235 m²



PERUAÇU Room - 3rd Floor - 1,368 m²



BH Square - 690 m² - SpeleoBar 1



Bandstand Square - 645 m² - SpeleoBar 2



FIRST FLOOR

IN THIS FLOOR:

- Hoisting and Unveiling of the UIS Flag
- Opening Ceremony
- UIS 60th Anniversary Ceremony
- Michel Le Bret Brazilian Prize Awards Ceremony
- Contests Awards Ceremony
- UIS General Assemblies
- SBE General Assembly
- Keynote Lectures
- Technical and Scientific Sessions
- Symposia
- Meetings of UIS Commissions
- Cartographic Salon
- Photo Salon
- SpeleMedia
- SpeleOlympics
- Lights in the Darkness Exhibition
- Sponsor and Vendors stands





SECOND FLOOR

IN THIS FLOOR:

- SBE and CECAV Spaces
- UIS Space
- Casa Italia
- Exhibitors and Vendors stands
- Caves of Peruaçu Exhibition
- SpeleoMedit Exhibition
- Michel Le Bret Exhibition
- UIS-60 Years of History Exhibition
- Diversity in Caves and in Life Exhibition
- SpeleoKids
- Posters Display
- SpeleoArt
- SpeleoBars



Plan of Exhibitors and Vendors Stands

Planta dos estandes de expositores e vendas



- 01 - Cave Circuit of Minas Gerais - *Circuito das Grutas de Minas*
- 03 - Speleobooks
- 04 - United Kingdom - *Reino Unido (candidato a sediar o 20th ICS)*
- 05 - Opilião Speleo Team - *Grupo Opilião*
- 06 - EGB/GREGEO Speleo Teams - *Grupos EGB/GREGEO*
- 07 - GEEP Speleo Team - *Grupo GEEP*
- 08 - SEE Speleo Team - *Sociedade Excursionista e Espeleológica (SEE)*
- 09 - EPC Speleo Team - *Grupo EPC Speleo Team*
- 11 - Congress SpeleoBazaar - *Loja do Congresso*
- 12 - State Environmental Foundation (FEAM) - *Fundação Estadual do Meio Ambiente (FEAM-MG)*
- 13 - EGRIC Speleo Team - *Grupo EGRIC*
- 15 - National Speleological Society (NSS-USA)
- 16 - Speleological Heritage Council of the State of São Paulo (CEPESP) - *Conselho do Patrimônio Espeleológico do Estado de São Paulo*
- 17 - Romania - *Romênia (candidato a sediar o 20th ICS)*
- 18 - SpeleoArt support - *Suporte SpeleoArt*
- 19 - French Speleological Federation (FFS) - *Federação Francesa de Espeleologia (FFS)*
- 20 - Center for Studies in Subterranean Biology - *CEBS/UFLA*

Posters Display
Exibição de Pôsteres



Location Map
Mapa de Localização



Toilets
Sanitários



Stairs
Escadas



Elevator
Elevador



THIRD FLOOR

IN THIS FLOOR:

- First Aid Room
- Welcome party
- UIS 60th Anniversary party
- Michel Le Bret Brazilian Prize party
- Congress Contests party
- Evening programs
- UIS Prizes 2025 Awards Ceremony
- France Habe Prize Award Ceremony
- Closing Banquet



MAIN FACILITIES AND SERVICES

REGISTRATION DESK

The Registration Desk is located at the main entrance of BeFly Minascentro, immediately to the right as you enter.

Opening hours:

Sunday 20 July: 15:00 - 20:00

Monday 21 July: 08:00 - 18:00

Tuesday 22 July: 08:00 - 18:00

Wednesday 23 July: closed

Thursday 24 July: 08:00 - 18:00

Friday 25 July: 08:00 - 18:00

The desk will be staffed by a team of volunteers who is ready to assist you. Please go there whenever you need assistance.

INFORMATION DESK

The ICS Info Desk is located at the first floor, just near of Registration Desk. Please come to there with your questions.

INTERNET CONNECTION

Free wireless network for mobile internet access will be available in all building of BeFly Minascentro, the Congress venue.

Wi-Fi Network: Congress of Speleology

Password: minasgerais

MEDIA DESK

Is located on the first floor. Among other services, authors of papers can go there to upload their files for presentation.

Opening hours: see Registration Desk schedule.

MESSAGE BOARD

Are you looking for someone? Do you need something? Post a message on the message board located near the ICS Information Desk. After your message is answered, please take it.

MEDICAL SERVICES

Basic first aid can be obtained at the third floor of the Congress building. Staff there will provide minor medical assistance and, if necessary, assistance in reaching the nearest hospital.

Opening hours: all week-long, during Congress activities and evening program.

TRAVEL AGENT

For tours in the Belo Horizonte and region during the Congress, please contact **MAAC Travel Corporate** representative.

MAAC Travel will have an office inside the Congress venue and are ready to help you in any trip or extra

activity you are interested on during your stay in Belo Horizonte. The office is located just beside the Registration Desk.

Opening hours: from Monday 21 July to Saturday 26 July (except Wednesday) from 10:00 - 17:00.

LOST AND FOUND

We encourage anyone, who finds an abandoned possession to please bring it to ICS Info Desk. All unclaimed items will be kept until the end of Congress at 16:00 on Sunday July 27, 2025. After this period, such itens will be given to charities.

Opening hours: see Registration Desk schedule.

CHARGING BATTERIES AND DEVICES

When charging devices at the Congress venue and also at the hotels, pay attention to the sockets to avoid burning any non-bivolt equipment. The voltage standard in the city of Belo Horizonte is 127 volts, but in some places there are sockets 220 volts. Brazil's electrical energy has a frequency of 60Hz. Community device charging towers will not be available.

SPELEOBAR

One of the most traditional places for ICS people to gather for moments of relaxation, SpeleoBar 2025 will be set up in two external areas of the second floor of BeFly Minascentro, totaling 1,335 m².

Opening hours: from Monday 21 July to Saturday 26 July (except Wednesday) from 10:00 - 19:00.

FOOD AT CONGRESS VENUE

Two food outlets will be installed on the BeFly Minascentro premises. Other options will be distributed in BandStand Square (second floor), as a complement to SpeleoBar.

Opening hours: 10:00 - 19:00

KIDS' AREA

At the second floor of BeFly Minascentro, near the Guajajaras Street access, a special program is scheduled to babies and young explorers. Bring your children to enjoy this playful and educational environment designed to spark their curiosity about the fascinating world of caves!

PARKING

BeFly Minascentro has outsourced parking with 80 places in the internal area. Payment is made directly on site. Several other options for parking are available in the vicinity. Large recreational vehicles will not be accepted in the internal parking of the venue.

PETS

No pets will be allowed in the internal areas of the BeFly Minascentro, the Congress Venue.

SMOKING AND TRASH

Due to the serious health-issues caused by smoking, this is discouraged by all levels. Smoking is not allowed in any venue internal area.

GENERAL CONGRESS INFORMATION!

ORIGIN OF THE 19th ICS

Brazil's bid to host and organize the 19th International Congress of Speleology (ICS) was unanimously approved by the International Union of Speleology (UIS) in April 2021.

The 19th ICS will take place concurrently with the 38th Brazilian Congress of Speleology (CBE), promoted by the International Union of Speleology (UIS) and the Brazilian Speleological Society (SBE), with organization entrusted to the SBE in conjunction with the National Center for Cave Research and Conservation (ICMBio/CECAV).

Belo Horizonte was chosen as the host city of this event due to be a developed capital city, with an international airport, and, above all, because it is strategically located in the heart of the Brazilian karst, in proximity to one of the most prominent regions in karstic carbonate landscape and in the natural sciences history of Brazil - the Lagoa Santa Karst.

Additionally, the city is one of the main stages for discussions on the legal framework of the topic and hosts a high concentration of Brazilian speleologists.

19th ICS OFFICIAL LANGUAGES

Portuguese and English are the official languages of this ICS and its field trips. Translation services will not be provided.

CONGRESS OFFICIALS

Our team of volunteers are ready to assist you at the Congress venue. They will be wearing special shirts and can be easily recognized.

IDENTIFICATION BADGE

For security, legal and insurance purpose, anyone attending the Congress must be registered with the Congress and display their registration name badge at all time. You can be asked by ICS staff to present your badge.

TRANSPORTATION

As announced in the 19th ICS circulars, the Congress does not offer transportation airport/

ALCOHOL

According to Brazilian law, no alcoholic beverages will be served to anyone under 18 years of age. Identification showing date of birth may be required. The penalties for driving under the influence of alcohol are severe.

event/airport. Therefore, each participant must arrange this transportation on their own.

For this, and also to move around the city, public transport offers an extensive network of circulating buses and train (MetroBH).

TAXI AND APP SERVICES

The services of taxis and transport by app (UBER, 99, RepMov, and Urban BH) are also available at any time of the day or night.

DRIVING IN BRAZIL

If you are licensed to drive a motor vehicles in Brazil, pay attention to local rules and signs.

It is common for the police to stop drivers to take a breathalyzer test. In this case, any alcohol concentration detected (one glass of beer is enough) will result in serious punishment for the driver. Therefore, NEVER drive after drinking any alcoholic beverages.

Cars in Brazil are left-hand drive and we drive on the right.

PAYMENTS IN CASH

No foreign currencies, such as US dollars or Euros in cash are usually accepted in Brazil. Please pay your expenses with Brazilian money (*Real*) or Credit Card. Remember to enable your Credit Card to work in Brazil.

CURRENCY EXCHANGE

Some currency exchange offices are located in the vicinity of BeFly Minascentro. Ask about them at the Information Desk.

TIPPING

In Brazil, the practice of tipping is common. Many establishments (restaurants mainly) automatically add a 10% fee to the bill as a service. However, it is up to the customer to pay this additional amount. Most customers agree and pay as a gesture of appreciation for the good service provided.

GREEN CONGRESS

Bringing more than 1,100 people together will have a cost in terms of our environmental footprint. The 19th ICS Organizing Committee is encouraging ways that we can help.

- **Public transport:** We encourage and promote its use as much as possible.

- **Drinking water:** Bottled water uses a lot of energy to manufacture and transport, and results in disposable bottles that generally become landfill or litter. During the week of the Congress, drinking fountains will be spread throughout BeFly Minascentro. Please drink and enjoy it! We therefore encourage participants to bring a refillable water bottle. We will have some re-fillable water bottles for sale at the Congress venue in case anyone needs to buy one.

- **Reduce, reuse and recycle:** We invite all registrants to try to minimize what they purchase with regards to what will be wasted, e.g. food in excess packaging and throw-away coffee cups.

- **Litter:** Please do not litter! Naturally, if items cannot be recycled, they belong in a garbage/trash/litter bin rather than carelessly disposed of.

- **Toilets:** Minimize the flush and save water. Brazil has enough water in some regions but is a dry country in others. When you find toilets with buttons indicating 'full flush' or 'half flush,' please use the 'half flush' whenever you can.

- **Minimize printing:** Digital technology means that we can minimize what actually needs to be printed. While we will print some Congress materials, we encourage participants to print only what is essential to be printed.

- **Souvenirs of Brazil:** Please look for locally made products where the money supports local artists and community groups.

CAVES IN BRAZIL

All caves in Brazil are protected by Federal law. It is therefore expressly prohibited to remove from the cave any type of sample, whether animal, vegetable, or mineral, without prior official authorization. In addition, visitors are expected not to cause any damage to the cave, property, or people in their group.

PROGRAM UPDATES AND CHANGES

Updates and changes will be advertised on bulletin boards in the Reception Desk area. Please check on a daily basis.



Cave of Bezerra - Terra Ronca State Park, São Domingos, Goiás - Photo by José Humberto M. de Paula



19th INTERNATIONAL CONGRESS OF SPELEOLOGY

38^o Congresso Brasileiro de Espeleologia

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

CONGRESS ACTIVITIES

WEEK-LONG ACTIVITIES

OPENING CEREMONY

The 19th ICS opening ceremony is held on the first day of the Congress, Sunday evening July 20 at 19:00 on Postojna Hall, the main theatre of the venue. As a complement to the ceremony, there will be the Congress's first keynote lecture by George Veni, former president of the UIS. It will be followed by the welcome cocktail on the 3rd floor. As part of the opening ceremony, the UIS flag will be hoisted in the area outside the main entrance of the building, where it will remain throughout the entire week of the Congress.

SESSIONS AND SYMPOSIA

All Congress Sessions and Symposia will be held in the auditoriums located on the first floor. For information about time of specific presentation, see the Congress Daily Schedule on this document.

TECHNICAL-SCIENTIFIC POSTERS

All technical-scientific posters will be displayed at the second floor of the venue throughout the week of the Congress. **The authors will be there to present their papers on Tuesday July 22 and Thursday July 24, from 13:00 - 14:00.**

The Congress participants are invited to vote for the best poster on cave exploration (instructions are on Posters Gallery), which is one of the categories included in the UIS Prizes contest, which Award Ceremony will be on Saturday 26, during the ICS Closing Banquet.

UIS GENERAL ASSEMBLY

The UIS is governed by the General Assembly (GA), comprised of one delegate from each UIS member country (there are 57 currently). Each member country is represented by one speleological association, which selects its own delegate to the UIS. During the 19th ICS the two sessions of the UIS GA will be held at Gèze Auditorium. Although the GA is intended for country delegates, anyone may attend as an observer.

First Session: Sunday 20 July, at 09:00.

Second Session: Sunday 27 July, at 09:00.

SBE GENERAL ASSEMBLY

The Brazilian Speleological Society (SBE) is the Brazilian representative at the UIS. Founded in 1969, it organizes its congresses every two years, which is the term of office of its Bureau. During this 38th edition, its General Assembly (GA) will discuss and vote on important topics for Brazilian speleology. However, there will be no election for the new Bureau, as this was recently

held virtually. The SBE GA is scheduled for Saturday July 26 at 16:00 in the Gèze Auditorium.

UIS BUREAU MEETINGS

The UIS Bureau may meet several times during the Congress and may invite guests as appropriate. At a minimum, the Bureau meets once prior the first GA and once after the second GA. A room is reserved for Bureau use. The meeting after the second GA is primarily for members of the newly elected Bureau to become acquainted, conduct any remaining business, and select the venue for the next in-person meeting. This joint meeting will be on Sunday 27 July at the Gèze Auditorium. Time to be confirmed.

UIS COMMISSIONS AND WORKING GROUPS MEETINGS

UIS Commissions and Working Groups study or work on different speleological topics. They conduct projects and conferences, produce publications, provide advice and support, and often set the international standards as related to their topics. Their meetings are open to anyone who wishes to attend and participate. The meetings will occur throughout the week of the Congress. Any that were planned in advance are described in the daily schedules later in this Program. Please check the timetable to organize your participation.

EVENING CELEBRATIONS

Five outstanding banquets or cocktails will be offered during the Congress. The meals will be prepared by the best caterers in Belo Horizonte and region and all of them will be on third floor of the venue, at the Caves of Peruaçu Room. Please check whether your category of participation is able to attend these evening program.

• **Opening cocktail:** Sunday evening, July 20, after the opening ceremony of the Congress.

• **UIS 60th Anniversary party cocktail:** Monday evening, July 21, with the launch of the book “60 YEARS OF THE UIS - 1965-2025”, by José Ayrton Labegalini, UIS past President 2001-2005.

• **Michel Le Bret Award cocktail:** Tuesday evening, July 22, the third issue of this Brazilian speleological award will recognize and reward initiatives of greatest relevance for the management and conservation of Brazilian speleological heritage.

• **Brazilian evening party:** On Thursday evening, July 24, a typical Brazilian program has been prepared. Enjoy it.

• **Awards Evening:** The evening of Friday, July 25, will be dedicated to revealing and celebrating the winners of the various competitions and contests held throughout the week of the Congress.

• **ICS Banquet:** Saturday, July 26th, the Closing Banquet will include the UIS Prizes, which award the main publications and achievements of world speleology in the period between two ICSs in different categories, as well as the France Habe Prize, which acknowledges projects dedicated to the protection and management of caves and karst around the world.

AWARDS EVENING

On the evening of Friday, July 25th everybody will enjoy the revelation of the winners of the various competitions and contests held throughout the week of the Congress.

CULTURAL AND FAMILY TRIPS

Each day during the Congress, there will be opportunities to visit the best tourist and cultural attractions of Belo Horizonte and the region. These outings are suitable for the whole family to get away, try typical food, and have some fun.

Some of these trips will be on the list of Wednesday excursions, but they can also be carried out on other days of the congress.

Those interested please go to the Travel Agent office located just beside the Registration Desk and Info Point.

CAVE PHOTO SALON

Coordinator: Alexandre Lobo

Cave photographers worldwide have submitted their best images for judging or just exhibit. This salon aims to stimulate reflections on the relationship between humans and caves, expand public knowledge about caves and karst, considering social, economic, and environmental aspects, through photographic language.

Please don't forget to vote for your favorites in each category, as follows:

- 1) **Caves:** conduits, halls, skylights, and cave entrances
- 2) **Underwater Caves:** entrances, conduits, halls
- 3) **Macro:** speleothems and formations
- 4) **Life:** photos of cave biology, life and animals.

CARTOGRAPHIC SALON

Coordinator: Ricardo Martinelli

The topography of caves is fundamental to the field of speleology. It is through the maps produced by speleologists and exploration teams that both natural and artificial cavities come to be recognized and thoroughly studied. The maps submitted for

the 19th ICS will compete in these categories:

- 1) **Conventional Maps**
- 2) **Unconventional Maps**

Please don't forget to vote for your favorites.

SPELEMEDIA

Coordinator: Leda Zogbi

SpeleMedia is a competition involving producers of videos and films related to caves, cavers, caving, and cave conservation/restoration, art, and more. The 19th ICS SpeleMedia contest was open to both amateurs and professionals, and received many first-class productions. All of them will be projected on a special giant screen measuring 7.0 x 4.0 m in the Gèze Auditorium.

3D SHOW

Coordinator: Leda Zogbi

3D slide and video show will take you away from the common 2D experience into endless possibilities of adding the third dimension to the cave images. Come to the Gèze Auditorium to immerse yourself in the stunning images which will be projected on a special giant screen measuring 7.0 m wide x 4.0 m high.

SPELEOLYMPICS

Coordinator: Bernardo Menegale Bianchetti

Considered the main "sporting" attraction of the ICSs, SpeleOlympics 2025 will maintain the tradition with a series of speleological simulators installed in the BeFly Minascentro, the Congress venue, where candidates will have the opportunity to test their skills and participate in competitions in six different modalities, as follows:

- **Beer Crate Stacking** consists of stacking beer crates, where the participant must climb and balance solely on the column of crates. Prizes will be given for the individual female and male categories.
- **100m Rope Ascent** - The ascending on a releasable rope (which is gradually released) through a pulley at the ceiling aims to climb 100 meters of rope in the shortest time possible. Prizes will be given for the individual female and male categories.
- **Body Squeeze** - For this game, four obstacles are prepared: Crystals, Vertical "S", Back and Forth, and Tight Squeeze. This event will have three categories: individual female, individual male, and mixed team (composed of one woman and one man).
- **Troglobite Collection in the Skylight** - The objective of this activity is to achieve the lowest score while climbing a wall and collecting "troglobite animals." Prizes will be given for the individual female and male categories.

- **Table Boulder** - A game mode that focuses on body awareness and center of gravity. The participant must move around the table from the top to the bottom and back to the top in the shortest possible time, without using the floor for support or touching it with any part of the body. Prizes will be given for the individual female and male categories.

- **Speed Course** - This challenging game consists of a pre-defined route featuring various obstacles, primarily related to vertical techniques and body-break passages. Prizes will be given for the individual female and male categories.

The rules and other information related to SpeleoOlympics 2025 are available on the congress website (www.speleo2025.org). Those interested in participating can register next to the Registration Desk, located as the main entrance of BeFly Minascentro.

SPELEOKIDS

Experienced caregivers will be there to entertain babies, children, and youth so that their parents can attend the activities of the Congress. Bring your children to enjoy this playful and educational environment designed to spark their curiosity about the fascinating world of caves!

CAVE ART SALON (SPELEOART)

Coordinator: Rafael Balestrieri



SpeleoArt is the creative combination of speleology and art, blending scientific exploration with human expression. It encompasses art in all its forms—from painting and sketching to digital photography, computer graphics, ceramics and sculpture, textiles, and mixed media.

The theme must necessarily involve the subjects of karst and caves, focusing on the central interests of speleology.

The SpeleoArt exhibition at the 19th International Congress of Speleology (ICS) will have a different format from the usual. In addition to the traditional exhibition at the main event venue, this time seven other simultaneous exhibitions will be presented to the public in different locations across the country.

This format was first introduced at the 37th Brazilian Congress of Speleology, held in July 2023 in Curitiba, southern Brazil.

On that occasion, six of the city’s main tourist attractions hosted cave-themed exhibitions.

Over the six months they remained on display, these exhibitions attracted more than 900,000 visitors. In this way, SpeleoArt 2023 in Brazil fully achieved its mission of bringing caves and karst to the general public.

The great success of that edition inspired its coordinator, Rafael Balestrieri, who is applying the same approach for 2025. Therefore, the 19th ICS will be the first UIS Congress to feature SpeleoArt not only at the main event venue, but also in other regions of the host country.

The exhibition at BeFly Minascentro is titled “**Caves Around the World at the Tip of the Brush**”—an exhibition featuring works by national and international artists. **Period: 19-27 July 2025.**

The other exhibitions are described as follows.



Art Exhibition “A Look Inside the Earth- A Photographic Exhibition on Brazilian Caves”

Local: Casa Gomm

City: Curitiba-PR

Period: 11-31 July 2025



Art Exhibition on caves by artists from Curitiba

Local: Alfredo Andersen Museum

City: Curitiba-PR

Period: 10-20 July 2025



Exhibition “From History to Contemporary - Artificial Cave”

Local: Historical and Geographical Museum of Monte Sião
City: Monte Sião-MG
Period: 14-31 July 2025



Art Exhibition “The Peruaçu Caves”

Artworks by local artists
Local: Babalu Restaurant
City: Januária-MG
Period: 29 July - 10 August 2025



Art Exhibition “A Look Inside the Earth - A Photographic Exhibition on Brazilian Caves”

Local: Casa Rouanet
City: Tiradentes-MG
Period: 16-31 July 2025



Art Exhibition “From History to Contemporary - The Land of Lund”

Local: PUC Minas Museum
City: Belo Horizonte-MG
Period: 14-28 July 2025



Art Exhibition “The Caves of Aurora do Tocantins”

Artworks by local artists
Local: RPPN Aurora do Tocantins
City: Aurora do Tocantins-TO
Period: 5-31 July 2025

THEMATIC EXHIBITIONS AT THE VENUE

Thematic exhibitions on caves and karst are a highlight of every UIS Congress. For the 2025 edition, eight thematic exhibitions will be spread throughout the venue, covering topics such as history, photographic documentation, subterranean biology, and the conservation of speleological heritage.

By exploring these exhibitions, you will not only be immersed in the beauty and fragility of karst environments, but also invited to acknowledge the tireless efforts of speleological associations. These organizations form the backbone of organized speleology, playing a vital role in advancing speleological science and collaborating with government agencies to shape policies and legislation that protect caves and karst landscapes. The main thematic exhibitions of the 19th ICS are presented as follows.

CASA ITALIA

Coordinator: Paolo Forti

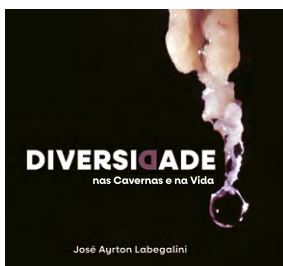
Casa ITALIA features three distinct exhibitions, all brought together in a single space under the name Casa ITALIA. The initiative is promoted by the Italian Speleological Society (SSI) and the Franco Anelli Italian Speleological Documentation Centre.



1st Exhibition: The Italian Golden of popular illustration on speleology (1900-1960)

2nd Exhibition: Fingal's Cave

3rd Exhibition: Evaporitic Caves & Karst of Northern Apennines: A new UNESCO Site



DIVERSITY - IN CAVES AND IN LIFE

Curator: José Ayrton Labegalini

Caves are not just hidden landscapes—they are worlds within the world. In this exhibition, José Ayrton Labegalini, UIS Past President, shares decades of images and reflections gathered in the silence of darkness, revealing the diversity of shapes, meanings, and experiences that inhabit the underground universe. More than a visual record, DIVERSITY is an invitation to contemplate nature—and ourselves.

SPELEOMEDIT

Curator: Victor Ferrer

The SpeleoMedit exhibition created by Victor Ferrer with the contribution of dozens of authors is composed of panels for each Mediterranean country. The authors of the project are convinced that the special publication with information from each country directly connected with the Mediterranean Sea, can make a fundamental contribution to the creation of a common awareness and strengthening of ties for speleological groups and research organization of the Mediterranean and the protection of karst and caves.



UIS-60 YEARS OF HISTORY

Curators: José Ayrton Labegalini and Nivaldo Colzato

Following the successful implementation of the “International Year of Caves and Karst 2021–2022,” the UIS is currently engaged in formal discussions with UNESCO to designate September 13th as the “International Day of Caves and Karst.”

Both of these landmark initiatives are featured in the exhibition “UIS–60 Years of History,” specially curated for this significant occasion. As the first exhibition of its kind to be presented

at a UIS Congress, it consists of a series of informative posters that illustrate the organization’s structure, commissions, publications, institutional partnerships, the list of countries and individuals who have served on its Bureau, among other information. Through this exhibition, which is located within UIS Space on the second floor of the building, visitors are offered a comprehensive insight into the legacy and impact of the UIS, as well as its enduring contribution to the global advancement of speleology over the past six decades.

A REPRESENTATIVE SAMPLE OF THE BIODIVERSITY FOUND IN BRAZILIAN CAVES

The exhibition organized by the Center for Subterranean Biology Studies (CEBS/UFLA) at the 19th ICS will showcase a representative sample of the remarkable biodiversity found in Brazilian caves. The exhibition will feature organisms collected from caves across diverse regions of the country, including troglobites, troglaphiles, and troglonexes. Special emphasis will be given to troglobitic species, which exhibit unique adaptations to life exclusively in subterranean environments. The exhibition highlights the hidden biological richness of caves formed in various lithologies, such as limestone, iron ore, quartzite, and sandstone. This display offers a unique opportunity to appreciate the morphological and ecological diversity of Brazil's cave-dwelling fauna, underscoring the importance of continued research and conservation efforts focused on these unique and still poorly understood ecosystems. This exhibition will be held at the Center for Studies in Subterranean Biology stand, located on the Exhibitors and Vendors stands area.

LIGHTS IN THE DARKNESS

Unraveling the Mysteries of Brazilian Caves

Curator: João Paulo Barbosa

The “Lights in the Darkness” project, created by Leda Zogbi and Allan Calux, emerged in 2015 with the aim of documenting Brazil's most beautiful caves to promote their preservation. Some of the world's best cave photographers were invited to join this adventure to capture these special images, alongside Brazilian photographers. Three expeditions were carried out: in 2016, to document caves in the states of São Paulo, Minas Gerais, Goiás, and Bahia; in 2019 to visit caves in Mato Grosso do Sul and Mato Grosso; and in 2023 to capture images of the beautiful caves in the Amazon. Hundreds of thousands of kilometers were traveled by plane, boat, and car on precarious roads. All of this to shed light on the mysteries hidden in the darkness of Brazilian caves. The result of all this work is being unveiled in this exhibition.



MICHEL LE BRET – PIONEER OF BRAZILIAN SPELEOLOGY

Curator and production: Leda Zogbi

This exhibition introduces Michel Le Bret, considered the “Pope” of Brazilian speleology.

Born in France in 1926, Michel Le Bret was a passionate speleologist who took part in many significant explorations and discoveries across Europe and helped develop some of the first cave diving equipment.

He came to Brazil with his family in 1959, at the age of 33, to work for the Rhodia Group, founded by his grandfather. Driven by the speleology “bug,” he explored and documented dozens of caves and contributed to the creation of the first registry of Brazilian caves. He helped organize the first Brazilian Speleological Congress in 1964

and became the first president of the Brazilian Speleological Society, founded in 1969. In December 1969, he suffered a stroke and returned with his family to France, where he made a full recovery. He remained in contact with Brazilian speleologists and returned several times to take part in expeditions in Brazil.



CAVES OF PERUAÇU

Exhibition dedicated to one of Brazil's most significant karstic region—the newest elected UNESCO World Heritage Natural Site.

CECAV/SBE SPACE PROGRAM

INTERACTIVE SPACE							
Dia	21/7 - Monday	22/7 - Tuesday	Wednesday Trips	24/7 - Thursday	25/7 - Friday	26/7 - Saturday	
8am - 9am							
9:00 - 10:00							<p>Presentation Technical Cooperation Agreement between SBE, VOTORANTIM CIMENTOS S.A., and RBMA: Lancinha Project Geep-Açungui Speleo Team</p>
10:00 - 11:00	<p>Presentation Caves of Kurdistan-IRAQ John Fioroni</p>	<p>Presentation A Journey Under the Horizon Vitor Ferrer</p>			<p>Presentation Alto São Francisco (São Francisco river's higher area) Archeology Museum Simone de Paula Faria Silva (director) Adriano Carvalho (curation)</p>	<p>Presentation Diversity and Inclusion Friday</p>	<p>New Release Histories and Memories of Brazilian Speleology. Volume 1 General Coordination: Luiz Afonso V. Figueiredo</p>
11:00 - 12:00							
14:00 - 15:00	<p>Presentation Pain's Mastodon - Osteomontage Techniques Henrique Paprocki (coordinator) Bruno Garzón (curation)</p>						<p>Presentation The State Council for Speleological Heritage and the Conservation of Caves in São Paulo Speaker: Clayton Ferreira Lino (President of CPESP and Coordinator of International Cooperation for the Atlantic Forest Biosphere Reserve)</p>
15:00 - 16:00	<p>New Releases: Geodiversity values and uses, Turistic Caves conservation and recovery Speleoclimate in the Karst Valley of The Peruaçu River Continuous Monitoring Records (2018–2024)</p>	<p>Presentation Annette Laming Emperaire Archeology Center (CAALE) Rosangela Albano - director Cleiton Ribeiro (curation)</p>			<p>New Release PRIM Mining</p>	<p>Presentation Exploring Spaces and Breaking Barriers: Women in Speleology Patricia Fernanda Carvalho de Souza (Guano Espeleo Group and Brazil's Womens Cave Group)</p>	
16:00 - 17:00		<p>Presentation Speleodive Group Alexandre Dupont</p>			<p>New Release CaveRNas (Caves) Book</p>	<p>Talking Circle Brazil's Womens Cave Group</p>	
17:00 - 18:00	<p>Cocktail</p>				<p>Cocktail</p>		
19:00 - 22:00		<p>Michel Le Bret National (Brazil) Speleology Award</p>			<p>Peruaçu Event</p>		

CECAV/SBE SPACE PROGRAM

EXHIBITION SPACE 2					WORKSHOP SPACE			
	21/7 - Monday	22/7 -Tuesday	24/7 - Thursday	25/7 - Friday	21/7 - Monday	22/7 -Tuesday	24/7 - Thursday	25/7 - Friday
8:00 - 9:00								
9:00 -10:00								
10:00 - 11:00						Workshop Lagoa Santa cave's paintwork Érika Minaly Banyai	Workshop The Litic Industries of the Pains Carstic Region (State of Minas Gerais) in the Paleoindian Period. Dr. Edward Karel Martius Koole	Workshop The Art of Gossip Brazil's Womens Cave Group
13:30 - 15:00								
	Collection La <i>borne</i> MCN PUC MINAS Belo Horizonte/MG	Lagoa Santa Karst (CAALE) Archeology Lagoa Santa/MG	Pains's Karst Archeology MAC-ASF Pains/MG	"Women's Experiences in Speleology"	Wednesday Trips			
15:00 - 16:00								
16:00 - 17:00								
17:00 - 18:00								
19:00 - 22:00								

TECHNICAL-SCIENTIFIC PROGRAM

KEYNOTE LECTURES

To further brighten the 19th ICS program, six inspiring keynote lectures are confirmed for the week of the congress. For them, leading figures from the world of speleology have been invited, as follows:

PHOTOS © SPEAKERS' PERSONAL ARCHIVES

SUNDAY 20 JULY - 07:00 pm

"Living with Karst: Results and Possibilities from the International Year of Caves and Karst"



George Veni
(USA)

- *President of the UIS (2017-2022).*
- *Executive Director of the US National Cave and Karst Research Institute (2007-2023).*

MONDAY 21 JULY - 11:00 am

"UNESCO World Heritage Caves and Karst: Present Situation and Future Prospects"

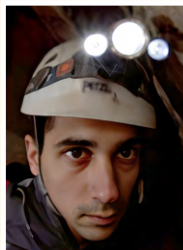


Paul Williams
(New Zealand)

- *Adjunct Secretary of the UIS (2005-2013).*
- *Professor Emeritus, University of Auckland New Zealand*
- *IUCN Karst and Geoscience Consultant.*

TUESDAY 22 JULY - 11:00 am

"Global Conservation of Subterranean Biodiversity"



Stefano Mammola
(Italy)

- *Ecologist and conservation biologist at the Italian National Research Council, with a primary interest in understanding biodiversity patterns from local to continental scales.*

THURSDAY 24 JULY - 11:00 am

"Cave Microbes: How Caves are Going to Save us All"



Hazel Barton
(USA)

- *Microbiologist, geologist and cave diving explorer, interested in extremophile microorganisms.*

FRIDAY 25 JULY - 11:00 am

"The Largest Caves in the World"



Andy Eavis
(United Kingdom)

- *President of the UIS (2005-2013)*
- *Cave Explorer and organizer of over 40 expeditions to many parts of the world.*
- *Honored by the Royal Geographical Society with their Top Award.*
- *In 2018 the expedition team received the Malaysian Merdeka Award for their contribution to the people of Malaysia.*

SATURDAY 26 JULY - 11:00 am

"Unveiling the Complex Cave Systems of the Yucatán Peninsula"



Robbie Schmittner
(Germany)

- *He has been studying the mostly water-filled cave systems beneath the Yucatán Peninsula for 27 years. Together with his colleagues, he has successfully connected fifteen cave systems, documenting the world's longest underwater cave (Sac Actun).*

LIST OF SESSIONS AND SPECIAL SESSIONS

- Session 01: History of Speleology, Arts and Letters**
Coordinators: Daivisson Batista Santos & Maria Alejandra Perez
- Session 02: Cave Archaeology**
Coordinator: André Strauss
- Session 03: Cave Paleontology**
Coordinators: Alex Hubbe & Donald McFarlane
- Session 04: Cave Mineralogy and Sediments**
Coordinators: Bogdan P. Onac & Paolo Forti
- Session 05: Geochronology, Paleoclimatology, and Climate Change**
Coordinators: Giselle Utida & Phillipe Häusemann
- Session 06: Karst Geomorphology**
Coordinators: Lucas Padoan de Sá Godinho & Nadja Zupan Hajna
- Session 07: Karst Hydrogeology and Speleogenesis**
Coordinators: José Antônio Ferrari & Paul Williams
- Session 08: Cave and Karst Protection and Management**
Coordinators: Luciana Alt & Jean Claude Thies
- 08.1: Audio and Video Productions**
Coordinators: Daniel Menin & Boris Watz
- 08.2: Cave and Karst Tourism**
Coordinators: Vitor Moura & Friedrich Oedl
- 08.3: Environmental Education**
Coordinators: Christiane Donato & Andrés Hegedus
- 08.4: Legislation**
Coordinators: Diego Bento & Nathalia Uasapud
- Session 09: Exploration, Speleological Techniques, and Materials**
Coordinators: Elizandra Gomig & Natalia Morata
- 09.1: Cave Diving**
Coordinators: Lívia Medeiros & Rodrigo Severo
- 09.2: Exploration**
Coordinators: Elizandra Gomig & Natalia Morata
- 09.3: Topography, Mapping, 3D Scanning, and Documentation**
Coordinators: Carlos Grohmann & Patricia Kambesis
- Session 10: Cave Rescue**
Coordinators: Simone Devus & Gyula Hegedüs
- Session 11: Artificial Cavities**
Coordinators: Hernani Mota de Lima & Mario Parise
- Session 12: Pseudokarst and Non-Traditional Karst**
Coordinators: Joel Rodet & Jan Urban
- Session 13: Volcanic Caves**
Coordinator: John Brush
- Session 14: Climatology and Monitoring**
Coordinators: Valdir Felipe Novello & José-Maria Calaforra
- Session 15: Special Topics**
Coordinator: Rodrigo Lopes Ferreira
- Session 16: Subterranean Biology**
Coordinators: Marconi Souza Silva, Annette Summers & José G. Palacios Vargas

TIMETABLE OF SYMPOSIA

TUESDAY, JULY 22, 2025

GÈZE Auditorium

SYMPOSIUM ON CAVES IN FERRUGINOUS ROCKS

Coordinator: Allan Calux

SUMMARY

The symposium on caves in ferruginous rocks is organized around two principal themes. The first aims to discuss the speleogenesis of these peculiar features in light of various models of genesis and development; the second, focusing on the biodiversity of subterranean environments, will provide a comprehensive assessment of distribution patterns using genomics.

08:00 - 08:05: Opening

Dr. Allan Calux - Karst Applied Research Centre/Brazil

08:05 - 8:20: Round table (Speleogenesis)

“Contributions of the Geotechnical Cave Index (IGC) to understanding the dynamics of “incasão” in ferruginous rock caves”

Dr. Iuri Brandi - Vale/Brazil

08:20 - 8:35: Round table (Speleogenesis)

“Bats as ecosystem engineers in iron ore caves in the Caraja’s National Forest”

Dr. Enrico Bernard - Universidade Federal de Pernambuco/Brazil

08:35 - 08:50: Round table (Speleogenesis)

“The Role of Chemosynthetic Microorganisms in the Formation of Caves in Ferruginous Rocks”

Dr. Hazel Barton - University of Alabama/USA

08:50 - 9:20: Questions and Discussions (Speleogenesis)

09:20 - 09:30: Break

09:30 - 09:45: Round table (Biodiversity)

“Using genomics to understand biodiversity distribution patterns in ferruginous Brazilian caves”

Dr. Santelmo Selmo de Vasconcelos Júnior - Instituto Tecnológico Vale/Brazil

09:45 - 10:00: Round table (Biodiversity)

“How unique are subterranean biological communities in ferruginous caves across the Amazon? Species-area relationships and ecological similarity in the Carajás speleological province”

Dr. Leonardo Carreira Trevelin - Instituto Tecnológico Vale/Brazil

10:00 - 10:30: Questions and Discussions (Biodiversity)

10:30 - 10:40: Acknowledgments and closing

Dr. Allan Calux - Karst Applied Research Centre/Brazil

POSTOJNA Hall
SYMPOSIUM ON KARST GEOLOGY

Coordinator: Lucas Padoan de Sá Godinho

SUMMARY

The Karst Geology Symposium is structured as a sequence of six lectures from internationally recognized authors who made significant contributions to the evolution of thought in karst geology. The topics to be discussed include advances in speleogenesis, cave sedimentology, speleothem records, and site examples of karst diversity. This symposium will be a great opportunity for academic researchers, students, cave explorers, company owners, and employees to learn from and interact directly with great researchers in karst geology. Every lecture will be delivered in 35 minutes plus 5 minutes for questions and comments from the audience. In the middle of the session, there will be a 15-minute break for coffee and snacks.

14:00 - 14:35: *“Cave Form as a Geological Signature: How Lithology and Speleogenetic Mode Shape Subterranean Architecture”*

Dr. Patricia Kambesis - Western Kentucky University, Bowling Green/USA

14:35 - 15:10: *“Brazilian Karst and Speleology”*

Dr. Augusto Auler - Karst Institute/Brazil

15:10 - 15:45: *“Hypogene Speleogenesis - Hydrogeology, Cave Pattern and Morphology”*

Dr. Philippe Audra - Université Côte d'Azur, Nice/France

15:45 - 16:00: Coffee break

16:00 - 16:35: *“Cave Sedimentology: History and Recent Advances”*

Dr. Rachel Bosch - Aecom, Cincinnati/USA

16:35 - 17:10: *“Anthropogenic Drought Captured in the Southern American Speleothem Record”*

Dr. Nicolás Misailidis Stríkis - Universidade de São Paulo/Brazil

17:10 - 17:45: *“Contrasts between British Carbonate Karst Areas”*

Dr. John Gunn - University of Birmingham/UK

POSTOJNA Hall
SYMPOSIUM ON CHIROPTEROFAUNA
Caves and bats, bats and caves

Coordinator: Enrico Bernard

SUMMARY

Caves and bats, bats and caves” Symposium - There is an intrinsic relationship between caves and bats and, around the world, hundreds of species of bats find their unique or priority shelters in caves. Bats are essential as transporters of organic matter into caves, and thousands of other cave-dwelling species benefit from the bat guano. This guano is also equally important in chemical and physical reactions capable of influencing the formation of minerals, speleothems, and the structure and dynamics of the caves themselves. The relationship between caves and bats needs to be better understood, especially at a time when both caves and their bat populations are suffering from several threats. This symposium will bring together experts from different areas who study the various aspects of the interaction between bats and caves. Aspects of the role of guano in cave chemistry, long-term monitoring experiences with lessons learned, and cave conservation strategies essential for the maintenance of endangered bat species will be addressed. The symposium is structured with two main lectures and a round table, followed by a question-and-answer session.

14:00 - 14:10: Opening

Dr. Enrico Bernard - *Universidade Federal do Pernambuco/Brazil*

14:10 - 14:50: 1st lecture: “*The impact of topical bat colonies on caves*”

Dr. Donald McFarlane - *Pitzer Professor of Biology, Pitzer and Scripps Colleges/USA*

14:50 - 15:30: 2nd lecture: “*Designing cave conservation measures for some of the worlds most endangered species of bats*”

Dr. Jon Flander - *Bat Conservation International/USA*

15:30 – 16:00 : Interval

16:00 - 16:20: Round table: “*Premises for bat and cave conservation*”

Dr. Enrico Bernard - *Universidade Federal de Pernambuco/Brazil*

16:20 - 16:40: Round table: “*Dissipating the shades and perceiving the nuances in the dark: boosting our perception and solutions to conserve cave bats*”

Dr. Valéria Tavares - *Instituto Tecnológico Vale/Brazil*

16:40 - 16:50: Round table: “*Long-term monitoring of Southern Bent-wing Bat population size and dynamics at Naracoorte/South Australia*”

Nicola Judy Bail - *The University of Adelaide, Zoos Victoria - Coordinator of the Southern Bent-wing Bat National Recovery Team*

CIGNA Auditorium
SYMPOSIUM ON SUBTERRANEAN BIOLOGY

Coordinators: Rafaela Pietrobon and Diego Bento

SUMMARY

The symposium aims to provide discussions on the challenges for the conservation of subterranean ecosystems (except bats, discussed in another specific symposium) based on different points of view around the world: researchers, conservation institute, entrepreneur and consultancy agency.

08:00 - 08:05: Opening

Dr. Rafaela Pietrobon - Samarco S.A./Brazil

Dr. Diego Bento - CECAV/ICMBio/Brazil

08:05 - 08:35: Main lecture theme:

“Five global challenges hindering effective conservation of subterranean ecosystems.”

Dr. Stefano Mammola - Water Research Institute/Italy

08:35 - 08:45: Time for questions

08:45 - 09:00: Round table: *“Threats and proposals for protection measures in caves in northern Spain.”*

Dr. Alberto Sendra - Universidad de Alcala/Spain

09:00 - 09:15: Round table: *“Threats and proposals for protection measures in caves in Southern Spain.”*

Dr. Pablo Barranco - Universidad de Almeria/Spain

09:15 - 09:30: Round table: *“Balancing uncertainty and irreplaceability: A governmental perspective on subterranean biodiversity conservation.”*

Dr. Diego Bento - CECAV/ICMBio/Brazil

09:30 - 09:45: Round table: *From Rock Exploration to Cave Conservation: Bridging Mining and Conservation Practices to Preserve Cave and Karst Heritage.*

M. Sc. Xavier Prous - Vale/Brazil

09:45 - 10:00: Round table: *“Species, Scales and Schedules: How regulatory frameworks and sampling design shape conservation outcomes.”*

Dr. Marcus Oliveira - BioEspeleo Consultoria Ambiental/Brazil

10:00 - 10:30: Questions and Discussions

10:30 - 10:40: Acknowledgments and closing

Dr. Rafaela Pietrobon - Samarco S.A./Brazil

Dr. Diego Bento - CECAV/ICMBio/Brazil

POSTOJNA Hall
**SYMPOSIUM ON PROTECTION AND MANAGEMENT
 OF CAVES AND KARST ENVIRONMENTS**

Coordinator: Jocy Brandão Cruz

SUMMARY

The Symposium on the Protection and Management of Caves and Karst Environments will bring together experts, researchers, and environmental managers in two roundtable discussions, preceded by keynote lectures. One of the lectures will address the current state of speleological legislation in reference countries, while the other will focus on the management and use of karst areas. These activities will explore priority issues for the conservation and sustainable use of these environments. The event will also be an opportunity for the speleological community, both national and international, to interact directly with renowned speakers, fostering enriching dialogue and the sharing of ideas and experiences. The symposium aims to strengthen the integration between science, public policies, and management, offering a platform for building collaborative networks and advancing global strategies for the conservation and management of karst environments.

Roundtable 1: Legislation

14:00 - 14:30: Lecture

Jocy Brandão Cruz - *Coordinator of the National Center for Cave Research and Conservation (ICMBio/Cecav), Brazil*

Roundtable 1: Discussants

14:30 - 14:55: Marcelo Marcelino - *Director of Biodiversity Research, Assessment, and Monitoring at the Chico Mendes Institute for Biodiversity Conservation (ICMBio/MMA), Brazil*

14:55 - 15:20: Dr. Nathalia Uasapud - *Geologist, UIS Adjunct Secretary, Delegate of the International Union of Speleology for Colombia, Colombia*

15:20 - 15:40: Questions

Roundtable 2: Management

16:00 - 16:30: Lecture Kevin Downey - *Cave photographer with a background in geology, film, and photographic sciences from the University of Massachusetts, United States*

Roundtable 2: Discussants

16:30 - 16:55: Pedro de Castro da Cunha e Menezes - *Director of the Department of Protected Areas at the Ministry of the Environment and Climate Change, Brazil*

16:55 - 17:20: Ros Fatimah Muhammad - *President of the Malaysian Cave and Karst Conservancy, Malaya*

17:20 - 17:40: Questions

ERASO Auditorium
SYMPOSIUM ON CAVE PALEONTOLOGY

Coordinator: Dr. Mário Dantas

SUMMARY

The symposium will feature three lectures presenting updates and proposals on important themes for Cave Paleontology (Taxonomy and Paleoecology), with leading experts in each of these fields in Brazil.

08:00 - 08:50: “A contribuição da Paleontologia de cavernas para a história evolutiva dos Tayassuidae sul-americanos”

Dr. Rodrigo Parisi Dutra - Pontifícia Universidade Católica de Minas Gerais/Brazil

08:50 - 09:40: “Macacos, cavernas e florestas: os depósitos espeleológicos e a Primatologia Neotropical”

Dr. André Vieira Araújo - Universidade Federal do Sertão Pernambucano/Brazil

09:40 - 10:40: “Retratos do passado: composição e Paleoecologia da megafauna da Região Intertropical Brasileira”

Dr. Mário André Trindade Dantas - Universidade Federal da Bahia (IMS/CAT)/Brazil

10:40 - 10:50: Closing session

TIMETABLE OF ORAL PRESENTATIONS

MONDAY, JULY 21, 2025

LE BRET Auditorium

SESSION 02: CAVE ARCHAEOLOGY

- 14:00 – 14:20 - **INDICES OF HUMAN FREQUENTATION DEDUCED FROM SPELEOTHEMS, EXAMPLES FROM SE FRANCE**
J.Y. Bigot
- 14:20 – 14:40 - **AN ALTERNATIVE TO CERAMICS: THE UNDERGROUND WATER BASINS BUILT AND DUG**
J.Y. Bigot
- 14:40 – 15:00 - **HISTORICAL ROCK RECORDS IN BRAZILIAN NATURAL CAVITIES: THE CASE OF TIGRE E CASCAVEL CAVE**
G.P. Azevedo, M.P.S. Miranda, M.T. Lima & F.A.K.A. Rahman
- 15:00 – 15:20 - **INDIGENOUS EXPLORATION AT HELMS DEEP CAVE, TENNESSEE: LATE ARCHAIC RADIOCARBON DATES FROM RIVER CANE TORCHES**
J.C. Douglas & H.D. Love
- 15:20 – 15:40 - **FORMATION OF THE DEAD SEA SCROLLS CAVES**
A. Frumkin
- 16:00 – 16:20 - **PINTURAS RUPESTRES NO CARSTE DO ALTO DO RIO SÃO FRANCISCO: POSSIBILIDADES DE PESQUISA**
A.T. Diniz & L.V. Silva

ERASO Auditorium

SESSION 05: GEOCHRONOLOGY, PALEOCLIMATOLOGY, AND CLIMATE CHANGE

- 08:00 – 08:20 - **EARLY-MIDDLE HOLOCENE CLIMATE RECONSTRUCTION FROM THE QADISHA RECORD (LEBANON)**
C. Nhhme, S. Verheyden, T. Kluge, F.H. Nader, R.L. Edwards, H. Cheng, E. Eiche & P. Claeys
- 08:20 – 08:40 - **EISKAPELLE – 33 YEARS OF MONITORING A FIRN ICE FIELD WITH THE EISKAPELLE CAVE SYSTEM IN THE GERMAN ALPS**
A. Wolf, S. Bauer, F. Knolle
- 08:40 – 09:00 - **EXAMINING THE INTERNAL STRUCTURE AND GEOCHEMICAL PROPERTIES OF THE LOWER DISK OF A PALETTE SPELEOTHEM**
Á.A. Garcia JR., B. Maldonado-Arroyo & Á. A. Acosta-Colón
- 09:00 – 09:20 - **DIVING INTO THE PAST: SUBMERGED COASTAL CAVES AS ARCHIVES OF CROATIAN ENVIRONMENTAL HISTORY**
N. Lončar

SESSION 08: CAVE AND KARST PROTECTION AND MANAGEMENT

Subsession 08.4: Legislation

- 09:40 – 10:00 - **CONTROVERSIES, CONFLICTS AND AGREEMENTS ON CAVES PROTECTION**
P. Fleury, M.C. Kankester
- 10:00 – 10:20 - **VULNERABILITY INDEX OF SPELEOLOGICAL HERITAGE TO IMPACTS**
T. Souza, D. Pujoni & A.S. Auler
- 10:20 – 10:40 - **EUROPEAN ENVIRONMENTAL CAVES OUTLOOK PROJECT**
F. Didonna & P. Fleury
- 14:00 – 14:20 - **UNITED NATIONS AND SPELEOLOGY**
B. Vogel, G. Veni, F. Didonna & J. Dreybrodt
- 14:20 – 14:40 - **KARST IN GYPSUM AND ANHYDRITE ROCKS OF GERMANY – THREATENED BY QUARRYING**
S. Kempe, S. Bauer, F. Knolle & F. Vladi
- 14:40 – 15:00 - **LOST CAVES OF GERMANY**
H. Steiner, G. Stein, B. Vogel, F. Knolle & A. Wolf
- 15:00 – 15:20 - **KARST CONSERVATION IN COASTAL BRITISH COLUMBIA: PROGRESS AND SHORTCOMINGS**
P. Griffiths & C.L. Ramsey
- 15:20 – 15:40 - **KARST AND CAVE SUSTAINABLE MANAGEMENT IN SENEGAL**
M. Pouye
- 16:00 – 16:20 - **QUAIS CONDICIONANTES AMBIENTAIS ESPELEOLÓGICAS ESTÃO PREVISTAS NAS NORMATIVAS FEDERAIS?**
I.P.M.R. Oliveira & V.U.S. Guardieiro
- 16:20 – 16:40 - **APARATO LEGAL AMBIENTAL NO BRASIL: EM QUE MEDIDA AS PAISAGENS CÁRSTICAS ESTÃO PROTEGIDAS?**
M.C. Pereira
- 16:40 – 17:00 - **IMPORTÂNCIA DA ATUAÇÃO DO GRUPO INTERDISCIPLINAR DE ESPELEOLOGIA DE MINAS GERAIS: ANÁLISE DE ATAS DE REUNIÃO NO PERÍODO DE 2018 A 2022**
A.C.A. Melo & I.P.M.R. Oliveira

TIMETABLE OF ORAL PRESENTATIONS

MONDAY, JULY 21, 2025

- 17:00 – 17:20 - **KARST TERRAINS IN CARBONATE ROCKS IN THE STATE OF BAHIA – BRAZIL: A REGIONAL APPROACH**
R.G.F.A. Pereira, R. Parra, C.G.C. Purificação, L.L. Ferreira, T.C. Jesus & F.P. Santos
- 17:20 – 17:40 - **A PROTEÇÃO JURÍDICA DAS CAVERNAS E A CONSERVAÇÃO DO PATRIMÔNIO PALEONTOLÓGICO: DESAFIOS E PERSPECTIVAS**
G.A. Viana & Y.A. Lima
- 17:40 – 18:00 - **ALUSIONES INDIRECTAS AL ENTORNO KÁRSTICO EN DOCUMENTOS CONSTITUCIONALES SURAMERICANOS**
R. Carreño & M. Ramos

CIGNA Auditorium

SESSION 16: SUBTERRANEAN BIOLOGY

- 08:00 – 08:20 - **INVERTEBRATE FAUNA IN CUCHILLO CURÁ CAVE SYSTEM: THE FIRST HOTSPOT OF SUBTERRANEAN BIODIVERSITY IN PATAGONIA LOWLANDS**
M.S. Silva, H.A. Iuri, M.A. Mattioni, R.A. Zampaulo, G. Redonte, M. Paparas, S. Sicilia, R.L. Ferreira
- 08:20 – 08:40 - **A NEW SPECIES OF ATTALEACHERNES BEIER, 1937 (PSEUDOSCORPIONES, CHERNETIDAE) FROM NORTHEASTERN BRAZIL**
L. L. S. Silva, G. C. Prado & R. L. Ferreira
- 08:40 – 09:00 - **ECOLOGICAL ASPECTS OF THE CAVE FAUNA IN SERRA DO GANDARELA NATIONAL PARK: A KEY CONSERVATION UNIT IN THE IRON QUADRANGLE, MINAS GERAIS**
M.F.V.R. Souza, V.G.P. Junta, L.A. Silva, S.G. Barbosa, G.P. Perroni, G.S.M. Pacheco, R.K.S. Costa & M.H. Simões
- 09:00 – 09:20 - **PHAGE-HOST DYNAMICS IN THE WIND CAVE LAKES, SOUTH DAKOTA**
N. Friedrich & H. Barton
- 09:20 – 09:40 - **DOES SIZE MATTER? CAVE SIZE DRIVING SEASONALITY EFFECTS ON CAVE COMMUNITIES IN BRAZILIAN SAVANNAH**
V.G.P. Junta, J. Coelho, M. Oliveira-Santos, O. Pereira, M.H. Simões, G. Pacheco, R.K.S. Costa & M. Pedroso
- 09:40 – 10:00 - **STRATEGIC SITES FOR CAVE PROSPECTING AND NON-TROGLOBITIC FAUNAL SURVEYS IN BRAZIL**
R.A. Castro-Souza, R.L. Ferreira, M.S. Silva, G. Oliveira, A. Kempner & T. Sobral-Souza
- 10:00 – 10:20 - **CENOTES, WINDOWS TO THE UNDERGROUND AQUIFER, LINK BETWEEN GEOMORPHOLOGY AND ENVIRONMENTAL CHARACTERISTICS: DIFFERENT TYPES OF ECOSYSTEMS**
D.A.C. Fernandez, N. Simões & H.S. Garrido
- 10:20 – 10:40 - **THE INFLUENCES OF ENVIRONMENTAL FACTORS ON CAVE INVERTEBRATE COMMUNITIES IN A ATLANTIC RAINFOREST AREA**
L.M.R. Melo, R.L. Ferreira & M. Souza-Silva
- 14:00 – 14:20 - **POPULATION ECOLOGY OF RHAMDIA ENFURNADA (SILURIFORMES: HEPTAPTERIDAE), TROGLOBITIC CATFISH FROM NORTHEAST BRAZIL**
E. Trajano, S. Seccutti & R. Bessi
- 14:20 – 14:40 - **TEMPORAL AND SPATIAL DYNAMICS OF A BRAZILIAN CAVE-RESTRICTED FRESHWATER SPONGE**
G.A.S. Vaz, M. Souza-Silva & R.L. Ferreira
- 14:40 – 15:00 - **BENEATH OUR FEET: UNRAVELING THE ROLE OF SOIL IN SHAPING SUBTERRANEAN ANT DIVERSITY IN A NEOTROPICAL KARST**
D.V. Alves, I.W.G. Carvalho, M.M.S. Costa, M.F.O. Martins, M.L.S. Souza, M.S. Silva & R.L. Ferreira
- 15:00 – 15:20 - **BETWEEN HEAT AND SHADE: THE IMPACT OF CLIMATE AND SOIL TEMPERATURE ON ANTS SUBTERRANEAN BIODIVERSITY**
M.L.S. Souza, D.V. Alves, I.W.G. Carvalho, M.F.O. Martins, M.S. Silva & R.L. Ferreira
- 15:20 – 15:40 - **CAVE INVERTEBRATES SIMILARITY DRIVER BY MICROHABITATS ATTRIBUTES AND "LAJEADOS" DISTRIBUTION**
F.C. Jordão, M. Souza-Silva & R.L. Ferreira
- 16:00 – 16:20 - **ADVANCING MOROCCAN CAVE BIODIVERSITY KNOWLEDGE: NEW DISCOVERIES AND UPDATED TAXONOMIC RICHNESS**
S. Moutaouakil & M. Ghamizi
- 16:20 – 16:40 - **DO WE STILL NEED TO COLLECT CAVE SPECIES TO EVALUATE THE EFFECTS OF ENVIRONMENTAL PREDICTORS?**
D. Alvarenga, M.P.A. Oliveira, M.B. Mescolotti, M. Merlo, G. Argolo, V.M. Martins, A.C.M. Viana & A. Barata
- 16:40 – 17:00 - **AUMENTO DA BIODIVERSIDADE DE INVERTEBRADOS APÓS A REMOÇÃO DE MATERIAL PARTICULADO EM CAVIDADES SUBTERRÂNEAS NATURAIS**
L.D. Audino, E.L. Borges Filho, L.F.O. Bernardi, J.M. Neto, B.R.S. Silva, J.B. Timo, S.C. Santos & M.B. Timo

TIMETABLE OF ORAL PRESENTATIONS

MONDAY, JULY 21, 2025

- 17:00 – 17:20 - **A DEPTH MATTER: DIVERGENT RESPONSES OF TROGLOBITE AND NON-TROGLOBITE FAUNA TO HABITAT TRAITS**
V.G.P. Junta, M. Souza-Silva & R.L. Ferreira
- 17:20 – 17:40 - **INFLUENCE OF HABITAT HETEROGENEITY AND SAMPLING SCALE ON INVERTEBRATES CAVE FAUNA**
A.H.S.R. Ferreira, M. Souza-Silva & R.L. Ferreira
- 17:40 – 18:00 - **ARTROPODOFAUNA DE LA CUEVA TURÍSTICA “CUEVA DE NERJA” (MÁLAGA, ESPAÑA)**
P. Barranco, P. Castillo, Y. Rosal, C. Liñán, A. Fernández-Cortés, I. Balanzategui & A. Tinaut
- 18:00 – 18:20 - **INVERTEBRATE COMMUNITY IN THE BIRD (AVES) AND BAT (MAMMALIA) GUANO FROM THE LIMESTONE CAVES OF THE ANDAMAN ISLANDS, INDIA**
S. Manchi, D. Kawalkar & S.K. Jena

PILÓ Auditorium

SESSION 08: CAVE AND KARST PROTECTION AND MANAGEMENT Subsession 08.1: Audio e Video Production

- 08:00 – 08:20 - **THE NULLARBOR IS UNDER THREAT**
J. Crockett, C. Buswell & S. Iannello

SESSION 12: PSEUDOKARST AND NON-TRADITIONAL KARST

- 08:20 – 08:40 - **FORMATION OF MOULINS**
B.R. Mavlyudov
- 08:40 – 09:00 - **PIPING EROSION AND ITS IMPACT ON LANDSCAPE MORPHOLOGY AT THE DEAD SEA BASIN, ISRAEL**
B. Langford, A. Gayer & A. Frumkin
- 09:00 – 09:20 - **CARACTERIZAÇÃO GENÉTICA E MORFOLÓGICA DAS CAVIDADES NATURAIS GRANÍTICAS DO MUNICÍPIO DE NOVA VENÉCIA**
R.S. Araujo & M.C. Pereira
- 09:20 – 09:40 - **CAVIDADES NATURAIS EM GRANITO: BREVE REVISÃO DE TIPOS**
E.A. Haddad & A. Pizarro
- 09:40 – 10:00 - **ALLUVIUM OR ALTERITES IN QUARTZITE KARST? THE CASE OF MONTE CRISTO CAVE (MINAS GERAIS, BRAZIL)**
J. Rodet, A.M.C. Vasconcelos & F.P. Rodrigues
- 10:00 – 10:20 - **A GRUTA QUARTZÍTICA LAPA SANTA: CARACTERIZAÇÃO, GÊNESE E CONTRIBUIÇÕES PARA O ESTUDO DO CARSTE SILICICLÁSTICO**
B.V.R. Leão, A.M.C. Vasconcelos & J. Rodet
- 10:20 – 10:40 - **REGISTRO E CARACTERIZAÇÃO DA PALEOTOCA “CAVERNA DO RIBEIRO” COMO POTENCIAL GEOSÍTIPO DO PROJETO GEOPARQUE PRUDENTÓPOLIS - PR**
R. Balestieri
- 14:00 – 14:20 - **SPELEOGENESIS IN QUATERNARY CLASTIC SEQUENCES ALONG THE ACTIVE FRONT OF SOUTH-EASTERN ALPS, A CASE STUDY FROM CASTEL SOTTERRA CAVE (VENETO, ITALY)**
M. Fioraso, A. Riva, A.M.D. Valle, F. Narduzzi, P. Corsini, F. Gallo & C. Macedo
- 14:20 – 14:40 - **EXPLORATION AND MAPPING OF GLACIER CAVES OF THE SOUTHERN PATAGONIAN ICE-SHEET**
T. Racine, B. Tourte & N. Morata-Calvo
- 14:40 – 15:00 - **ORIGIN OF LOESS PIPES AND CAVES: OVERLOOKED EFFECT OF CONFINEMENT IN LOESS EROSION**
J. Vojtisek, J. Bruthans & T. Weiss
- 15:00 – 15:20 - **SILICICLASTIC CAVE OR DIAMOND MINE? THE CASE OF CANAL DA FUMAÇA, IGATU VILLAGE, CHAPADA DIAMANTINA - BAHIA, BRAZIL**
R. Parra, R.G.F.A. Pereira, L.F. Vieira & R.P. Maia
- 15:20 – 15:40 - **ARCHED SHAPES IN GRANULARLY DISINTEGRATING ROCKS AND HOW TO MEASURE THEIR DEGREE OF WEATHERING?**
M. Filippi & J. Bruthans
- 16:00 – 16:20 - **A RARE CAVE DEVELOPED IN SILCRETE: INFERENCES FOR UNDERSTANDING SOIL SILICIFICATION**
T.G.R. Ribeiro & C.F. Stumpf
- 16:20 – 16:40 - **ANÁLISE DIMENSIONAL, MORFOLÓGICA E PAISAGÍSTICA DE CAVERNAS SILICICLÁSTICAS NO SETOR NOROESTE DA SERRA DO LENHEIRO, SÃO JOÃO DEL REI-MG**
P.G.G. Rossi, L.C. Rocha, L.H.S. Vital, U. Passarelli & A.C.F. Ribeiro
- 16:40 – 17:00 - **MINERAL COMPOSITION OF NON-CARBONATE SPELEOTHEMS FROM NON-KARST CAVES OF THE POLISH OUTER CARPATHIANS**
W. Margielewski, M. Marszałek, G. Rzepa, M. Schejbal-Chwastek & J. Urban

TIMETABLE OF ORAL PRESENTATIONS

MONDAY, JULY 21, 2025

- 17:00 – 17:20 - MULTICRITERIA ANALYSIS FOR THE INVESTIGATION OF ARENITIC CAVITIES: INSIGHTS FROM SERRA DE ITAQUERI, SÃO PAULO, BRAZIL**
S.H. Riffel, I.M. Cunha, A.C. Costa, F. Braido, P.H.V. Silva, F. Bonfá, M.O. Neto & R. Hardt
- 17:20 – 17:40 - NA BRECHA APERTA: IDENTIFICANDO A AÇÃO DA ÁGUA NAS CAVERNAS BASAIS**
V. Perondi, L.P. Fragomeni, J. Soares, C. Voltolini, I. Voltolini, M.M. Guimarães, M.P.A. Oliveira & R. Soares
- 17:40 – 18:00 - VALINHOS GRANITIC PSEUDOKARST: 20 YEARS OF RESEARCH**
F. Trus & C.S. Kinoshita
- 18:00 – 18:20 - KARREN AND CAVES IN GRANITE ISLANDS OF SEYCHELLES**
C. Mouret

TRIMMEL Auditorium

SESSION 11: ARTIFICIAL CAVES

- 08:40 – 09:00 - ERDSTÄLLE – MYSTERIOUS UNDERGROUND STRUCTURES IN CENTRAL AND WESTERN EUROPE**
F. Lindenmayr
- 09:00 – 09:20 - HISTORICAL ARTIFICIAL CAVES IN BRAZIL: FROM A FASHION TO AN ART AND ARCHITECTURAL PROPOSAL (OR VICE VERSA)**
L.E. Faria & A.C.M. Siqueira
- 09:20 – 09:40 - UPDATING THE TYPOLOGY CLASSIFICATION OF ARTIFICIAL CAVITIES**
C. Galeazzi, C. Germani, G. Belvederi, R. Bixio, M. Betti & M. Parise

SESSION 15: SPECIAL TOPICS

- 14:00 – 14:20 - APPLICATION OF KARST DISTURBANCE AND SENSITIVITY INDICES AND IMPLICATIONS FOR GEOCONSERVATION ON NEW PROVIDENCE ISLAND, THE BAHAMAS**
M. Stephens, T.T. Major, S.L. Brown, J.Z. Andrejic, J.E.V. Davis & K. Welsh
- 14:20 – 14:40 - DETECTION OF MICROPLASTICS IN CUEVA TALLONAL AT ARECIBO, PUERTO RICO**
I.M. Cruz-Melecio & Á.A. Acosta-Colón
- 14:40 – 15:00 - FROM VECTORS TO SPIRALS OF LIFE: CONNECTING THREE REMARKABLE SITES IN THE PUERTO RICAN KARST**
M.A. Pérez
- 15:00 – 15:20 - PERUAÇU 3D – UMA EXPERIÊNCIA VIRTUAL NAS CAVERNAS**
A. Lobo
- 15:20 – 15:40 - EVOLUTION OF THE SPELEOMEDIT PROJECT**
F. Didonna, V. Ferrer & F. Maurano
- 16:00 – 16:20 - VERÃO A DIVERSIDADE: MULHERES NA ESPELEOLOGIA EM UM NOVO TEMPO**
P.F.C. Sousa & M.N.M. Silva
- 16:20 – 16:40 - GEOPROCESSAMENTO APLICADO AO CONTROLE DE VIBRAÇÕES EM CAVIDADES LOCALIZADAS NO ENTORNO DE MINERAÇÕES À CÉU ABERTO**
A.F. Rezende & L.A.C. Luzzi
- 16:40 – 17:00 - DA SUPERFÍCIE AO SUBTERRÂNEO: APLICAÇÃO DE MODELAGEM DIGITAL PARA DEFINIR BACIAS HIDROLÓGICAS DE CAVERNAS**
A.H.F. Coelho, J.A. Moura, M.P.A. Olliveira & J. Moreira
- 17:00 – 17:20 - EXPLORING SUICIDE PATTERN IN THE KARST ENVIRONMENT OF GUNUNGSEWU INDONESIA**
M.R. Rafida & E. Saputra
- 17:20 – 17:40 - THE IMPORTANCE OF HARMONIZED TERMINOLOGY FOR THE PROTECTION OF CAVES AND KARST LANDSCAPES**
S. Bauer & M. Filippini
- 17:40 – 18:00 - INTEGRAÇÃO DE INTELIGÊNCIA ARTIFICIAL NO ESPELEOVALE – UM SISTEMA SAAS PARA ANÁLISE DE DADOS ESPELEOLÓGICOS**
W. Araújo, R. Araújo & E. Oliveira
- 18:00 – 18:20 - SOFTWARE PARA GERENCIAMENTO DE DADOS ESPELEOLÓGICOS: ESTUDO DE CASO DE DUAS CAVIDADES DE MÁXIMA RELEVÂNCIA**
A. Assunção, F. Oliveira, G. Melo, N. Oliveira, G.P. Perroni, E. Oliveira, M. Normitta & A. Souza

TIMETABLE OF ORAL PRESENTATIONS

TUESDAY, JULY 22, 2025

LE BRET Auditorium

SESSION 01: HISTORY OF SPELEOLOGY, ARTS AND LETTERS

- 08:00 – 08:20 - **CONTRIBUTIONS TO THE BIOGRAPHY OF SPELEOLOGIST JEAN-LOUIS CHRISTINAT**
L.E. Faria
- 08:20 – 08:40 - **REFLEXIONES SOBRE LAS MUJERES EN LA HISTORIA DE LA ESPELEOLOGÍA: TRAYECTORIA Y PROTAGONISMO EN EL GRUPO AJAU (YUCATÁN, MÉXICO)**
A.L. UC & F.T. Pool
- 08:40 – 09:00 - **LAVA TUBE DISCOVERIES IN HAWAI'I MADE BY CIVIL DEFENSE FOR THE NUCLEAR FALLOUT SHELTER PROGRAM**
A.S. Engel
- 09:00 – 09:20 - **THE CAVES OF THE GREEK REVOLUTION WITHIN AND WITHOUT THE THEATRE**
X. Georgopoulou
- 09:20 – 09:40 - **STILLWATER FACETS, 200 YEARS OF RESEARCH – A SHORT HISTORY**
F. Knolle, S. Kempe & F. Reinboth
- 09:40 – 10:00 - **USO DE LAS CUEVAS EN PUERTO RICO**
J.C. Cabrera
- 10:00 – 10:20 - **ESPELEOARTE: A FUSÃO ENTRE ARTE E ESPELEOLOGIA – RESULTADOS 2023 E PERSPECTIVAS FUTURAS**
R.B. Santos
- 10:20 – 10:40 - **CAVES AND UNDERGROUND WORLD IN LITERATURE AND CINEMA BASED ON CLASSICAL WORKS: KARST LANDSCAPE AND CULTURAL SPELEOLOGY**
L.A.V. Figueiredo
- 14:00 – 14:20 - **FOR A HISTORY OF THE GHOSTROCK CONCEPT (FANTOMISATION)**
B. Chirol
- 14:20 – 14:40 - **TO WHAT EXTENT COULD SPELEOLOGY BECOME INTANGIBLE HERITAGE FOR HUMANITY WITH UNESCO?**
B. Chirol
- 14:40 – 15:00 - **SÔNIA MACEDO DE OLIVEIRA – PIONEIRISMO FEMININO NA ESPELEOLOGIA**
S. Eynard, T.M.F.M. Aragão & L.E. Faria
- 15:00 – 15:20 - **ESPELEOLOGIA E ATIVISMO SOCIOAMBIENTAL: 40 ANOS DO GRUPO DE ESTUDOS AMBIENTAIS DA SERRA DO MAR (GESMAR) ENTRE A CIÊNCIA E A AVENTURA**
Z.A.V. Figueiredo, L.A.V. Figueiredo, R.A. Zampaulo, F.S. Ferreira, R.R. Oliveira, J.F. Souza, R. Souza & F.C. Bergo
- 15:20 – 15:40 - **ASPECTOS HISTÓRICOS, SOCIAIS, MÍTICOS E FOLCLÓRICOS SOBRE ROMARIAS EM CAVERNAS NA BAHIA**
D.B. Sangtos & E.P. Barbosa
- 16:00 – 16:20 - **DOWN THE CRATER – A SHORT HISTORY OF VERTICAL VOLCANO ANTHROPOSPELEOLOGY**
F. Lindenmayr

ERASO Auditorium

SESSION 07: KARST HYDROGEOLOGY AND SPELEOGENESIS

- 08:00 – 08:20 - **MAN-DUG WATER WELLS INTERSECTING CAVES, A STATISTICAL APPROACH**
C. Mouret
- 08:20 – 08:40 - **KARST HYDROLOGY FRAMEWORK WITH TIME SERIES MONITORING WITHIN FERN CAVE AREA**
G.M.L. Ponta
- 08:40 – 09:00 - **PROJECT MIKAS (MOST IMPORTANT KARST AQUIFERS SPRINGS): PROGRESS AND REQUEST FOR INFORMATION**
J. Gunn
- 09:00 – 09:20 - **DYE STUDIES TO DELINEATE THE RECHARGE AREA OF THAM LUANG-KHUN NAM NANG NON KARST AQUIFER, THAILAND**
G.M.L. Ponta
- 09:20 – 09:40 - **PRELIMINARY INVESTIGATION ON STREAM FLOW VARIATIONS IN THE BLACK RIVER COMPLEX, ROPPEL SECTION OF THE MAMMOTH CAVE SYSTEM**
L.V. Risteski, P. Kambesis & J. Borden

TIMETABLE OF ORAL PRESENTATIONS

TUESDAY, JULY 22, 2025

- 09:40 – 10:00 - **QUANTIFICATION OF SOLID AND DISSOLVED LOAD FROM THE MASS BALANCE OF A LARGE KARST SPRING – PRELIMINARY RESULTS (KLÄFFER SPRING, EASTERN ALPS)**
M. Nagl & L. Plan
- 10:00 – 10:20 - **ENTRE CASAS E FLORESTAS: COMO O USO DO SOLO ALTERA A INTEGRIDADE DO RIACHO QUE ACESSA A LAPA DO GROTÃO**
T.G. Pellegrini, M.P.A. Oliveira, A.H.F. Coelho, J.A. Moura, D.R. Carvalho & P.S. Pompeu
- 10:20 – 10:40 - **SISTEMA HÍDRICO DE CAVERNAS EM QUARTZITO NA SERRA DE IBITIPOCA, MINAS GERAIS, BRASIL**
A.E.M. Cândido, P.H. Assunção, G.L.C. Oliveira, P.E.S. Lima, T.V. Bastos, L.P.N. Selos, M.T. Lima & L.P. Leão
- 14:00 – 14:20 - **GYPSUM KARST: A TRUE CO₂ SINK**
V. Chiarini, J. De Waele & P. Forti
- 14:20 – 14:40 - **NEWLY DISCOVERED CAVES UNDER ZADAR AIRPORT**
D. Garasic
- 14:40 – 15:00 - **LINKING FRACTURE AND CONDUIT ORIENTATIONS IN THE LAPIAZ OF TSANFLEURON, SWISS ALPS**
A.P.B. Tanaka, C. Trunz, M. Trotter, T. Racine & P. Renard
- 15:00 – 15:20 - **HYPOGENE CAVES, ATMOS AND SULFUR, AND THE LARGEST UNDERGROUND THERMAL LAKE IN THE WORLD**
M. Audy, J. Bruthans, J. Mareš, R. Bouda & V. Bandík
- 15:20 – 15:40 - **THOUGHTS ABOUT DISPERSION IN KARST – A BIT TOO LATE**
S.W. Jones

SESSION 03: CAVE PALEONTOLOGY

- 16:00 – 16:20 - **PRELIMINARY INSIGHTS INTO FOSSIL FINDINGS AT AL-HAMMAM WELL SINKHOLE IN NINEVEH, IRAQ**
H.K. Abdulzahra, W.A. Alhalabi, D. Sedorko, J. Manfroij, I.B. Joude & M.C. Langer
- 16:20 – 16:40 - **EXPANDING THE PALEONTOLOGICAL RECORD IN THE CABACHUELAS NATURE RESERVE, MOROVIS, PUERTO RICO**
S.I.V. Méndez, J.V. Juarbe & A.A. Colon
- 16:40 – 17:00 - **REASSESSMENT OF *TRIGODONOPS LOPESI* ROXO, 1921 BASED ON IDENTIFICATION AND DENTAL ANALYSIS OF TOXODONTINAE MATERIAL FROM CAVES IN BRAZIL**
I.M. Oliveira, L.V. Santos, L.E.P. Travassos, A.G. Vasconcelos & L. Alves-Silva
- 17:00 – 17:20 - **MESO-MEGAMAMMALS FROM THE LATE PLEISTOCENE OF TOCA FRIA CAVE, IUIÚ, BAHIA, BRAZIL**
T. Oliveira, J.P. Costa & M.A.T. Dantas
- 17:20 – 17:40 - **STUDIES IN THE CUCHILLO CURÁ SYSTEM CAVES: NEW PALEONTOLOGICAL AND GEOLOGICAL INTERPRETATIONS**
M. Paparás, M. Hoqui & S. Sicilia
- 17:40 – 18:00 - **LATE PLEISTOCENE GIANT SLOTHS FROM BRAZILIAN INTERTROPICAL REGION: ADAPTATION TO AQUATIC LIFESTYLE?**
M.A.T. Dantas & T. Oliveira

CIGNA Auditorium

SESSION 16: SUBTERRANEAN BIOLOGY

- 08:00 – 08:20 - **THE REPRODUCTION PHENOLOGY OF THE TOMESS SWORD-NOSED BAT *LONCHORHINA AURITA* (CHIROPTERA: PHYLLOSTOMIDAE) IN IRON-ORE CAVES IN THE SERRA DOS CARAJÁS IN EASTERN AMAZONIA**
J.C. Vargas-Mena, P.E.D. Bobrowiec, L.C. Trevelin, T.C.M. Benathar, G. Appel, X. Prous, M.S.R. Pereira & V.C. Tavares
- 08:20 – 08:40 - **MONITORING OF THE *ANOURA GEOFFROYI* (CHIROPTERA: PHYLLOSTOMIDAE) BAT COLONY IN THE TICO-TICO MINE, MINAS GERAIS, BRAZIL**
C.C. Nobre, V.C.A.S. Alves, L.M.S.M. Dornellas, A.S. Auler, P.G. Silva
- 08:40 – 09:00 - **A COMPREHENSIVE GUIDE TO IDENTIFYING CAVE-DWELLING NECTARIVOROUS BATS FROM BRAZIL**
L.M. Moras, B.D. Natividade, G. Appel, L.C. Trevelin, T.C.M. Benathar & V.C. Tavares
- 09:00 – 09:20 - **MARCADOS PELO SINAL: COMO PIT TAGS DESVENDAM A MOVIMENTAÇÃO DE MORCEGOS EM PAISAGENS MINERADAS**
M.P.A. Oliveira, H. Marques, N. Curi, D. Alvarenga, M. Pedroso, T. Pietrobon & A. Barata
- 09:20 – 09:40 - **LANDSCAPE INFLUENCE ON *CAROLLIA PERSPICILLATA* MORPHOLOGICAL TRAITS: FUNCTIONAL ADAPTATIONS TO ANTHROPOGENIC DISTURBANCES**
V.M. Martins, T.G. Pellegrini, M.P.A. Oliveira, B. Goulart, M. Pedroso, D. Alvarenga, M. Silva & A. Barata

TIMETABLE OF ORAL PRESENTATIONS

TUESDAY, JULY 22, 2025

- 09:40 – 10:00 - **DO YOU REALLY KNOW WHAT A BAT/HOT CAVE IS? CONSIDERATIONS ON DEFINITIONS AND PROPOSAL OF GUIDELINES FOR IDENTIFICATION**
D.F. Torres, G.L. Urbieto, M.E. Bichuette & V.C. Tavares
- 10:00 – 10:20 - **MORCEGOS CAVERNÍCOLAS DO OESTE DA BAHIA, NORDESTE DO BRASIL**
G. Vidolin, E. Rossener, M.S. Marrelli, K.M. Mise & G.C. Sessegolo
- 10:20 – 10:40 - **SUBTERRANEAN MENU: DIET OF *BOKERMANNOHYLA MARTINSI* TADPOLES (ANURA: HYLIDAE) WITHIN QUARTZITIC CAVES**
I.M. Martins, M.C.M. Andrade, C.H.R. Vasconcelos, P.C. Eterovick, P.E.C. Peixoto & C.C. Figueiredo
- 14:00 – 14:20 - **ADAPTABILITY AND SUBTERRANEAN PLASTICITY OF *BOKERMANNOHYLA MARTINSI* (ANURA: HYLIDAE)**
M.C.M. Andrade, I.M. Martins, T.C. Silva & P.C. Eterovick
- 14:20 – 14:40 - **PHYLOGEOGRAPHY OF TWO CAVE-DWELLING WHIP SPIDERS OF THE CARAJÁS REGION**
A.F. Nogueira, L.C. Trevelin, X. Prous & S.S. Vasconcelos Júnior
- 14:40 – 15:00 - **CAVE SCORPIONS: BETWEEN ADAPTATION AND THE PERSISTENCE OF CIRCADIAN RHYTHMS**
P.E. Souza & R.L. Ferreira
- 15:00 – 15:20 - **BEHAVIORS IN LIGHT AND DARKNESS: A REVIEW OF AMBLYPYGID BEHAVIOR IN CAVES AND SURFACE HABITATS**
R.P. Brito, P.E. Souza, R.L. Ferreira & M. Souza-Silva
- 15:20 – 15:40 - **PADRÕES ACÚSTICOS SAZONAIS DA GRUTA DO PALMITO (MG) E SEU ENTORNO**
T.C. Silva, M.C.M. Andrade, I.M. Martins & I.B. Campos
- 16:00 – 16:20 - **SPECIES TURNOVER OF BRYOPHYTES DRIVEN BY RARE SPECIES AND GEOMORPHOLOGY IN NEOTROPICAL SILICICLASTIC CAVES**
R.C. Cardoso & R.L. Ferreira
- 16:20 – 16:40 - **A LIGHT IN THE DARK: THE FIRST MITOCHONDRIAL GENOME DESCRIPTION OF *PYREARINUS PUMILUS***
M.O. Lima, M. Molina, R.R.M. Oliveira, B.M. Silva, X. Prous & S. Vasconcelos
- 16:40 – 17:00 - **HIDDEN FROM OUR SIGHT BUT NEEDING PROTECTION: THE CONSERVATION CHALLENGES OF BRAZILIAN OBLIGATE CAVE INVERTEBRATES**
P.C. Reis-Venâncio, R.L. Ferreira, D.M. Bento, M.H. Simões & M. Souza-Silva
- 17:00 – 17:20 - **SYSTEMATIC CONSERVATION PLANNING OF SUBTERRANEAN HABITATS: APPROACHES AND KEY CHALLENGES**
L. Cresí, A. Senese, A. Bellvert, M. Isaia, G. Nicolosi, E. Piano & S. Mammola
- 17:20 – 17:40 - **INTEGRATION AND VISIBILITY OF BIOSPELEOLOGY – CAVELIFE APP AND BIOSPELEOLOGICAL REGISTER**
S. Zaenker, C. Zaenker, B. Vogel, F. Knolle & A. Wolf
- 17:40 – 18:00 - **AVES IN CAVES: A COMPREHENSIVE REVIEW**
D. Kawalkar & S. Manchi
- 18:00 – 18:20 - **HOW MANY FUNGI CAN YOU FIT IN A CAVE? ABUNDANCE AND RICHNESS IN A BRAZILIAN CERRADO CAVE**
P.H.F. Oliveira, T. Carvalho, J. Prazeres, A. Antunes, C. Ferreira, L.S. Miranda, R.S. Momoli & J.D.P. Bezerra

PILÓ Auditorium

SESSION 10: CAVE RESCUE

- 08:00 – 08:20 - **CAVE RESCUERS EDUCATION IN HUNGARY**
G. Hegedűs
- 08:20 – 08:40 - **ANÁLISE DE ACIDENTE POR MATRIZ DE RISCO E NÍVEL DE POTENCIALIDADE PARA ATIVIDADES EM CAVERNA**
M.E.S. Abrantes
- 08:40 – 09:00 - **THE RESULT OF 60 YEARS OF HUNGARIAN CAVE RESCUE**
G. Hegedűs
- 09:00 – 09:20 - **THE ISSUE OF CAVE RESCUE IN THE RUSSIAN FEDERATION**
V. Akimov
- 09:20 – 09:40 - **DEVELOPMENT OF HEAD PROTECTION COMPATIBLE WITH PETZL NEST STRETCHERS**
M. Staut & B. Vidic

TIMETABLE OF ORAL PRESENTATIONS

TUESDAY, JULY 22, 2025

SESSION 08: CAVE AND KARST PROTECTION AND MANAGEMENT Subsession 08.3: Environmental Education

- 14:00 – 14:20 - CAVES IN CONSERVATION UNITS: SURVEYING SITES FOR GEODIVERSITY EDUCATION AND INTERPRETATION**
D.J. Santos, M. Gomes, U.A. Ruchkys & L.E.P. Travassos
- 14:20 – 14:40 - LISTING SOME OUTSTANDING KARSTIC FEATURES OF LEBANON: A MULTI-DISCIPLINARY APPROACH**
F. Nader & J. Tawk
- 14:40 – 15:00 - DEVELOPMENT STRATEGIES FOR STUDY TOURISM IN THE GUANYAN KARST UNDERGROUND RIVER BASIN**
L. Shen, J. Tuo, Z. Jiang & T. Li
- 15:00 – 15:20 - DOCUMENTATION FOR PROTECTION – THE DEEP23 EXAMPLE**
I.B. Jaoude & F. Fayad
- 15:20 – 15:40 - APPLICATION OF THE CGI APPROACH TO ASSESS THE STABILITY OF NATURAL CAVES**
A. Benrabah, L. Jordá-Bordehore, A. Malabeh, I.V. Brandi & M.R. Barbosa
- 16:00 – 16:20 - "FIELD-WORK METHODS IN SPELEOLOGY": AN EDUCATIONAL PROGRAM THROUGH THE EYES OF A PARTICIPANT**
X. Georgopoulou & G. Lazaridis
- 16:20 – 16:40 - THE GLOBAL IMPORTANCE OF CAVES AND KARST: UIS INITIATIVE FOR PROCLAMATION OF INTERNATIONAL DAY**
N.Z. Hajna
- 16:40 – 17:00 - EDUCAÇÃO AMBIENTAL EM CAVERNAS NÃO VISITÁVEIS, ESTUDO DE CASO NA GRUTA DOS ANÕES - SÃO PEDRO (SP)**
B.B. Groppo, P.H.V. Silva, R.C.S. Coelho, R. Dell Antônio & F. Braidó
- 17:00 – 17:20 - CIUDADANOS DEL KARSO: 30 YEARS ADVANCING RESEARCH, EDUCATION, AND CONSERVATION OF THE NATURAL SYSTEMS OF PUERTO RICO**
A.V. Nieves
- 17:20 – 17:40 - THE EXPERIENCE OF THE INTRODUCTION TO SPELEOLOGY CLASS DURING THE PIONEER COURSE OF SPECIALIZATION IN SPELEOLOGICAL HERITAGE IN BRAZIL**
L.A.V. Figueiredo
- 17:40 – 18:00 - GRUPTA-ESPELEOGAME®: UM ROLE PLAYING GAME (RPG) EDUCATIVO E RECREATIVO PARA POPULARIZAÇÃO DA ESPELEOLOGIA**
M.C. Figueiredo, L.A.V. Figueiredo & A.A. Silva-Junior
- 18:00 – 18:20 - AMBIENTE Y ESPELEOLOGÍA EN TIEMPOS DE CRISIS CIVILIZATORIA**
C.E. Gioia

TRIMMEL Auditorium

SESSION 08: CAVE AND KARST PROTECTION AND MANAGEMENT Subsession 08.2: Cave and Karst Tourism

- 08:20 – 08:40 - U.S.A-MEXICO EXCHANGE ON CAVE AND KARST SCIENCE MANAGEMENT**
A.K. Celis, C. Groves, L.A. Bledsoe, P. Kambesis & R. Toomey
- 08:40 – 09:00 - PRELIMINARY GEOMECHANICAL AND STABILITY ASSESSMENT IN IRON SHOW CAVES COMBINING DIFFERENT APPROACHES, CARAJÁS, BRAZIL**
L. Jorda-Bordehore, A. Benrabah, M.R. Barbosa, I.V. Brandi, A. Barata & E. Oliveira
- 09:00 – 09:20 - GROTTA DELLA POESIA KARST SYSTEM**
I.S. Liso, S. Bertelmann, A. Marassich & M. Parise
- 09:20 – 09:40 - GGEO - PETAR CABOCLOS PROJECT**
M.T.D. Parra, C.S. Kinoshita, G.F. Costa, J.V. Silva, L.B.M. Rodrigues, A.A. Gimenes, G.V. Costa & P.H.C. Maniús
- 09:40 – 10:00 - POTENCIAL TURÍSTICO DO PATRIMÔNIO ESPELEOLÓGICO DO PARQUE NACIONAL DAS SEMPRE-VIVAS E DO PARQUE ESTADUAL DA SERRA DO CABRAL**
R.F. Scalco, V.E.S. Melo, H.R. Araújo, S.N. Fonseca & J.J. Alcantara
- 10:00 – 10:20 - ESTRATÉGIAS PARA O TURISMO SUSTENTÁVEL: MAPAS DE ZONEAMENTO ESPELEOLÓGICO EM PAINS, MG**
G.B. Soares, P.L.T. Camargo, M.S. Campello & J.N. Magno

TIMETABLE OF ORAL PRESENTATIONS

TUESDAY, JULY 22, 2025

10:20 – 10:40 - PROPOSAL FOR TOURISM MANAGEMENT BASED ON THE CALCULATION OF CAVE'S SENSITIVITY IN THE ORIENTE ANTIOQUEÑO KARST, COLOMBIA
D. Cruz & N. Uasapud

14:00 – 14:20 - ADJUSTED CAVE CARRYING CAPACITY FOR CAVE MANAGING: AN EXAMPLE FROM COLOMBIA
N. Uasapud, M. Weber & A. Calux

14:20 – 14:40 - ESTUDIOS PARA CONSERVAR EL SISTEMA CAVERNARIO CUCHILLO CURÁ, NEUQUÉN, ARGENTINA
G. Redonte, S.A. Sicilia, M. Paparas, C. Gioia, H.A. Iuri & L. Zungri

SESSION 04: CAVE MINERALOGY AND SEDIMENTS

14:40 – 15:00 - NEW FRONTIERS IN SPELEOTHEMS STUDIES
P. Forti

15:00 – 15:20 - MORE EXOTIC TUFA DEPOSITS ON THE ISLAND OF LISMORE, ARGYLL, SCOTLAND
T. Faulkner

15:20 – 15:40 - PALEOKARST CAVE BRECCIA (ISTRIA, NW CROATIA)
B. Otonicar & A. Košir

16:00 – 16:20 - FIRST INSIGHTS INTO THE GEOMORPHOLOGY, MINERALOGY AND MICROCLIMATE OF CUEVA GRANDE DEL ARCO (CIEZA, REGION OF MURCIA, SE SPAIN)
F. Gázquez, L. Martegani, A. Fernández-Cortés, I. Martín-Lerma, D. Román & J.M. Calaforra

16:20 – 16:40 - THE TARANAKITE – FRANCOANELITE DEHYDRATION REACTION: NEW DATA AND POSSIBLE IMPLICATIONS FOR MINEROGENETIC PROCESSES IN CAVE ENVIRONMENTS
Y. Galliano, C. Carbone, F. Bellatreccia & J. De Waele

16:40 – 17:00 - EXPANDING THE CAVE MINERAL DATABASE: 53 NEW ADDITIONS
B.P. Onac

17:00 – 17:20 - HOLOCENE ENVIRONMENTAL SHIFTS IN EAST-CENTRAL EUROPE: A ROMANIAN CAVE SEDIMENT RECORD
B.P. Onac, A. Feurdean, S. Hutchinson, F. Forray, A. Demjén & I.N. Meleg

17:20 – 17:40 - TEXTURA DOS SOLOS E SEDIMENTOS DAS CAVERNAS DO LEGADO VERDES DO CERRADO, GOIÁS
F.S. Meirelles, E.D. Nunes & R.S. Momoli

17:40 – 18:00 - ANÁLISE DE MATERIAL PARTICULADO E RECUPERAÇÃO DE CAVIDADES NATURAIS: SOLUÇÕES PARA PRESERVAÇÃO DE ECOSISTEMAS SUBTERRÂNEOS
M.V.C. Miranda, D.H. Oliveira, E.N.M. Barbosa, E.J.S. Pereira & E.K.T. Soares

THURSDAY, JULY 24, 2025

ERASO Auditorium

SESSION 07: KARST HYDROGEOLOGY AND SPELEOGENESIS

08:00 - 08:20 - SULPHURIC ACID CAVES OF ALBANIA: STATE OF THE ART
M. Audy, A. Benassi, T. Delic, J. De Waele, J.F. Flot, E. Hamzaraj, A. Marrafa & S.M. Sarbu

08:20 – 08:40 - FROM HYPOGENIC TO BIOGENIC SPELEOGENESIS IN SEMI-ARID CLIMATE: BAT GUANO-DRIVEN CARBONATE WEATHERING AND CAVE MODIFICATION IN CHARITON CAVE, ISRAEL
B. Langford, A. Frumkin & A. Vaks

08:40 – 09:00 - UNDERSTANDING THE SEDIMENTARY DYNAMICS OF ALPINE CAVES: THE EXAMPLE OF THE DÉVOLUY MASSIF (FRANCE)
Nathan Rispal, Philippe Audra, Ludovic Mochain, Marianna Jagercikova, Pierre Henry & François Demory

09:00 – 09:20 - THE CAVE IN THE CAVE – A 700 M LONG TUBE IN CONSOLIDATED CAVE SEDIMENTS (DACHSTEIN, AUSTRIA)
L. Plan, R. Seebacher & V. Koukal

09:20 – 09:40 - GEOLOGICAL AND STRUCTURAL CONFIGURATION OF CHEVE CAVE, OAXACA, MEXICO
R. Hernandez-Vergara, M. Covington & A. Verde

09:40 – 10:00 - CH₄ AS THE CARBON SOURCE OF THE BIOLOGICAL ECOSYSTEM IN THE AYYALON CAVE SYSTEM
S. Cooper-Frumkin, I.J. Reznik & A. Frumkin

10:00 – 10:20 - HOW INDIRECT HYDROGEOLOGICAL METHODS CAN HELP IN THE EVALUATION OF SPELEOLOGICAL POTENTIAL
W.T. Yoshizumi, B.F. Durão, P.H. Assunção, L.P.S. Godinho, T. Marques, P. Galvão, G. Lourenço & R. Paula

TIMETABLE OF ORAL PRESENTATIONS

THURSDAY, JULY 24, 2025

- 10:20 – 10:40 - HYPOGENE KARST IN HYDROTHERMAL TRAVERTINES AND HIGH MOUNTAIN GYPSUM KARST IN THE HUAMBO AREA, CENTRAL ANDES OF PERU**
A. Tyc, K. Gaidzik & M. Benavente
- 14:00 – 14:20 - THE JABAL AL QAMAR KARST, SW DHOFAR, OMAN: CAVE EVOLUTION AND FLASHFLOOD HYDRODYNAMIC**
P. Audra, N. Rispal, D. Fleitmann, F. Swierczynski, H. Cheng, A.H.A. Al Ma'ashani & Dhofar Adventure members
- 14:20 – 14:40 - QUATERNARY DEGLACIAL SPELEOGENESIS ON THE GOWER PENINSULA, SOUTH WALES, UK**
T. Faulkner
- 14:40 – 15:00 - SPELEOGENESIS OF THE CALCAREOUS LITTORAL CAVES ON THE ISLAND OF LISMORE, SCOTLAND**
T. Faulkner
- 15:00 – 15:20 - HYPOGENE MAZE CAVE GENESIS IN IRECÊ BASIN, SÃO FRANCISCO CRATON. IOIÔ CAVE, BAHIA, BRAZIL**
P. Audra, L. Pisani, M. Antonellini, F.H. Bezerra, A.S. Auler, V. La Bruna, G. Bertotti & F. Balsamo
- 15:20 – 15:40 - PIPING E DOLINAS NA GÊNESE DA CAVERNA DO PINHEIRO TORTO, PASSO FUNDO/RS: PROCESSOS GEOMORFOLÓGICOS E IMPLICAÇÕES**
L.P. Fragomeni, V. Perondi, J. Soares, C. Voltolini, I. Voltolini, M.M. Guimarães & M.P.A. Oliveira
- 16:00 – 16:20 - SPELEOGENESIS AND EVOLUTION OF THE VALDEMINO CAVE (BORGIO VEREZZI, LIGURIA, NORTHERN ITALY)**
J. De Waele, C.C. Shen, B. Vigna, A. Fiorucci, P. Marini, C.Y. Huang & H.M. Hu
- 16:20 – 16:40 - ON THE GENESIS OF CAVES IN HARDLY-KARSTIC ROCKS**
A. Bulychov
- 16:40 – 17:00 - THE RELATIVE IMPORTANCE OF CHEMICAL AND MECHANICAL EROSION IN SISTEMA J2, OAXACA, MEXICO**
M. Covington, E. Oleson, M. Cooper, R. Hernandez-Vergara & A. Verde
- 17:00 – 17:20 - SULFUR ON SALITRE FORMATION, BAHIA KARST: ORIGIN, MICROBIOLOGY, SPELEOGENESIS AND MINERAL DEPOSITS**
T.D.M. Morita & I. Karmann
- 17:20 – 17:40 - LONG TERM ALLUVIATION AND ITS CONTRIBUTION TO THE DEVELOPMENT OF DISTRIBUTARY CAVE SYSTEMS**
F.V. Laureano & I. Karmann
- 17:40 – 18:00 - PLIOCENE-HOLOCENE EVOLUTION OF A CRATONIC, SANDSTONE COVERED KARST SYSTEM: NE BRAZIL**
L.P.S. Godinho, I. Karmann, D. Granger, F.V. Laureano, T.D.M. Morita & G. Duarte

CIGNA Auditorium

SESSION 16: SUBTERRANEAN BIOLOGY

- 08:00 – 08:20 - ANALYSIS OF BIOSPELEOLOGICAL METHODS AND STUDIES IN INVENTORIES FOR ENVIRONMENTAL LICENSING IN BRAZIL**
T. Sato, P. Grandsire, B. Kraemer, B. Lima, M. Almeida, L. Barbosa, M. Xavier & E. Gottschalk
- 08:20 – 08:40 - ARTHROPODS DIVERSITY FROM MEXICAN GUERRERO STATE CAVES**
M.S.M. Cruz, M.O. Carrasco, A.A. Galván, B.E.M. Recamier, J.G. Palacios Vargas
- 08:40 – 09:00 - GLOBAL EVOLUTION OF CAVE ANIMAL OF THE YEAR CAMPAIGNS**
F. Didonna, B. Vogel, F. Knolle & S. Zaenker

PILÓ Auditorium

SESSION 09: EXPLORATION, SPELEOLOGICAL TECHNIQUES, AND MATERIALS

Subsession 09.2: Exploration

- 08:00 – 08:20 - EXPEDITION TO NEW HYPOGENIC CAVES IN NORTHERN NAMIBIA**
P. Jeutter & T. Racine
- 08:20 – 08:40 - ULTIMA PATAGONIA 2023, AN OUTSIZED EXPEDITION**
C. Honiat, T. Racine, R. Maire, N. Morata-Calvo, A. Honiat, B. Tourte & Centre Terre
- 08:40 – 09:00 - EXPLORING THE VANOISE KARST: MARBLE CAVES BENEATH ACTIVE GLACIERS**
A. Honiat, C. Théophile, C. Honiat, K. Martin, M. Florent, U. Benoît & M. Arnould
- 09:00 – 09:20 - TYPICAL OF CARBONATE ISLAND CAVE IN STRIKE-SLIP FAULT SETTING: EXPLORED FROM MARATUA ISLAND, INDONESIA**
E. Haryono
- 09:20 – 09:40 - UNDERWATER EXPLORATIONS ON ALMONDA CAVE, PORTUGAL – NEW ACHIEVEMENTS**
R. Luís, P. Arriegas, P. Rodrigues, A. Ribeiro, T. Grosso & N. Sousa
- 09:40 – 10:00 - RECENT SPELEOLOGICAL EXPLORATION IN XIAONANHAI KARST AREA, SHAANXI PROVINCE, CHINA**
Z. Motycka, M. Filippi & Z.Y. Hai

TIMETABLE OF ORAL PRESENTATIONS

THURSDAY, JULY 24, 2025

TRIMMEL Auditorium

SESSION 06: KARST GEOMORPHOLOGY

- 08:00 – 08:20 - **DIGITAL MODELS OF CAVES FOR EXPLORATION IN VIRTUAL REALITY**
R.P. Maia, C.C.S. Mota, P.E.F. Moura, A.S.V. Souza, D.M. Bento & J.B. Cruz
- 08:20 – 08:40 - **CUPOLAS ASSOCIATED WITH COLUMNAR STROMATOLITES IN THE VAZANTE GROUP, MG - BRAZIL: CHARACTERIZATION FROM 3D HIGH-RESOLUTION MODELS**
A.S.V. Souza, R.P. Maia, A. Marco, J. De Waele, P.E.F. Moura, L.B. Vincenzo, A.S. Auler & R.V. Santos
- 08:40 – 09:00 - **GEOLOGY, GEOMORPHOLOGY AND HYDROGEOLOGY OF THE “DAVORJEVO BREZNO” CAVE, CLASSICAL KARST**
R. Semeraro, R. Corazzi & L. Torelli
- 09:00 – 09:20 - **RECHARGE LANDFORMS IN A SUBJACENT KARST AQUIFER IN SETE LAGOAS, MINAS GERAIS, BRAZIL**
P. Assunção, R. Magno, C. Schuch, L.P.S. Godinho, G. Ribas, B. Aguiar, R. Paula & P. Galvão
- 09:20 – 09:40 - **MORPHOSTRUCTURAL CHARACTERISTICS OF THE PREALPINE (ISOLATED) KARST: EVIDENCE FROM THE ROVTE REGION, CENTRAL SLOVENIA**
A. Tyc, K. Gaidzik, F. Šarc, D. Bania, K. Rzadkowski & B. Otonicar
- 09:40 – 10:00 - **PREDISPOSING FACTORS AND EVOLUTION STAGES OF SINKHOLES IN COASTAL AREAS**
I.S. Liso & M. Parise
- 10:00 – 10:20 - **UNROOFED CAVES IN THE VENA DEL GESSO ROMAGNOLA AREA (N-ITALY): DISTRIBUTION AND AGE**
V. Chiarini, F. Guerra, G. Sangiorgi, L. Pisani & J. De Waele
- 14:00 – 14:20 - **CAVE SEDIMENTOLOGY: HISTORY AND RECENT ADVANCES**
R. Bosch & D. Ward
- 14:20 – 14:40 - **INSIGHTS FROM CAVE SEDIMENTS INTO KARST EVOLUTION, TECTONICS, AND CLIMATE CHANGE**
N.Z. Hajna, P. Bosák & P. Pruner
- 14:40 – 15:00 - **GENESIS AND CHRONOLOGY OF THE SPELEOTHEMS IN LA ROVELLONERA HALL (AVENC DE SABARÍN CAVE, TARRAGONA, NE SPAIN)**
F. Gázquez, C. Cantero, L. Almela, J. Almela, E. Eriarte, H-M. Hu, C-C. Shen & J.M. Calaforra
- 15:00 – 15:20 - **FIRST EVIDENCE OF GHOST-ROCK IN BOTSWANA: THEIR POTENTIAL FOR ANCIENT HOMININS RESEARCH**
L. Bruxelles, O. Ledimo, G. Dandurand & B. Chadelle
- 16:00 – 16:20 - **SPELEOGENESIS AND CAVE GEOMORPHOLOGY IN THE KLAMATH MOUNTAINS, CALIFORNIA AND OREGON, USA**
J. Despain & N. Lathrop
- 16:20 – 16:40 - **THE INFLUENCE OF MICROBIAL NITROGEN CYCLING AND SUBAERIAL DISSOLUTION ON SECONDARY SPELEOGENESIS IN THE CAVES OF GUNUNG MULU NATIONAL PARK, MALAYSIA**
J.M. Koether, A.R. Farrant & H. Barton
- 16:40 – 17:00 - **CLASSIFICATION AND CHARACTERISTICS OF GLACIOVOLCANIC CAVES**
C. Stenner, L.J. Florea, L. Sobolewski & A. Pflitsch

FRIDAY, JULY 25, 2025

LE BRET Auditorium

SESSION 14: CLIMATOLOGY AND MONITORING

- 14:00 – 14:20 - **MICROCLIMATIC DYNAMICS AND CONSERVATION OF FURNA FEIA CAVE: CHALLENGES FOR SUSTAINABLE PUBLIC USE**
M. Gomes, D.J. Santos & L.E.P. Travassos
- 14:20 – 14:40 - **CLIMATE CHANGE FOOTPRINT IN MODRIC CAVE (CROATIA) DATA SET**
M. Suric & R. Loncaric
- 14:40 – 15:00 - **SPELEOCLIMATE AND CONSERVATION: AN APPROACH TO MONITORING TOURIST CAVES IN THE CAVERNAS DO PERUAÇU NATIONAL PARK**
M. Gomes, D.J. Santos, L.E.P. Travassos & U.A. Ruchkys
- 15:00 – 15:20 - **THE CAVE VOICE: ACOUSTIC MONITORING OF FLOODS IN SPURGA DELLE CADENE (ITALY)**
A. Mastella, J. De Waele, M. Filippini, E. Nicolini, G. Rossi, G. Gonzato, M. André, M.V.D. Shaar & F. Sauro
- 15:20 – 15:40 - **RESPONSE OF THE CAVE AIR CO₂ CONCENTRATION IN MODRIC CAVE (CROATIA) TO METEOROLOGICAL EVENTS**
R. Loncaric & M. Suric
- 16:00 – 16:20 - **RELAÇÃO ENTRE CHUVA E TEMPERATURA NA CAVIDADE N3**
G.M. Dutra, L.F.F. Lopez, B. Scherer, A. Souza, I.L. Barrosa, J. Timo, M.B. Timo & R. Araújo
- 16:20 – 16:40 - **PROYECTO "PERLAS DE CAVERNA EN EL AVENC MONTSERRAT UBACH" (PIRINEOS CATALANES): MONITORIZACIÓN DE LA FORMACIÓN DE PISÓLITOS Y DE LAS CONDICIONES HIDROCLIMÁTICAS**
M. Cisneros, R. Daza, M. Ubach, A. Entrena, L. Auroux & Equipo de espeleología del proyecto Perlas de caverna
- 16:40 – 17:00 - **UNDERGROUND MONITORING AND MAPPING IN CONGLOMERATE KARST, A CASE STUDY FROM “CASTEL SOTTERRA” CAVE (VENETO, ITALY)**
M. Fioraso, F. Narduzzi, M. Cabral, A. Pereswiet-Soltan, A.M.D. Valle, P. Corsini & A. Riva

TIMETABLE OF ORAL PRESENTATIONS

FRIDAY, JULY 25, 2025

- 17:00 – 17:20 - KARST MONITORING IN MADRE DE DIOS FOR UNDERSTANDING PATAGONIAS PAST REGIONAL CLIMATE**
C. Honiat, F. Francisco, R. Maire, A. Honiat, S. Christoph, E. Lawrence, N. Morata-Calvo & B. Tourte
- 17:20 – 17:40 - UNDERSTANDING THE VARIABILITY IN GAS CONCENTRATIONS OF CARLSBAD CAVERN**
R. Colton & M. Covington
- 17:40 – 18:00 - PARTICULATE MATTER MONITORING: METHODOLOGICAL GUIDELINES BASED ON THE RESULTS OF EXPERIMENTS IN IRON CAVES**
P. Marques, D. Pujoni, P.G. Silva, A. Souza, M.R. Machado, T. Sousza & A.S. Auler

ERASO Auditorium

SESSION 09: EXPLORATION, SPELEOLOGICAL TECHNIQUES, AND MATERIALS Subsession 09.3: Topography, Mapping, 3D Scanning, and Documentation

- 08:20 – 08:40 - MAPEAMENTO DE CAVIDADES HOSPEDADAS POR ROCHAS FERRÍFERAS E/OU FERRUGINOSAS COM USO DE SENSOR LIDAR: O CASO DA CAVIDADE DO MANSO**
T.F. Lima
- 08:40 – 09:00 - UNITY IS STRENGTH. "SPELEOTECA": THE SHARED CATALOGUE OF ITALIAN SPELEOLOGICAL LIBRARIES**
L. Pisani, M. Sivelli & P. Forti
- 09:00 – 09:20 - SPELEOLOGICAL REGIONALIZATION OF SLOVENIA: METHODOLOGY AND APPLICATION**
M. Cekada, P. Gostinčar, J. Tigar, T. Mazej, M. Eerker & A. Svara
- 09:20 – 09:40 - TESTE METODOLÓGICO COM DADOS 3D LIDAR, PARA ANÁLISE MORFOLÓGICA E MONITORAMENTO DA CAVERNA BURACO DO INFERNO, RESENDE COSTA-MG**
P.G.G. Rossi, L.C. Rocha, L.H.S. Vital & B.M. Corbani
- 09:40 – 10:00 - O CADASTRO NACIONAL DE INFORMAÇÕES ESPELEOLÓGICAS: UM INSTRUMENTO PARA GESTÃO E CONSERVAÇÃO DO PATRIMÔNIO ESPELEOLÓGICO BRASILEIRO**
J.B. Cruz & J.F. Costa Neto
- 10:00 – 10:20 - DOCUMENTING CAVES OF KÖYTENDAG (TURKMENISTAN)**
P. Crochet & A. Guiraud
- 10:20 – 10:40 - THE CAVES OF THE AMAZON**
L.A. Zogbi & F.C.R. Motta
- 14:00 – 14:20 - HUMPLEU CAVE, ROMANIA: 23 YEARS OF (WAITING FOR) REMAPPING: DONE!**
P. Häuselmann
- 14:20 – 14:40 - A PHOTOGRAPHIC APPROACH OF GLOWWORMS IN NEW ZEALAND**
P. Crochet & A. Guiraud
- 14:40 – 15:00 - THAM LÔ, KHAMMOUANE, LAOS, EXPLORATION AND CHARACTERISTICS**
C. Mouret
- 15:00 – 15:20 - DEVIL'S CAVE: BEAUTIES AND SECRETS OF SÃO PAULO'S MOST FAMOUS CAVE**
R.S. Martinelli, M. Zackiewicz & M. Gonçalves
- 15:20 – 15:40 - THE TAMBORIL CAVE: A HERITAGE TO BE PRESERVED**
L.A. Zogbi, R. Cassimiro, O. Prado & K. Downey
- 16:00 – 16:20 - CAVES AND KARST DATABASES AT THE FRENCH CAVING FEDERATION (FFS)**
E. Madelaine & J. Roy
- 16:20 – 16:40 - IMAGE ANALYSIS AND CHANGE DETECTION FROM LASER SCANS TO CHARACTERISE MOBILE SEDIMENTS IN CAVES**
T. Racine, P. Renard, J. Arnauld & S. Jaillet
- 16:40 – 17:00 - SPELEOGENETIC INSIGHTS FROM LA JOYA CAVE: A TOPOGRAPHIC COMPARISON USING DISTO-X AND 3D LIDAR SLAM**
R. Hernandez-Vergara, M.A. Boneta-Rodríguez & M.A. Monrroy-Osorio
- 17:00 – 17:20 - NOVAS EXPLORAÇÕES ESPELEOLÓGICAS NA GRUTA DO ALGAR DA ARROTEIA (MACIÇO CALCÁRIO ESTREMENHO, PORTUGAL)**
M. Dias, J. Ferreira, F. Lucas, H.M. Costa, A. Fael, A.P. Galvão, D.M.V.B. Amaral & L.A. Dimuccio
- 17:20 – 17:40 - PLANIMETRIC TRILATERATION CAVE TOPOGRAPHY**
M.T. Lima, A.F.C.C. Oliveira, L.P.N. Selos, B.P. Mendes, A.F.P. Silva, J.V.S. Dias, L.M.R. Oliveira & M.M. Ferreira

TIMETABLE OF ORAL PRESENTATIONS

FRIDAY, JULY 25, 2025

17:40 – 18:00 - **DISEÑO DE UNA APLICACIÓN WEBGIS PARA EL TRABAJO ESPELEOLÓGICO**

H.B. Gurlekián & L.G. Zungri

18:00 – 18:20 - **METHODOLOGIES FOR HAND-SKETCHED SPELEOLOGICAL TOPOGRAPHY: INTEGRATING POST-PROCESSED BRIC5 DATA WITH TOPGRU**

M.T. Lima, L.P.N. Selos, A.F.C.C. Oliveira, G.P.F. Belga, B.P. Mendes, L.S.B. Neto, J.V.S. Dias & M.M. Ferreira

CIGNA Auditorium

SESSION 16: SUBTERRANEAN BIOLOGY

14:00 – 14:20 - **POLUIÇÃO LUMINOSA E RUÍDO ANTRÓPICO: POSSÍVEIS AMEAÇAS NEGLIGENCIADAS À QUIRÓPTEROFAUNA EM CAVIDADES SUBTERRÂNEAS DE MINAS GERAIS**

J.N. Magno, C.P. Teixeira, M.T.M. Souza, I.L. Barroso & G.B. Oliveira

14:20 – 14:40 - **TWO NEW TROGLOBITIC SPECIES OF THE GENUS SPELAEOGAMMARUS DA SILVA BRUM, 1975 (AMPHIPODA, ARTESIIDAE) FROM BRAZIL**

J.B. Galo, G.M. Cardoso & R.L. Ferreira

14:40 – 15:00 - **ENDEMIC AND RARE – THE FIRST CAVE-DWELLING DELPHACIDAE OF THE NEOTROPICS IS FOUND ON BRAZIL (HEMIPTERA FULGOROMORPHA DELPHACIDAE)**

J.C.C.V. Santos, M. Asche, H. Hoch & R.L. Ferreira

15:00 – 15:20 - **FIRST RECORDS OF ARACAMBAIE CRICKETS (ORTHOPTERA: PHALANGOPSIDAE) IN CAVES, WITH DESCRIPTION OF SEVEN NEW SPECIES**

P.H.M. Carvalho & R.L. Ferreira

15:20 – 15:40 - **UNVEILING A NEW GENUS OF CAVE-DWELLING PSEUDOSCORPION FROM BRAZIL: TAXONOMY AND SYSTEMATIC RELEVANCE**

G.C. Prado & R.L. Ferreira

16:00 – 16:20 - **INVENTORY AND DISTRIBUTION OF FISH FAUNA IN GRUTA MORENA, SÃO FRANCISCO BASIN, BRAZIL**

P.S. Pompeu, T.G. Pellegrini & R.L. Ferreira

16:20 – 16:40 - **DIVERSITY OF SUBTERRANEAN AEGLA (CRUSTACEA: DECAPODA: ANOMURA) IN THE ALTO RIBEIRA KARST AREA, SOUTHEASTERN BRAZIL**

A.L. Camargo, S.L.S. Bueno & E. Trajano

16:40 – 17:00 - **DESCRIPTION OF A NEW TROGLOBITIC SPECIES OF LITOBLATTA HEBARD, 1921 (BLATTODEA: BLATTELLIDAE) FROM SOUTHEASTERN BRAZIL**

J.R. Maia, P.H.M. Carvalho, R. Pellens & R.L. Ferreira

17:00 – 17:20 - **DESCRIPTION OF A NEW SPECIES OF EIDMANACRIS CHOPARD, 1956 (ORTHOPTERA: PHALANGOPSIDAE) FROM A CAVE IN NORTHEASTERN BRAZIL**

F.C. Caldeira, P.H.M. Carvalho & R.L. Ferreira

17:20 – 17:40 - **NEW SPECIES OF CAVE-RESTRICTED HYALELLA (CRUSTACEA: AMPHIPODA) FOR BRAZIL, WITH THE FIRST RECORDS FROM THE AMAZON**

G.M. Cardoso, M.P.A. Oliveira & R.L. Ferreira

17:40 – 18:00 - **TAXONOMY, PHYLOGENY AND EVOLUTIONARY HISTORY OF NIPHARGID AMPHIPODS (CRUSTACEA, AMPHIPODA) IN ALPINE GROUNDWATERS**

A. Salussolia, F. Stoch & J.F. Flot

18:00 : 18:20 - **DIPLURA, AMONG THE FIRST HEXAPODS TO COLONIZE LAND CAVES**

A. Sendra, R. Lopes, J. Selfa, A. Sánchez-García, X. Delclòs & A. Jiménez-Valverde

PILÓ Auditorium

SESSION 13: VOLCANIC CAVES

08:00 – 08:20 - **GEOHERITAGE VALUES AND CONSERVATION OF THE BILLEMOT CAVE IN JEJU ISLAND, SOUTH KOREA**

L. Kim, J. Lee & K.S. Woo

08:20 – 08:40 - **THE HRAUNRÁSIR PROJECT: EXPLORING THE MINERALOGY, MICROBIOLOGY AND EVOLUTION OF NEWLY FORMED LAVA TUBES IN ICELAND**

F. Sauro, T. Santagata, M. Cappeletti, E. Lopo, A.Z. Miller, M. Vattano, B.P. Onac & A. Matteo

08:40 – 09:00 - **MORPHOLOGY AND MICROCLIMATE OF A NOTABLE GLACIOVOLCANIC CAVE, MOUNT MEAGER, CANADA**

C. Stenner, K. Graham, M. Paton, J. Nash, M.L. Cable & G. Williams-Jones

09:00 – 09:20 - **MORPHOMETRIC ANALYSIS OF LAVA TUBES**

A. Marraffa, M. Massironi, R. Pozzobon & F. Sauro

TIMETABLE OF ORAL PRESENTATIONS

FRIDAY, JULY 25, 2025

TRIMMEL Auditorium

SESSION 07: KARST HYDROGEOLOGY AND SPELEOGENESIS

- 08:00 – 08:20 - **SPELEOGENESIS OF GAP-GOTAN (CUPP-COUTUNN) CAVE SYSTEM, KÖYTENDAG MASSIF, TURKMENISTAN**
P. Audra, G. Cazes, X. Robert, L. Barriquand, Y. Dublyansky, G. Koltai, M. Temovski, V. Polyak, C. Carbone, V. Heresanu, J.P. Gruat, J. De Waele
- 08:20 – 08:40 - **POLYGENETIC KARSTIFICATION IN THE MAMMOTH CAVE REGION**
M. Carden & P. Kambesis
- 08:40 – 09:00 - **POLYGENETIC SPELEOGENESIS AND KARST AQUIFER EVOLUTION IN THE SOUTHWESTERN**
P. Kambesis & M. Carden
- 09:00 – 09:20 - **QUATERNARY DEGLACIAL SPELEOGENESIS ON THE GOWER PENINSULA, SOUTH WALES, UK**
F. Trevor
- 09:20 – 09:40 - **THE MONTE KRONIO HYDROTHERMAL CAVE SYSTEM, SICILY, ITALY**
P. Audra, M. Vattano, G. Madonia, D. Cailhol, M. Cappelletti, A. Columbu, G. Koltai, M. Temovski, A.F. Cortés, F. Gázquez-Sánchez, C. Spötl, J.C. Nobécourt, E. Galli, J. De Waele & F. Sauro
- 09:40 – 10:00 - **SPELEOGENESIS IN QUARTZITES IN THE SOUTHWESTERN IBITIPOCA STATE PARK**
T.V. Bastos, P.E.S. Lima, G.L.C. Oliveira, I.D. Rudnitki, P.H.A. Silva & R.O. Silva
- 10:00 – 10:20 - **A MULTIDISCIPLINARY STUDY TO UNDERSTAND THE SPELEOGENESIS AND EVOLUTION OF SAN GIOVANNI CAVE (DOMUSNOVAS, SW-SARDINIA)**
A. Naseddu, F. Casti, M.R. Cadoni, P. Luca, A. Zarantonello, T. Santagata, C.C. Shen & J. De Waele

SATURDAY, JULY 26, 2025

LE BRET Auditorium

SESSION 09: EXPLORATION, SPELEOLOGICAL TECHNIQUES, AND MATERIALS

Subsession 09.3: Topography, Mapping, 3D Scanning, and Documentation

- 09:00 – 09:20 - **3-D LIDAR MAPPING AND VISUALIZATION OF LAS CABACHUELAS CAVE SYSTEMS IN MOROVIS, PUERTO RICO**
A.A. Acosta-Colon
- 09:20 – 09:40 - **ASSESSMENT OF A LOW-COST SOLUTION FOR CAVE MAPPING: A COMPARATIVE ANALYSIS**
D. Dora, G. Lazaridis, P. Tokmakidis, G. Veni, K. Tokmakidis & K. Vouvalidis
- 09:40 – 10:00 - **VALE DO RIO GAMELEIRA – REDESCOBERTAS ESPELEOLÓGICAS NO P.A. GAMELEIRA E ENTORNO**
P.H.R. Arenas & R.K.M. Silva
- 10:00 – 10:20 - **RELEVAMIENTO TOPOGRÁFICO, GEOSPELEOLOGÍA Y ARQUEOLOGÍA DE LA CUEVA DE LA LIEBRE, RODEO, SAN JUAN, ARGENTINA**
H.L. Rocha, D.F. Moss, D. Mendy, M. Faraone & B. Gentile
- 10:20 – 10:40 - **USE OF A CELL-PHONE BASED 3D SCANNING APP AND 3D PRINTING AS RESOURCES FOR SPELEOLOGY IN BAHIA, BRAZIL**
L. Morato, A.C.R.S. Silva & L.A. Medeiros

SESSION 09: EXPLORATION, SPELEOLOGICAL TECHNIQUES AND MANAGEMENT

Subsession 09.1: Cave Diving

- 14:00 – 14:20 - **EXPLORATIONS OF PHREATIC CAVES IN NOBRES, BRAZIL, AND THE FIRST INSIGHTS ABOUT THE KARST AQUIFER**
S.R. Schirato, J.A. Ferrari & F.W. Cruz
- 14:20 – 14:40 - **REMOTE DIVES IN THE WEST OF HIRLATZHÖHLE, UPPER AUSTRIA**
B. Wielander, S. Gaar & R. Wagner

CIGNA Auditorium

SESSION 16: SUBTERRANEAN BIOLOGY

- 08:00 – 08:20 - **PHOSPHATE-SOLUBILIZING FUNGI FROM CAVES IN THE SERRA DO ESPINHAÇO MERIDIONAL, MINAS GERAIS, BRAZIL**
J.A. Oliveira, J.P.S. Goulart, A.F. Leão, T.O. Condé, F.A. Custódio, D.O. Ramos & O.L. Pereira

TIMETABLE OF ORAL PRESENTATIONS

SATURDAY, JULY 26, 2025

- 08:20 – 08:40 - **IN-FIELD MICROBIOLOGICAL ANALYSES IN AN ANCIENT AND REMOTE ORTHOQUARTZITE CAVE OF AUYÁN-TEPUI (VENEZUELA)**
M. Cappelletti, A. Firrincieli, G. Broglia, D. Ghezzi, E. Lopo, F. Pisani, F. Vergara & F. Sauro
- 08:40 – 09:00 - **ANALYSES OF THE PECULIAR BIOFILM PATTERNS PRESENT IN THE HYDROTHERMAL CAVE SYSTEM OF MONTE KRONIO (SICILY)**
E. Lopo, A. Firrincieli, G. Madonia, M. Vattano, A.G. Rombolà, N. Greggio, F. Sauro & M. Cappelletti
- 09:00 – 09:20 - **FIRST MICROBIOLOGICAL ANALYSES OF GYPSUM CAVES IN EMILIA-ROMAGNA (ITALY)**
E. Lopo, A. Turatto, P. Lucci, J. De Waele & M. Cappelletti
- 09:20 – 09:40 - **CONTRIBUIÇÃO DO BANCO DE OVOS PARA A DIVERSIDADE DE ZOOPLÂNCTON EM AMBIENTES AQUÁTICOS SUBTERRÂNEOS**
J.D. Dias, D.M. Bento, A.K.S. Silva & C.T. Puppim-Gonçalves
- 09:40 – 10:00 - **DIVERSIDADE BETA DE ZOOPLÂNCTON NA CAATINGA: SINGULARIDADE AMBIENTAL E BIOLÓGICA EM ECOSISTEMAS SUBTERRÂNEOS**
C.T. Puppim-Gonçalves, A.K.S. Silva, D.K. Petsch, D.M. Bento & J.D. Dias
- 10:00 – 10:20 - **BEYOND GEOGRAPHIC BOUNDARIES: THIOTHRIX-CRUSTACEAN SYMBIOSES ACROSS SULFIDIC ECOSYSTEMS**
C.C. Audrey, S. Sarbu & J.F. Flot
- 10:20 – 10:40 - **HUMAN-ASSOCIATED BACTERIAL PHYLA AND MICROPLASTIC FIBERS ARE ENRICHED IN SEDIMENTS OF A SOUTHERN APPALACHIAN SHOW CAVE**
S. Carmichael, B. Norvell, A.M. Riley, L. Scoggins, M. Smith, H. Neufeld & S. Brauer
- 14:00 – 14:20 - **A NEW SPECIES OF CERIOCHERNES BEIER, 1937 (PSEUDOSCORPIONES, CHERNETIDAE) FROM NORTHEASTERN BRAZIL**
L. Guimarães, G.C. Prado & R.L. Ferreira
- 14:20 – 14:40 - **HABITANDO FOLHAS E CAVERNAS: TROGLOMORFISMOS CLÁSSICOS SÃO APLICÁVEIS AOS ESTAFILINÍDEOS AMAZÔNICOS?**
J.P. Alves, M.P.A. Oliveira, D. Alvarenga, G. Argolo, T.G. Pellegrini, A.F.A. Flores, M.C.V. Lima & T. Pietrobon
- 14:40 – 15:00 - **HOST DISCOVERY AND NEW LOCALITY RECORDS OF CAVE-DWELLING MITE CHIASMANYSSUS CAVERNICOLA GOMES-ALMEIDA & PEPATO, 2021 (ACARI: MACRONYSSIDAE) FROM BRAZIL**
B.K.G. Almeida, L.L. Oliveira, D. Batista-Ribeiro, L.F.O. Bernardi & A.R. Pepato
- 15:00 – 15:20 - **A NEW SPECIES OF ATTALEACHERNES BEIER, 1937 (PSEUDOSCORPIONES, CHERNETIDAE) FROM NORTHEASTERN BRAZIL**
L.L.S. Silva, G.C. Prado & R.L. Ferreira

TRIMMEL Auditorium

SESSION 08: CAVE AND KARST PROTECTION AND MANAGEMENT

Subsession 08.3: Environmental Education

- 08:00 – 08:20 - **SPELEO DENTRO PROJECT, SOCIOLOGICAL AND PEDAGOGICAL ANALYSIS OF EDUCATIONAL RESULTS**
C. Tossi, A. Mainardi, V. De Giorgio, S. Marrone, E. Viroli, F. Ornaghi, T. Colnaghi, L. Migliorina & G. Priolo
- 08:20 – 08:40 - **CARTILHAS DIDÁTICAS: FERRAMENTAS ESSENCIAIS PARA DIVULGAÇÃO ESPELEOLÓGICA**
B.O. Meyer, M.B. Timo, L.A.V. Figueiredo, C.R. Donato & I. Assis
- 08:40 – 09:00 - **FROM THE CAVE TO THE CLASSROOM: A PLACE-BASED INTERDISCIPLINARY EDUCATIONAL PROPOSAL**
D.S. Menin & D.C. Bacci
- 09:00 – 09:20 - **PEDAGOGICAL MAPPING OF CAVES IN SÃO DESIDÉRIO (BA, BRAZIL) AS LEARNING SPACES FOR HIGH SCHOOL STUDENTS**
A.C.R.S. Silva, L. Morato & T.M. Silveira
- 09:20 – 09:40 - **PEDAGOGICAL WORKSHOP FOR THE DISSEMINATION OF SPELEOLOGY AT A SCHOOL IN BARREIRAS (BA, BRAZIL)**
A.C.R.S. Silva, L. Morato & T.M. Silveira
- 09:40 – 10:00 - **THE CAVEMAB NETWORK: WORKING TO UNDERSTAND AND PROTECT CAVES AND KARST RESOURCES WITHIN THE UNESCO WORLD NETWORK OF BIOSPHERE RESERVES**
L.A. Bledsoe, C.F. Lino & D. Kranjc
- 10:00 – 10:20 - **RELATO DE EXPERIÊNCIA: EDUCAÇÃO AMBIENTAL ESPELEOLÓGICA E CONSERVAÇÃO DE AMBIENTES CAVERNÍCOLAS**
D.H. Oliveira & M.O.S. Gomes
- 10:20 – 10:40 - **CURSOS DE INTRODUÇÃO A ESPELEOLOGIA DO GUANO SPELEO E A DIFUSÃO DO CONHECIMENTO SOBRE O PATRIMÔNIO ESPELEOLÓGICO**
P.F.C. Sousa, M.N.M. Silva, C.C.A. Pereira & L.V. Silva
- 14:00 – 14:20 - **EFICÁCIA PEDAGÓGICA DO LIVRO "QUE PINTURA! VAI FICAR PRÁ-HISTÓRIA! A INIGUALÁVEL AVENTURA NA GRUTA SUINDARA" PARA O ENSINO E SENSIBILIZAÇÃO AMBIENTAL EM ESPELEOLOGIA E CARSTOLOGIA NA EDUCAÇÃO BÁSICA DE SETE LAGOAS (MG)**
E.G.T. Neves, G.T.C.P. Coelho & M.B. Timo

LIST OF POSTERS

Presentation will be on Tuesday, July 22, 2025, and Thursday, July 24, 2025 - 13:00 to 14:00 at the Posters Gallery

PRESENTATION ON TUESDAY, JULY 22, 2025 - 13:00-14:00

SESSION 01: HISTORY OF SPELEOLOGY, ARTS AND LETTERS

CARLOS GOICOECHEA CARRANZA: A VISIONARY LEGACY IN SPELEOLOGY, COSTA RICAN CAVES, AND KARST CONSERVATION

F. Didonna & G. Quesada

DEMONSTRAÇÕES DE FÉ NA CASA DE PEDRA SÃO GERALDO DO ARAGUAIA – PA

M. N. M. e Silva & L. M. Fernandino

AN INTRODUCTION TO CECÍLIA DE CASTRO TORRES' SPELEOLOGICAL JOURNEY

R. R. Oliveira, M. H. Alvim & M. M. O. Sombrio

THE ITALIAN SPELEOLOGICAL DOCUMENTATION CENTRE “FRANCO ANELLI” FIFTY YEARS AFTER ITS CREATION

S. Orsini, L. Pisani, M. Sivelli & P. Forti

SESSION 02: CAVE ARCHAEOLOGY

IDENTIFICAÇÃO DOS RESTOS FAUNÍSTICOS NA GRUTA DOS FÓSSEIS, COCALINHO/MT E SUA CONTRIBUIÇÃO PARA A ZOOARQUEOLOGIA

N. Bergqvist, R. A. Y. Marques, R. S. S. Murrieta, A. Strauss, F. W. Cruz, S. R. Schirato & R. E. Oliveira

ROCK ART RECORDS IN CAETANOS, BAHIA, BRAZIL

A. P. M. Brito, N. S. Santos, J. P. Costa, A. V. Araújo & M. A. T. Dantas

THE MONOXYLE COFFIN CAVES OF NAGALAND (INDIA) AND SOUTH EAST ASIA

R. Hapka

AÇÕES DE EDUCAÇÃO PATRIMONIAL EM PROL DA CONSERVAÇÃO DE SÍTIOS ARQUEOLÓGICOS COM PINTURAS RUPESTRES NA ESCARPA DEVONIANA (PR)

L. L. Massuqueto, H. S. Pontes, J. C. Moreira, A. G. C. Silva, R. Burns & A. E. Rocha

SEDIMENTATION IN CAVES AND ARCHAEOLOGIC LITHIC RAW MATERIALS FROM THE PERUAÇU RIVER BASIN AND ADJACENCIES / BRAZIL

U. C. Penha & A. Prous

NOVAS DESCOBERTAS ARQUEOLÓGICAS NA REGIÃO DOS CAMPOS GERAIS DO PARANÁ (SUL DO BRASIL)

H. S. Pontes & L. L. Massuqueto

THE ANCIENT STATUES OF LAOS CAVES

L. Valenas

PEINTURES PARIÉTALES EN NORD-EST DE LA THAÏLANDE

L. Valenas, M. Valenas & M. Ellis

SESSION 04: CAVE MINERALOGY AND SEDIMENTS

Speleothems of Puerto Vallemí, Eastern Paraguay: Preliminary Results

C. F. Colman, M. F. Soria, N. Cubas, Y. S. Jacks, G. Martínez, D. Block, A. Matos & J. M. Núñez

GEOCHEMICAL AND MINERALOGICAL ANALYSIS OF SPELEOTHEMS IN IRON FORMATIONS OF SOUTHERN ESPINHAÇO RANGE, BRAZIL

M. Leão, P. Marques, T. Souza, L. M. Dornellas, P. G. Silva & A. S. Auler

SPELEOLOGICAL RESCUE: MINERALOGY OF SPELEOTHEMS IN IRON CAVES, SOUTHEASTERN BRAZIL

M. R. Machado, A. Souza, P. Marques, D. Pujoni, T. Souza, P. G. Silva & A. Auler

Multidisciplinary study to unravel the genesis of the peculiar vermiculations in Puntali cave (Sicily, Italy)

G. Scopelliti, L. Spera, M. Vattano, M. Cappelletti, E. Lopo & G. Madonia

THE FIRST OCCURRENCE OF THE BIOTIC MINERAL GUANINE IN BRAZIL, A NITROGEN-BEARING MOLECULE FOUND IN A CAVERNICOLOUS ENVIRONMENT

G. Silva, F. Peres, D. Barbosa, I. S. Santos, J. Tagliatel, D. Atencio, A. Vasconcelos & D. Galante

HEAVY METALS IN KARST SOILS IN THE BOHEMIAN MASSIF (CZECH REPUBLIC)

M. Poňavič, R. Novotný, V. Baldík, V. Pecina & P. Müller

LIST OF POSTERS

PRESENTATION ON TUESDAY, JULY 22, 2025 - 13:00-14:00

SESSION 05: GEOCHRONOLOGY, PALEOCLIMATOLOGY, AND CLIMATE CHANGE

VARIAÇÃO REGIONAL DA PRECIPITAÇÃO NA BAHIA DESDE O ÚLTIMO MÁXIMO GLACIAL A PARTIR DA ANÁLISE ISOTÓPICA DE ESPELEOTEMAS

C. T. Cruz & F. W. C. Filho

TRACKING PAST RELATIVE SEA-LEVEL CHANGES USING PHREATIC OVERGROWTH ON SPELEOTHEMS FROM YUCATAN PENINSULA, MEXICO

E. Hughes, V. J. Polyak, D. Valera-Fernández, R. López-Martínez, E. Sosa, J. X. Mitrovica, Y. Asmerom & B. P. Onac

STABLE ISOTOPE GEOCHEMISTRY IN SPELEOTHEMS FOR THE DEVELOPMENT OF PALEOCLIMATIC AND PALEOENVIRONMENTAL STUDIES

A. M. Santos, P. Assunção & L. B. Nogueira

THE COUPLING BETWEEN MONSOON RAINFALL AND SEA SURFACE TEMPERATURES IN THE SUBTROPICAL SOUTH ATLANTIC DURING THE LAST GLACIAL PERIOD

L. C. Vasconcelos & F. W. Cruz

SESSION 06: KARST GEOMORPHOLOGY

APPLICATION OF DRONES FOR GEOMORPHOLOGICAL CHARACTERIZATION, DETECTION AND CONTROL OF ENVIRONMENTAL LIABILITIES IN THE CENTROPETAL POLYGONAL BASIN OF VARGEM DA LAPA

A. Barioni, A. S. Auler, J. Mantovani & A. C. Colangelo

PROSPECÇÃO DE CAVERNAS A PARTIR DA DETECÇÃO SEMIAUTOMÁTICA DE DEPRESSÕES OBTIDAS COM MODELO DIGITAL DE ELEVAÇÃO-MDE, NA REGIÃO DA APA NASCENTES DO RIO VERMELHO-GO.

C. F. Ferreira & J. C. R. Reino

SPELEOGENESIS OF PUNTALI CAVE (SICILY, ITALY): AN EXAMPLE OF FLANK MARGIN CAVE IN TELOGENETIC LIMESTONES

A. Gullo, G. Madonia, G. Scopelliti, M. Vattano & C. Di Maggio

ESTUDO DA GEOMORFOLOGIA CÁRSTICA NA REGIÃO DO ASTROBLEMA DE ARAGUAINHA: CAVERNAS DE ARENITO NO MUNICÍPIO DE PONTE BRANCA – MATO GROSSO

I. M. Oliveira & I. L. Lazzarotto Cabral

AN EXAMPLE OF KARST PAVEMENT IN A TROPICAL KARST SCENARIO AT THE BODOQUENA NATIONAL PARK, BRAZIL

L. E. P. Travassos, D. J. dos Santos & M. Gomes

THE GEOMORPHOLOGY OF THE CAVES IN THE ALUNUL MARE - ONCEASA - SOMESUL CALD AREA, BIHOR MOUNTAINS, ROMANIA

L. Vălenas, E. Silvestru, G.-E. Ples, M. Cristian & O. Guja

DISTRIBUIÇÃO DOS AFLORAMENTOS METACARBONÁTICOS DO CARSTE DO LEGADO VERDES DO CERRADO E ARREDORES, CENTRO-OESTE DO BRASIL

M. H. C. Zancopé, R. Silva & R. S. Momoli

THE ROLE OF TECTONICS IN CAVE FORMING AND WATER MIGRATION: AN EXAMPLE FROM THE AMATÉRSKÁ CAVE (CZECH REPUBLIC)

V. Baldík, J. Rez & R. Novotný

PRELIMINARY CHARACTERIZATION OF KARST IN BALING, KEDAH, MALAYSIA

R. F. Muhammad, M. A. A. Zaidi, M. A. H. Ngari & M. F. M. Daud

SESSION 07: KARST HYDROGEOLOGY AND SPELEOGENESIS

A MULTIDISCIPLINARY STUDY TO UNDERSTAND THE SPELEOGENESIS AND EVOLUTION OF SAN GIOVANNI CAVE (DOMUSNOVAS, SW-SARDINIA)

A. Naseddu, F. Casti, M. R. Cadoni, L. Pisani, A. Zarantonello, T. Santagata, C.-Y. Huang, H.-M. Hu, C.-C. Shen, R. Braucher & J. De Waele

SEASONAL VARIABILITY IN THE RUDICE SINKHOLE – BÝČÍ SKÁLA CAVE SYSTEM WATERS

V. Kršková, V. Baldík, R. Hadacz, E. Kryštofová, J. Faimon, P. Pracný, R. Novotný, J. Nečas & S. Lejska

INFLUENCE OF BRITTLE DEFORMATION ON WATERFLOW AND RETENTION OBSERVED IN A CAVE (HOCHSCHWAB, EASTERN ALPS)

R. Michtner, E. Kaminsky, B. Funk, H. Bauer, K. Decker & L. Plan

UNDERGROUNDWATER ORIGIN IN JAVORÍCKO AND MLADEČ KARST AREAS

R. Novotný, E. Kryštofová, J. Novotná, V. Baldík, J. Rez & V. Kršková

LIST OF POSTERS

PRESENTATION ON TUESDAY, JULY 22, 2025 - 13:00-14:00

SESSION 08: CAVE AND KARST PROTECTION AND MANAGEMENT

Subsession 08.2: Cave and Karst Tourism

A CASE STUDY OF SHOW CAVES SUSTAINABLE UTILIZATION IN GUILIN, GUANGXI, CHINA

W. Chen, Y. Deng & Y. Wei

STUDY ON THE SUITABLE UTILIZATION OF CAVE AIR ENVIRONMENT – A CASE STUDY OF THE DACAO TIANKENG–HONGMEIGUI CHAMBER CAVE SYSTEM

T. Pan, W. Shi, C. Li & L. Tang

O PLANO DE MANEJO ESPELEOLÓGICO DO BURACO DO PADRE, PONTA GROSSA (PR), BRASIL

H. S. Pontes, J. C. Vargas, R. A. Guimarães & A. F. D. Filho

DESAFIOS PARA OPERAÇÃO DE CAVERNAS TURÍSTICAS NO BRASIL

G. C. Sessegolo

O PROCESSO DE PROTEÇÃO DA GRUTA DA LANCINHA/PR: QUATRO DÉCADAS PARA SUA EFETIVAÇÃO?

G. C. Sessegolo, L. F. S. Rocha & K. M. Mise

AVALIAÇÃO PARA O USO TURÍSTICO DO GEOSÍTIO MORRO DO PENDURADO, NO PARNA UBAJARA-CE

C. Almeida, C. Veríssimo, P. Moura & D. B. Rodrigues

PROPOSAL FOR TOURISM MANAGEMENT BASED ON THE CALCULATION OF CAVE'S SENSITIVITY IN THE ORIENTE ANTIOQUEÑO KARST, COLOMBIA

D. Cruz & N. Uasapud

ADJUSTED CAVE CARRYING CAPACITY FOR CAVE MANAGING: AN EXAMPLE FROM COLOMBIA

N. Uasapud, M. Weber & A. Calux

SESSION 08: CAVE AND KARST PROTECTION AND MANAGEMENT

Subsession 08.3 Environmental Education

SEE EDUCATIVA: ENVIRONMENTAL EDUCATION ON SPELEOLOGICAL HERITAGE AND ITS IMPORTANCE TO SOCIETY

G. P. F. Belga, L. F. S. S. Leite, G. V. Marques, M. M. Ferreira, A. N. Pedrosa, A. L. R. Ferreira, I. G. G. Santos & S. P. A. Silva

EDUCAÇÃO AMBIENTAL COMO EXTENSÃO UNIVERSITÁRIA PARA A PROTEÇÃO DO PATRIMÔNIO ESPELEOLÓGICO DA APA NASCENTES DO RIO VERMELHO, MAMBAÍ (GO)

A. A. Cordovil, J. P. P. Faria, S. N. F. Silva, D. H. F. Muniz, É. M. Oliveira, R. J. Merisse, S. R. Borges & C. J. S. Passos

CAVERNAS, MINERAÇÃO E COMUNIDADES DA AMAZÔNIA: A CAVERNA LABIRINTO DE MÁFICA E O CASO DA VILA NA RACHA PLACA EM CANAÃ DOS CARAJÁS/PA

G. Crescencio, P. L. C. Saviato, M. J. S. Almeida & M. J. Saviato

RELATÓRIO FINAL DO II SEMINÁRIO APPANEANO FLORADA NO CARSTE DO ALTO SÃO FRANCISCO

F. N. Drumond, P. J. Oliveira, E. R. Pimentel, B. M. Kraemer & B. S. Santiago

WONDERFUL CAVE WORLD CHILDREN'S DRAWING COMPETITION

I. Lénárt & G. Hegedűs

STRATEGIES TO TRANSFORM SOCIETY'S VIEW ON NATURE CONSERVANCY THROUGH ENVIRONMENTAL EDUCATION FOCUSED ON PSEUDOKARST – CASE STUDY

F. Motta, L. F. Teixeira & C. Kinoshita

ESPELEOEDUCAR: A EXTENSÃO UNIVERSITÁRIA COMO RAMO DA ESPELEOLOGIA EM CONJUNTO COM A EDUCAÇÃO AMBIENTAL

A. L. V. Santos, A. L. M. Andrade, A. A. Cordovil, A. J. P. Rodrigues & P. P. B. Senhorinho

SICILIA BAT NIGHT: A TOOL FOR A PROPER AND EFFECTIVE DISSEMINATION OF BATS

M. Vattano, P. Valenti, L. Sausa, S. Bondi, S. Marineo & G. Madonia

CAVERNA DE GUARÉÍ: PRIMEIRO ESTUDO ESPELEOLÓGICO E POTENCIAL EDUCACIONAL

E. S. Wernek, J. A. Samila & M. S. Silvério

LIST OF POSTERS

PRESENTATION ON TUESDAY, JULY 22, 2025 - 13:00-14:00

SESSION 08: CAVE AND KARST PROTECTION AND MANAGEMENT

Subsession 08.4: Legislation

THE USE OF ENVIRONMENTAL COMPENSATION AS A MECHANISM FOR PROTECTING SPELEOLOGICAL HERITAGE: THE EXAMPLE OF FAZENDA RESSACA IN THE ALTO SÃO FRANCISCO SPELEOLOGICAL PROVINCE, MINAS GERAIS, BRAZIL

A. Calux & E. Gomig

ENVIRONMENTAL LICENSING AND SUPPRESSION OF CAVES AT MINA LIMEIRA: PRESERVING PHYSICAL ENVIRONMENT INFORMATION THROUGH SPELEOLOGICAL SALVAGE

A. Calux, E.G. Gomig, E. Piazzentim & D.G. Checchia

CAVES WITHIN THE CONTEXT OF BRUMADINHO B1 DAM BURST TRAGEDY

F.V. Laureano, V.B. Pimenta, A. Gontijo & F.J.G. Frigo

SESSION 09: EXPLORATION, SPELEOLOGICAL TECHNIQUES, AND MATERIALS

Subsession 09.2: Exploration

PROSPECÇÃO ESPELEOLÓGICA COM O USO DE DRONES: CARACTERIZAÇÃO DE ÁREAS, IDENTIFICAÇÃO DE RISCOS E POTENCIAIS ESPELEOLÓGICOS

E. Nestor, M. Costa, D. Henriques, A. Machado, M. Vitor, E. Kennedy & E. Junio

BULHA D'ÁGUA, AS DESCOBERTAS EM 20 ANOS DE EXPLORAÇÕES E O FUTURO DA REGIÃO

A. Camargo

PROSPECÇÃO E TOPOGRAFIA DE CAVERNAS NA PORÇÃO NORTE DA SERRA DE BALDIM, MINAS GERAIS, BRASIL

N. B. O. R. Costa, J. D. Rosário & L. A. Cardoso

RECENT EXPLORATION IN SISTEMA CHEVE, OAXACA, MEXICO

M. D. Covington, W. C. Stone & B. L. Shade

CONTRIBUTIONS TO NATIONAL SPELEOLOGICAL DATABASES: CAVES OF THE MIDDLE RIO DAS VELHAS WATERSHED

A. Fernandes, L. Faria, N. Silva & M. Moreira

THE SULFUR AND EDWARDS MOUNTAIN CAVE SYSTEMS OF SOUTHERN KENTUCKY, USA

L. J. Florea & C. Bauer

VEGETAÇÃO COMO INDICADORA DE ÁREAS CÁRSTICAS. VEGETATION AS INDICATOR OF KARSTIC AREAS

C. G. F. Gomes & R. S. Momoli

ESPELEO COLOMBIA 2010–2019: 10 AÑOS DE ESPELEOLOGÍA SUIZA EN LOS ANDES

R. Hapka

EXPEDITION SILA 2023: EXPLORATIONS DE CAVITÉS GLACIAIRES AU GROENLAND DU SUD

R. Hapka

TYPICAL OF CARBONATE ISLAND CAVE IN STRIKE-SLIP FAULT SETTING: EXPLORED FROM MARATUA ISLAND, INDONESIA

E. Haryono, M. H. D. Sasongko, J. B. Setiawan & D. H. Barianto

THE IMPORTANCE OF PROTECTED SPACES FOR THE CONSERVATION OF THE KARST HERITAGE: A PARTICIPATORY EXPERIENCE AT RPPN FAZENDA SERRA NEGRA (MG)

I. Irsigler, L. Coimbra, M. Barbosa, H. Silva, L. Sposte, P. Neto & R. M. Neto

THE LATEST EXPLORATIONS OF CZECH AND SLOVAK SPELEOLOGICAL SOCIETIES IN CAVE SYSTEMS IN RIVIERA MAYA, MEXICO

Z. Motycka

SHPELLA E VALBONES – THE DEEPEST CAVE OF ALBANIA (PROKLETIJE MOUNTAINS)

M. Stupińska, M. Polok, B. Ridush, Y. Popiuk, A. Pereswiet-Soltan, S. Pospula & A. Rachwald

THE EXPLORATION AND MAPPING OF THE WHIGPISTLE CAVE SYSTEM, EDMONSON COUNTY, KENTUCKY, USA

J. Despain, N. Lathrop & P. Kambesis

USO DE SENSOR LIDAR COMO FERRAMENTA PARA OTIMIZAÇÃO DE PROSPECÇÃO ESPELEOLÓGICA EM ÁREAS REMOTAS

T. Lima, A. Barata, B. Scherer, B. Aguiar & C. Calle

LIST OF POSTERS

PRESENTATION ON TUESDAY, JULY 22, 2025 - 13:00-14:00

SESSION 09: EXPLORATION, SPELEOLOGICAL TECHNIQUES, AND MATERIALS Subsession 09.3: Topography, Mapping, 3D Scanning, and Documentation

ESPELEOTOPOGRAFIA: ANÁLISE COMPARATIVA DE TOPOGRAFIA CONVENCIONAL E LASER SCANNER NAS CAVIDADES: N4WS_0072 E N4WS_0073, SERRA NORTE, PARAUAPEBAS -PA

M.J.S. Almeida, R.L.S. Mota, F.L. Soares, M.M. Guimarães, A.M.F. Neto, A. Barata, B. Scherer & J. Moreira

POTENCIAL CIENTÍFICO E CONSERVAÇÃO DA GRUTA DA ONÇA GOIANA: PRIMEIRA ABORDAGEM ESPELEOLÓGICA

A.A. Cordovil, N. Durães, A.C. Oliveira, P.P.B. Senhorinho, C.C. Braga, D.S. Menin, C.F. Stumpf & T.G.R. Ribeiro

ATUALIZAÇÃO E VALIDAÇÃO DE DADOS GEOESPACIAIS DE CAVIDADES NATURAIS: UM ESTUDO DE CASO EM RIO BRANCO DO SUL-PR

E.R. do Nascimento, T.V.M. Sampaio, D.M. dos Santos, A.S. Pulcini & G.G. Gnata

TIME TRAVEL: AN OVERVIEW OF THE MAIN CAVING EQUIPMENT FROM THE 80S AND 90S IN BRAZIL AND ITS TECHNOLOGICAL EVOLUTION

F.K. do Nascimento & L.E. Faria

PROJETO “MAR DE MINAS”: UM RECORTE DAS OCORRÊNCIAS ESPELEOLÓGICAS

E. Muniz, L. Audibert, C. Rayoni, A. Fonseca, F. Jesus & L.C. Cruz

INFOCAV, AN ONLINE REGISTRY OF ARGENTINE CAVES

G. Redonte, D. Paz

LOS RELEVAMIENTOS TOPOGRÁFICOS EN EL SISTEMA CAVERNARIO CUCHILLO CURÁ, NEUQUÉN, ARGENTINA

G. Redonte, L.G. Zungri, E. Maurino & E. Tedesco

DESEMPENHO DO SCANNER PORTÁTIL BLK2GO NA ELABORAÇÃO DE MAPAS ESPELEOTOPOGRÁFICOS: UM ESTUDO DE CASO

S.L. Sales, F.I.A. Braga, Í.C. de Souza, L.C.C. Freitas, I.C.L. Silva, B.H.S. Oliveira, L.M.D. Maciel & B.F. de Aguiar

PROJETO UNALÂNDIA (GREGEO): TOPOGRAFIA E CARACTERIZAÇÃO DE CAVIDADES INTEGRADO À CAPACITAÇÃO EM ESPELEOLOGIA

C.F. Stumpf, J.P.P. Faria, S.S. de Almeida, A.L.V. dos Santos, A.L.M. de Andrade, A.C. Oliveira, N. Durães & T.G.R. Ribeiro

SESSION 10: CAVE RESCUE

ESPELEOLOGIA E A SEGURANÇA EM ÁREAS REMOTAS: DESAFIOS E ESTRATÉGIAS DE IDENTIFICAÇÃO DE RISCOS E PREVENÇÃO DE ACIDENTES

F. Evangelista, R. Araújo, I. V. Brandj, A. Martins & C. Neves

SESSION 11: ARTIFICIAL CAVITIES

CAVERNAS? O USO DO TERMO NOS RELATÓRIOS TÉCNICOS SOBRE O CASO DA SUBSIDÊNCIA DE SOLO EM MACEIÓ (AL)

E. T. Cruz & M. S. Luedemann

SESSION 12: PSEUDOKARST AND NON-TRADITIONAL KARST

CARACTERIZAÇÃO DE CAVIDADE EM QUARTZITOS E ROCHAS FERRÍFERAS - ITAPANHOACANGA, MG

L.A. Cunha, U.F.M. Procópio, A.M.C. Vasconcelos, G.A. Battilani, A.C.M. Caixeta, E.A. M. Sanchez, D.M.B. Moraes & J. Rodet

METHODOLOGY PROPOSAL FOR PREDICTING SPATIAL PATTERNS OF TALUS PSEUDOKARST

L.F.G. Teixeira

KARREN-LIKE FEATURES IN THE GRANITES OF QUIXADÁ, CEARÁ, BRAZIL: AN INTRODUCTION

L.E.P. Travassos, G.L.B. dos Santos & R.P. Maia

PRESENTATION ON THURSDAY, JULY 24, 2025 - 13:00-14:00

SESSION 14: CLIMATOLOGY AND MONITORING

RELATIONSHIP BETWEEN ENVIRONMENTAL DYNAMICS AND GEOCHEMISTRY OF WELL-VENTILATED CAVES IN CENTRAL BRAZIL

V. Bohrer, E. L. G. Assumpção, P. F. S. M. Buarque, M. S. Santos, H. R. Sales, F. W. Cruz & N. M. Stríkis

PRELIMINARY DATA ON THE RHYTHMIC TIDAL FLOW INSIDE THE BUE MARINO CAVE (SARDINIA, ITALY)

M. Chiesi, F. Murgia, A. Marassich & P. Forti

QUENTE OU FRIO? COMO O ENTORNO, SAZONALIDADE E ÁGUA ATUAM NA TERMORREGULAÇÃO DE CAVERNAS FERRÍFERAS

M. Merlo, M. Oliveira, A. Calux, I. Brandj, T. Pietrobon & C. Lott

LIST OF POSTERS

PRESENTATION ON THURSDAY, JULY 24, 2025 - 13:00-14:00

GEOTECNOLOGIAS APLICADAS AO MONITORAMENTO DA SAZONALIDADE DA LAGOA DO SUMIDOURO, MINAS GERAIS, BRASIL

B. D. Rodrigues, J. B. Souza & L. E. P. Travassos

PROPOSIÇÃO DE MÉTODO PARA MONITORAMENTO DE POLÍGONO DE INFLUÊNCIA DE CAVIDADES

G. Soares & P. Machado

VIRTUAL TOURS FOR MONITORING PHYSICAL CHANGES IN FERRIFEROUS CAVES: A COMPARISON WITH TRADITIONAL PHOTOGRAPHIC METHODS

A. C. M. Viana, A. H. F. Coelho & M. P. A. Oliveira

SESSION 03: CAVE PALEONTOLOGY

RECORD OF TEIIDAE (SQAMATA) IN TOCA DA TRINCHEIRA, BAHIA: IMPLICATIONS FOR THE QUATERNARY HERPETOFAUNA

A. V. Araujo, J. P. Costa, N. M. Stoppa, S. O. Lomba, A. S. Hsiou & M. A. T. Dantas

FOSSIL RECORD OF PLATYRRHINE PRIMATES IN BRAZILIAN CAVES: NEW REPORT OF ALOUATTA SP.

A. V. Araújo, J. P. Costa & M. A. T. Dantas

BODY MASS ESTIMATES FROM SKELETAL REMAINS OF CONEPATUS CF. AMAZONICUS (CARNIVORA, MEPHITIDAE) PRESERVED IN POÇO AZUL DE MILÚ, NOVA REDENÇÃO, BA

M. R. Fonseca, V. P. S. Neto, L. V. Santos, L. A. Silva, M. B. S. Lacerda & A. Liparini

RESVISITANDO A LOCA DO ANGÁ: NOVOS ACHADOS PALEONTOLÓGICOS

B. Kraemer & L. E. P. Travassos

GRUTA JOÃO LEMOS: UM NOVO MARCO PALEONTOLÓGICO PARA A REGIÃO DE PAINS, MINAS GERAIS, BRASIL.

B. Kraemer, M. B. Timo & L. E. P. Travassos

EXPOSIÇÕES ESTROMATOLÍTICAS EM CAVERNA: CONTRIBUIÇÃO AO PATRIMÔNIO GEOESPELEOLÓGICO DA GRUTA DO TAMBORIL, UNAÍ (MG)

C. F. Stumpf, T. G. R. Ribeiro, S. A. Santos, J. S. Pereira, B. Presley & P. F. Barbosa

IDENTIFICATION OF VERTEBRATE REMAINS IN KARST SEDIMENTS IN MINAS GERAIS, BRAZIL

L. E. P. Travassos, I. M. Oliveira, P. O. Paulo & M. B. Timo

RESEARCH ON TAPHONOMY AND ICHNOLOGY IN BRAZILIAN CAVES: A SCIENTOMETRIC ANALYSIS

L. Alves-Silva, R. A. Leoni, L. H. M. S. Trifilio, J. P. Costa, I. M. Oliveira & H. I. Araújo-Júnior

SESSION 15: SPECIAL TOPICS

INTEGRAÇÃO DE INTELIGÊNCIA ARTIFICIAL NO ESPELEOVALE – UM SISTEMA SAAS PARA ANÁLISE DE DADOS ESPELEOLÓGICOS

W. Araújo, R. Araújo & E. Oliveira

SOFTWARE PARA GERENCIAMENTO DE DADOS ESPELEOLÓGICOS: ESTUDO DE CASO DE DUAS CAVIDADES DE MÁXIMA RELEVÂNCIA

A. Assunção, F. Oliveira, G. Melo, N. Oliveira, G. Perroni, E. Oliveira, M. Normitta & A. Souza

TRANSFORMAÇÃO DIGITAL NA ESPELEOLOGIA PROFISSIONAL COM A ANÁLISE DE RISCO POR APLICATIVO – SPELEO SAFETY

T. Bramusse, L. Luzzi, T. Pietrobon, V. Junior, R. Gomes & R. Fontes

TOMOGRAFIA SÍSMICA APLICADA A PERFILAGEM E IDENTIFICAÇÃO DE CAVIDADES EM LITOLOGIAS FERRÍFERAS

C. Calle, L. Luzzi & M.L.F. Junior

DESAFIOS DA CRIAÇÃO E DESENVOLVIMENTO DE UM GRUPO DE EXTENSÃO EM ESPELEOLOGIA

J. Gutierrez, L. Brasileiro, G. Escada, V. Gaiola, G. Saldanha & Z. Cipriano

VEGETAÇÃO ASSOCIADA AOS NEOSSOLOS LITÓLICOS DO CARSTE DO GRUPO PARANOÁ, GOIÁS. VEGETATION ASSOCIATED WITH KARST LEPTOSOLS OF PARANOÁ GROUP ROCKS, GOIÁS

I.N.M. Ferreira, E.D. Nunes, F. Venturoli & R.S. Momoli

UNIVERSITY SPELEOLOGY: DIVERSITY, RENEWAL, AND FUNDING

L. Charlotte, P. Oliveira, P. Sumiyoshi, L. Brasileiro, G. Beck & L. José

FLORA ASSOCIATED WITH THE VOLKS CLUB CAVE, FEDERAL DISTRICT, BRAZIL

C.T. Lauriola, M. Vendramini, M.E. Nunes, G.E.S. Pereira, I.P. Ferreira, M.C. Camelo & M. Carvalho-Silva

APLICAÇÃO DE GEOTECNOLOGIAS NO MONITORAMENTO DE BACIA HIDROGRÁFICA DE CAVERNA

J.A. Moura, A.H.F. Coelho, M.P. Oliveira, J.A. Moreira & B.S. Scherer

LIST OF POSTERS

PRESENTATION ON THURSDAY, JULY 24, 2025 - 13:00-14:00

OBSERVATÓRIO DAS CAVERNAS E DA REGIÃO CÁRSTICA DO ESTADO DO PARANÁ – OBSCAVERNAS

E.R. do Nascimento, E.F. Berra, C.T. de Almeida, M.M.S. Neto, E.C.L. Frick & F.M. Breunig

POTENCIAL ESPELEOLÓGICO MULTICRITÉRIO: ESTUDO DA FLORESTA NACIONAL DE CARAJÁS/PA

G. Soares, V. Minelli, E. Moreira, J. Moreira, A. Barata & B. Scherer

CONSIDERAÇÕES SOBRE A DISTRIBUIÇÃO DE CAVIDADES EM ROCHAS GRANÍTICAS, GRANITO – GNAISSE E GRANITÓIDES E ÍGNEAS DIVERSAS EM MINAS GERAIS – BRASIL

F.J.G. Frigo & G. Dutra

SESSION 16: SUBTERRANEAN BIOLOGY

HYMENOPTERA (INSECTA: HYMENOPTERA) ASSOCIATED WITH CAVE ENVIRONMENTS IN MEXICO

L. Aguirre-Plata & G. Castaño-Meneses

FIRST RECORDS OF ARTHROPODS IN CUEVA DE LA CURVA, JALPAN DE SERRA, QUERÉTARO, MEXICO

L. Aguirre-Plata, G. Castaño-Meneses & A. Rodríguez

RIVER BANK INFLUENCING SPATIAL DISTRIBUTION OF TERRESTRIAL CAVE INVERTEBRATES

A.L. Alves, P.C. Reis-Venâncio, R.L. Ferreira & M. Souza-Silva

ANEMOPHILOUS MYCOBIOTA IN BAT CAVES OF NORTHEAST BRAZIL

V. Alves, M. Silva, J. Lima, R.A. Lira, T. Santos, E. Barbier, J. Bezerra & C. Souza-Motta

CAVES AS KEY HABITATS FOR THE ACOUSTIC DETECTION OF BRAZILIAN THREATENED BAT SPECIES

G. Appel, P.A. Rocha, T.C.M. Benathar, T.C. Giannini, X. Prous, M.S.R. Pereira, V.C. Tavares & L.C. Trevelin

BRIDGING GAPS IN BAT-FLOWER INTERACTIONS: LITERATURE REVIEW AND CASE STUDY IN IRON-ORE CAVES

T.C.M. Benathar, G. Appel, C. Carvalho, P.A. Rocha, X. Prous, M. Ribeiro, L.C. Trevelin & V.C. Tavares

ASSESSMENT OF THE IMPACTS OF MANAGEMENT AND SAMPLING STRATEGY ON THE HEMATOLOGICAL PROFILES OF FURIPTERUS HORRENS

T.C.M. Benathar, G. Appel, P. Rocha, J.C. Mena, X. Prous, M. Ribeiro, V.C. Tavares & L.C. Trevelin

UTILIZAR OU MORAR: O QUE A QUIROPTEROFAUNA DAS CAVERNAS DE NATALÂNDIA-MG NOS SUGERE SOBRE USO SAZONAL DE ABRIGOS E SUA RELEVÂNCIA?

I.D. Bueno-Rocha, M.L.R. Diogo, J.S. Pereira & L.M.S. Aguiar

ECOLOGY OF BROWN SPIDERS, LOXOSCELES ADELAIDA (ARANEAE: SICARIIDAE) IN A CAVE FROM ALTO RIBEIRA KARST AREA, SE BRAZIL

A.L. Camargo, R. Bessi & E. Trajano

ON THE SCORPION GENUS TROGLORHOPALURUS (ARACHNIDA: BUTHIDAE): TAXONOMY AND DISTRIBUTION

L.S. Carvalho, M.I.L. Silva, P.E. Souza & R.L. Ferreira

SPELEOLOGICAL RECOVERY: RESULTS OF FAUNAL RECOVERY IN CAVES LOCATED IN FERRUGINOUS SUBSTRATE OF THE IRON QUADRANGLE, MINAS GERAIS, BRAZIL

S.E.O. Alves, É. Castro, P.G. Silva & A. Auler

ASPERGILLUS AND PENICILLIUM FROM QUARTZITE AND FERRUGINOUS CAVES IN MINAS GERAIS

T.O. Condé, A.F. Leão, F.A. Custódio & O.L. Pereira

POPULATION ECOLOGY OF WANDERING SPIDERS, CTENUS FASCIATUS AND ENOPLCTENUS CYCLOTHORAX (ARANEAE: CTENIDAE) IN CAVES FROM ALTO RIBEIRA KARST AREA, SE BRAZIL

F. Pellegatti & E. Trajano

SURVEY OF FUNGI FROM THE AIR AND SEDIMENT OF THE LAPA DA CACHOEIRA DO FUNIL CAVE IN MAMBAÍ, GOIÁS, BRAZIL: PRELIMINARY DATA

E. Fonseca, C. Lima, J. Prazeres, P. Oliveira, L. Miranda, R. Momoli, C. Souza-Motta & J. Bezerra

DINÂMICA SAZONAL E RIQUEZA DE MORCEGOS EM CAVERNAS DA FLORESTA NACIONAL DE CARAJÁS, NO MUNICÍPIO DE CANAÃ DOS CARAJÁS, PARÁ, BRASIL

S.M.C. Genelhú, M.A.C. Assis, M.S.R. Pereira, A. Reis, X. Prous, G. Pacheco, R.K.S. Costa & M.H. Simões

CAVES AS A CRUCIAL REFUGE: LARGE COLONY OF THE ENDANGERED SPECIES NATALUS MACROURUS (GERVAIS, 1856) IN AN ANTHROPIZED LANDSCAPE

S.M.C. Genelhú, R.C. Cardoso, R.S.A. Pires, M. Gamba-Rios & J.S. Barros

LIST OF POSTERS

PRESENTATION ON THURSDAY, JULY 24, 2025 - 13:00-14:00

ECOS INVISÍVEIS: INTEGRANDO A BIOACÚSTICA AO INVENTÁRIO DE MORCEGOS CAVERNÍCOLAS

B. Goulart, M.P.A. Oliveira, M. Pedroso, M.S. Souza, G. Pacheco, A. Reis, M.S.R. Pereira & T.G. Pellegrini

UNCOVERING THE MYCOBIOTA OF THE TETO DE SEIXOS CAVE

A.F. Leão, T.O. Condé, F.A. Custódio, J.A. Oliveira, D.O. Ramos & O.L. Pereira

BAT MYCOBIOTA: A PRELIMINARY ASSESSMENT IN A CAVE IN NORTHEAST BRAZIL

J. Lima, R. Lira, V. Alves, É. Barbier, J. Bezerra & C. Souza-Motta

CAVES OF THE POTIGUAR KARST: THE ROLE OF MYCOLOGICAL STUDIES IN MANAGEMENT PLANS

R. Lira, J. Lima, V. Alves, T. Santos, M. Pereira, É. Barbier, J.D.P. Bezerra & C.M.S. Motta

METAGENOME-ASSEMBLED GENOMES OF MICROBIAL COMMUNITIES ASSOCIATED WITH PLANT ROOTS FROM FERRUGINOUS CAVES IN THE AMAZON

V.C.C. Martins, G.L. Nunes, R.R.M. Oliveira, X. Prous, T. Pietrobon, G. Oliveira & S. Vasconcelos

CAVE FAUNA CONSERVATION IN A HIGHLY THREATENED SUBTROPICAL KARST AREA IN BRAZIL

L.M.R. Melo, R.L. Ferreira & M. Souza-Silva

COMPLETE MITOCHONDRIAL GENOMES OF FOUR NEW NOTERIDAE (COLEOPTERA) SPECIES FROM CAVES OF THE SERRA DOS CARAJÁS (PARÁ, BRAZIL)

M. Molina, A. Asenjo, M. Valois, X. Prous, T. Pietrobon, G. Oliveira, G.L. Nunes & S. Vasconcelos

INFLUENCE OF CLIMATIC SEASONALITY ON THE ARTHROPOD COMMUNITY ASSOCIATED WITH THE MESOVOID SHALLOW SUBSTRATUM (MSS) IN THE CARAJAS IRON FORMATIONS, EASTERN AMAZON, BRAZIL

D.R.M. Mendonça, R.C. Cardoso & G.A.S. Junior

DIVERSIDADE DE MOSCAS ECTOPARASITAS DE MORCEGOS NA GRUTA DAS FADAS – BODOQUENA, MS

A. Murgj, M.K.S. Jesus, A. Eriksson, L.M. Cordeiro & E. Fischer

EFFECTS OF CAVE CHARACTERISTICS ON BAT COMMUNITIES IN THE BODOQUENA KARST, MATO GROSSO DO SUL, BRASIL

A. Murgj, L.M. Cordeiro & E. Fischer

MYCOBIOTA OF A CAVE IN AMAZON RAINFOREST, BRAZIL

J.P. Nóbrega, J.R. Cavalcanti, J.M.S. Lima, R.N. Barbosa, D.M. Bento, C.M.S. Motta & R.F.R. Mello

FERIDAS NA TERRA: A LINHA DA IRREVERSIBILIDADE PARA CAVERNAS FERRUGINOSAS

M. Oliveira, G. Argolo, A. Coelho, J. Moura & G. Raposo

A FAUNA SUBTERRÂNEA NAS AVALIAÇÕES DE IMPACTOS AMBIENTAIS: UMA ABORDAGEM QUALITATIVA DOS ESTUDOS APRESENTADOS EM PROCESSOS DE LICENCIAMENTO AMBIENTAL NO BRASIL

L. Furtado, J. Macaron, A. Reis, A. Souza, J. Moreira, R.N. Araújo & C. Souza

SEGREDOS SOB A ROCHA: A DIVERSIDADE GEOLÓGICA E BIOLÓGICA DAS CAVIDADES DO PARQUE ESTADUAL DO ITACOLOMI

L. Oliveira, V.M. Martins, A. Coelho, M.P.A. Oliveira, R.B.P. Pietrobon, V.H.N. Silveira & G. Pedersoli

THIS CAVE IS MINE: POTENTIAL COMPETITIVE EXCLUSION BETWEEN TWO SPECIES OF ROWLANDIUS (SCHIZOMIDA: HUBBARDIIDAE) IN THE CAATINGA

O. Dantas, G. Costa, S. Silva, R. Ferreira & S. Lima

CAVE ANIMAL OF THE YEAR IN ITALY: A COMMUNICATION-ACTION CAMPAIGN FOR THE KNOWLEDGE AND PROTECTION OF BIODIVERSITY IN CAVES

F. Didonna, S. Orsini & G. Ragone

CONHECENDO A FLORA LIQUÊNICA PRESENTE NO CARSTE DA REGIÃO DE NATALÂNDIA - MG, BRASIL

J.S. Pereira, M.L.R. Diogo, N. Durães & A.C. Oliveira

MICROBIAL DIVERSITY AND GEOCHEMICAL CHARACTERIZATION OF FE-RICH CAVES IN DIAMANTINA (MG) AS ENVIRONMENTAL MODELS FOR HABITABILITY ON MARS

F. Peres, G. Silva, A. Bendia, E. Sanchez, A.C. Caixeta, G. Battilani, D. Galante & A. Vasconcelos

TAXONOMIA INTEGRATIVA DE ISÓPODES TERRESTRES (CIRCONISCUS, SCLEROPACTIDAE) ASSOCIADOS A CAVERNAS NA UNIDADE ESPELEOLÓGICA DE CARAJÁS

T. Pietrobon, R. Bastos-Pereira, G.M. Cardoso, S. Vasconcelos, L.A. Souza & G. Oliveira

COMPARING DIFFERENT METHODS FOR MEASURING CAVE AIRFLOW

C. Pastore, P.Y. Jeannin & M. Luetscher

LIST OF POSTERS

PRESENTATION ON THURSDAY, JULY 24, 2025 - 13:00-14:00

TESOUROS SOB O FERRO: A RIQUEZA GEOLÓGICA E BIOLÓGICA EM CAVERNAS SINGULARES DO QUADRILÁTERO FERRÍFERO

L.T.Z. Prandini, A.H.F. Coelho, M.P. Oliveira, M.H. Simões, C.H.T. Calle, A.S. Reis, M.S.R. Pereira & T.G. Pellegrini

ENTRE SOMBRAS E SALTOS: O QUE LEVA ANUROS A HABITAREM CAVERNAS?

L.T.Z. Prandini, V.M. Martins, M.P.A. Oliveira, R.B.P. Pietrobon, V.H.N. Silveira & G. Pedersoli

CHARACTERISATION AND ECOLOGICAL INSIGHTS INTO THE SOIL/SEDIMENT MYCODIVERSITY OF THE GRUTA DO PENHASCO CAVE IN THE BRAZILIAN SAVANNAH

J. Prazeres, P. Oliveira, E. Fonseca, L. Miranda, R.S. Momoli, C. Motta, A. Antunes & J. Bezerra

LIFE GLOWING IN THE DARKNESS: FUNGAL RICHNESS IN GRUTA DA VIOLA CAVE, MINAS GERAIS

D.O. Ramos, A.F. Leão, T.O. Condé, F.A. Custódio, J.A. Oliveira & O.L. Pereira

MORPHOFUNCTIONAL VARIATIONS OF MICONIA SELLOWIANA NAUDINN (MELASTOMATACEAE) ASSOCIATED WITH CAVE ENVIRONMENTS

G.H. Rosa, R.C. Cardoso, R.L. Ferreira & M. Souza-Silva

CATALOGUE OF FULGOROMORPHA SPECIES DEPOSITED IN THE ISLA (INVERTEBRADOS SUBTERRÂNEOS DE LAVRAS) COLLECTION

J. Santos & R. Ferreira

ANALYSIS OF BIOSPELEOLOGICAL METHODS AND STUDIES IN INVENTORIES FOR ENVIRONMENTAL LICENSING IN BRAZIL

T. Sato, P. Grandsire, B. Kraemer, B. Lima, M. Almeida, L. Barbosa, M. Xavier & E. Gottschalk

SUBTERRANEAN MYCOBIOTA: A PRELIMINARY STUDY OF FUNGI ISOLATED FROM THE SOIL OF PULPITO CAVE, FERRUGINOUS FIELDS NATIONAL PARK

A. Silva, J. Lima, V. Alves, E. Fonseca, S. Silva, D. Bento, C. Souza-Motta & J. Bezerra

MITOCHONDRIAL GENOMES AND PHYLOGENETIC RELATIONSHIPS OF SIX CAVE CRICKET SPECIES OF ENDECOUS SAUSSURE, 1878 (ORTHOPTERA: PHALANGOPSIDAE)

J.C. Farias, P.H.M. Carvalho, R.L. Ferreira, D.M. Bento & S. Vasconcelos

BRYOPHYTES OF BRAZILIAN CAVES, AN UNKNOWN DIVERSITY

M.C. Silva, C.O. Castro, M. Vendramini, M.E.A. Nunes & P.E.A.S. Câmara

RICHNESS OF ANEMOPHILOUS FUNGI IN A BAT CAVE OF FLONA DE CARAJÁS-PA, BRAZIL

M. Silva, V. Alves, J. Lima, R. Lira, A. Silva, S. Silva, D. Bento & C. Souza-Motta

TO BE OR NOT TO BE A TROGLOBITIC? TROGLOMORPHISMS IN BRAZILIAN CAVE FAUNA

M.H. Simões, M. Souza-Silva, P.C. Reis-Venâncio & R.L. Ferreira

LITHOLOGY OR BIOME: WHICH CONTRIBUTES MORE TO CAVE SPECIES RICHNESS?

M.H. Simões, R.A. Zampaulo & S.L. Sales

A NEW SPECIES OF ATTALEACHERNES BEIER, 1937 (PSEUDOSCORPIONES, CHERNETIDAE) FROM NORTHEASTERN BRAZIL

L. Laibe, G.C. Prado & R.L. Ferreira

FROG DIVERSITY IN IRON CAVES OF CARAJÁS, SOUTHEASTERN AMAZONIA

C.C. Teixeira, L.C. Trevelin, V.C. Tavares, X. Prous & R. de Fraga

DO BAT COLONIES INFLUENCE SUBTERRANEAN INVERTEBRATES?

D. Torres, J. Gallão & M.E. Bichuette

TAXONOMY AND DISTRIBUTION OF COLOMBIAN CAVE-DWELLING MYGALOMORPH SPIDERS (ARANEAE: MYGALOMORPHAE)

R.A. Torres, L.A. Suárez-Martínez, L.M. Osorio, M. Gutiérrez-Estrada & A.J. Santos

UNVEILING BRAZILIAN SUBTERRANEAN DIVERSITY: NEW GENERA OF STYGOBIONT BEETLES WITH TAXONOMIC AND PHYLOGENETIC INSIGHTS

M. Valois, A. Asenjo, J. Lorena, G. Oliveira, X. Prous, T. Pietrobon & S. Vasconcelos

NOVOS DADOS SOBRE A BIOLOGIA DE GLYPHONYCTERIS BEHNII (CHIROPTERA: PHYLLOSTOMIDAE) NO QUADRILÁTERO FERRÍFERO, MINAS GERAIS, BRASIL.

R.A. Zampaulo, L.D. Audino, A.S. Reis, H.A. Botelho & M.S.R. Pereira

DISTRIBUIÇÃO DE LIONYCTERIS SPURRELLI THOMAS, 1913: CAMINHOS PARA MODELAGEM E CONSERVAÇÃO DA ESPÉCIE

M.T.M. Souza & J.M. Nascimento



19th INTERNATIONAL CONGRESS OF SPELEOLOGY

38^o Congresso Brasileiro de Espeleologia

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

CONGRESS SCHEDULE

CONGRESS DAILY SCHEDULE

19th International Congress of Speleology | 38^o Congresso Brasileiro de Espeleologia

Time		Thursday (24 th)	Friday (25 th)	Saturday (26 th)	Sunday (27 th)	
08:00	08:20	Scientific and Technical presentations Simposia Meetings Exhibitions SpeleMedia SpeleOlympics SpeleoKids	Registration	Scientific and Technical presentations Simposia Meetings Exhibitions SpeleMedia SpeleOlympics SpeleoKids	Scientific and Technical presentations Simposia Meetings Exhibitions SpeleMedia SpeleOlympics SpeleoKids	
08:20	08:40					
08:40	09:00					
09:00	09:20					
09:20	09:40					
09:40	10:00					
10:00	10:20					
10:20	10:40	Coffee break	Coffee break	Coffee break	UIS General Assembly (Second Session)	
10:40	11:00					
11:00	12:00	Keynote Lecture <i>Hazel Barton</i> Cave Microbes: How caves are going to save us all	Keynote Lecture <i>Andy Eavis</i> The Largest Caves in the World	Keynote Lecture <i>Robbie Schmittnee</i> Unveiling the Complex Cave Systems of the Yucatán Peninsula		
12:00	Lunch		Lunch			Closing Ceremony
13:00	Poster presentations					
14:00	14:20	Scientific and Technical presentations Simposia Meetings Exhibitions SpeleMedia SpeleOlympics SpeleoKids	Registration	Scientific and Technical presentations Simposia Meetings Exhibitions SpeleMedia SpeleOlympics SpeleoKids		Scientific and Technical presentations Simposia Meetings Exhibitions SpeleMedia SpeleOlympics SpeleoKids
14:20	14:40					
14:40	15:00					
15:00	15:20					
15:20	15:40					
15:40	16:00					
16:00	16:20					
16:20	16:40	Scientific and Technical presentations Simposia Meetings Exhibitions SpeleMedia SpeleOlympics SpeleoKids	Registration	Scientific and Technical presentations Simposia Meetings Exhibitions SpeleMedia SpeleOlympics SpeleoKids	Meetings and SBE Assembly	
16:40	17:00					
17:20	17:40					
17:40	18:00					
18:00	18:20					
18:20	19:00	Break	Break	Break		
19:00	20:00	Brazilian Evening Party (Caves of Peruaçu Room - 3th floor)	Registration	Contests Award Ceremony (map, photo, film, and SpeleOlympics)	UIS Awards Ceremony and Closing Banquet (Caves of Peruaçu Room - 3th floor)	
20:00	21:00					
21:00	22:00					
22:00	23:00	Contests Award Party (Caves of Peruaçu Room - 3th floor)	Registration			
22:00	23:00					

CONGRESS DAILY SCHEDULE

MONDAY, JULY 21, 2025				
Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium
08:00 - 08:20			<p>Geochronology, Paleoclimatology, and Climate Change</p> <p><i>C. Nhhme, S. Verheyden, T. Kluge, F.H. Nader, R.L. Edwards, H. Cheng, E. Eiche & P. Claeys</i></p> <p>EARLY-MIDDLE HOLOCENE CLIMATE RECONSTRUCTION FROM THE QADISHA RECORD (LEBANON)</p>	<p>Subterranean Biology</p> <p><i>M.S. Silva, H.A. Iuri, M.A. Mattioni, R.A. Zampaulo, G. Redonte, M. Paparas, S. Sicilia, R.L. Ferreira</i></p> <p>INVERTEBRATE FAUNA IN CUCHILLO CURÁ CAVE SYSTEM: THE FIRST HOTSPOT OF SUBTERRANEAN BIODIVERSITY IN PATAGONIA LOWLANDS</p>
08:20 - 08:40			<p>Geochronology, Paleoclimatology, and Climate Change</p> <p><i>A. Wolf, S. Bauer, F. Knolle</i></p> <p>EISKAPELLE – 33 YEARS OF MONITORING A FIRN ICE FIELD WITH THE EISKAPELLE CAVE SYSTEM IN THE GERMAN ALPS</p>	<p>Subterranean Biology</p> <p><i>L. L. S. Silva, G. C. Prado & R. L. Ferreira</i></p> <p>A NEW SPECIES OF ATTALEACHERNES BEIER, 1937 (PSEUDOSCORPIONES, CHERNETIDAE) FROM NORTHEASTERN BRAZIL</p>
08:40 - 09:00			<p>Geochronology, Paleoclimatology, and Climate Change</p> <p><i>Á.A. Garcia JR., B. Maldonado-Arroyo & Á.A. Acosta-Colón</i></p> <p>EXAMINING THE INTERNAL STRUCTURE AND GEOCHEMICAL PROPERTIES OF THE LOWER DISK OF A PALETTE SPELEOTHEM</p>	<p>Subterranean Biology</p> <p><i>M.F.V.R. Souza, V.G.P. Junta, L.A. Silva, S.G. Barbosa, G.P. Perroni, G.S.M. Pacheco, R.K.S. Costa & M.H. Simões</i></p> <p>ECOLOGICAL ASPECTS OF THE CAVE FAUNA IN SERRA DO GANDARELA NATIONAL PARK: A KEY CONSERVATION UNIT IN THE IRON QUADRANGLE, MINAS GERAIS</p>
09:00 - 09:20			<p>Geochronology, Paleoclimatology, and Climate Change</p> <p><i>N. Lončar</i></p> <p>DIVING INTO THE PAST: SUBMERGED COASTAL CAVES AS ARCHIVES OF CROATIAN ENVIRONMENTAL HISTORY</p>	<p>Subterranean Biology</p> <p><i>N. Friedrich & H. Barton</i></p> <p>PHAGE-HOST DYNAMICS IN THE WIND CAVE LAKES, SOUTH DAKOTA</p>
09:20 - 09:40				<p>Subterranean Biology</p> <p><i>V.G.P. Junta, J. Coelho, M. Oliveira-Santos, O. Pereira, M.H. Simões, G. Pacheco, R.K.S. Costa & M. Pedroso</i></p> <p>DOES SIZE MATTER? CAVE SIZE DRIVING SEASONALITY EFFECTS ON CAVE COMMUNITIES IN BRAZILIAN SAVANNAH</p>
09:40 - 10:00			<p>Legislation</p> <p><i>P. Fleury, M.C. Kankester</i></p> <p>CONTROVERSIES, CONFLICTS AND AGREEMENTS ON CAVES PROTECTION</p>	<p>Subterranean Biology</p> <p><i>R.A. Castro-Souza, R. L. Ferreira, M.S. Silva, G. Oliveira, A. Kempner & T. Sobral-Souza</i></p> <p>STRATEGIC SITES FOR CAVE PROSPECTING AND NON-TROGLOBITIC FAUNAL SURVEYS IN BRAZIL</p>
10:00 - 10:20			<p>Legislation</p> <p><i>T. Souza, D. Pujani & A.S. Auler</i></p> <p>VULNERABILITY INDEX OF SPELEOLOGICAL HERITAGE TO IMPACTS</p>	<p>Subterranean Biology</p> <p><i>D.A.C. Fernandez, N. Simões & H.S. Garrido</i></p> <p>CENOTES, WINDOWS TO THE UNDERGROUND AQUIFER, LINK BETWEEN GEOMORPHOLOGY AND ENVIRONMENTAL CHARACTERISTICS: DIFFERENT TYPES OF ECOSYSTEMS</p>
10:20 - 10:40			<p>Legislation</p> <p><i>F. Didonna & P. Fleury</i></p> <p>EUROPEAN ENVIRONMENTAL CAVES OUTLOOK PROJECT</p>	<p>Subterranean Biology</p> <p><i>L.M.R. Melo, R.L. Ferreira & M. Souza-Silva</i></p> <p>THE INFLUENCES OF ENVIRONMENTAL FACTORS ON CAVE INVERTEBRATE COMMUNITIES IN A ATLANTIC RAINFOREST AREA</p>
10:40 - 11:00	Coffee break			
11:00 - 12:00	<p>Keynote Lecture</p> <p>Paul Williams - UNESCO World Heritage caves and karst: present situation and future prospects</p>			
12:00 - 14:00	Lunch			

CONGRESS DAILY SCHEDULE

MONDAY, JULY 21, 2025				
Time	PILÓ Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium
08:00 - 08:20	<p>Audio and Video Productions</p> <p><i>J. Crockett, C. Buswell & S. Iannello</i></p> <p>THE NULLARBOR IS UNDER THREAT</p>			
08:20 - 08:40	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>B.R. Mavlyudov</i></p> <p>FORMATION OF MOULINS</p>			
08:40 - 09:00	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>B. Langford, A. Gayer & A. Frumkin</i></p> <p>PIPING EROSION AND ITS IMPACT ON LANDSCAPE MORPHOLOGY AT THE DEAD SEA BASIN, ISRAEL</p>		<p>Artificial caves</p> <p><i>F. Lindenmayr</i></p> <p>ERDSTÄLLE - - MYSTERIOUS UNDERGROUND STRUCTURES IN CENTRAL AND WESTERN EUROPE</p>	
09:00 - 09:20	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>R.S. Araujo & M.C. Pereira</i></p> <p>CARACTERIZAÇÃO GENÉTICA E MORFOLÓGICA DAS CAVIDADES NATURAIS GRANÍTICAS DO MUNICÍPIO DE NOVA VENÉCIA</p>		<p>Artificial caves</p> <p><i>L.E. Faria & A.C.M. Siqueira</i></p> <p>HISTORICAL ARTIFICIAL CAVES IN BRAZIL: FROM A FASHION TO AN ART AND ARCHITECTURAL PROPOSAL (OR VICE VERSA)</p>	
09:20 - 09:40	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>E.A. Haddad & A. Pizarro</i></p> <p>CAVIDADES NATURAIS EM GRANITO: BREVE REVISÃO DE TIPOS</p>		<p>Artificial caves</p> <p><i>C. Galeazzi, C. Germani, G. Belvederi, R. Bixio, M. Betti & M. Parise</i></p> <p>UPDATING THE TYPOLOGY CLASSIFICATION OF ARTIFICIAL CAVITIES</p>	
09:40 - 10:00	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>J. Rodet, A.M.C. Vasconcelos & F.P. Rodrigues</i></p> <p>ALLUVIUM OR ALTERITES IN QUARTZITE KARST ? THE CASE OF MONTE CRISTO CAVE (MINAS GERAIS, BRAZIL)</p>		<p><i>Meeting: Artificial Cavities Commission</i></p>	
10:00 - 10:20	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>B.V.R. Leão, A.M.C. Vasconcelos & J. Rodet</i></p> <p>A GRUTA QUARTZÍTICA LAPA SANTA: CARACTERIZAÇÃO, GÊNESE E CONTRIBUIÇÕES PARA O ESTUDO DO CARSTE SILICICLÁSTICO</p>			
10:20 - 10:40	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>R. Balestieri</i></p> <p>REGISTRO E CARACTERIZAÇÃO DA PALEOTOCA "CAVERNA DO RIBEIRO" COMO POTENCIAL GEOSÍTIO DO PROJETO GEOPARQUE PRUDENTÓPOLIS - PR</p>			
10:40 - 11:00	Coffee break			
11:00 - 12:00				
12:00 - 14:00	Lunch			

CONGRESS DAILY SCHEDULE

MONDAY, JULY 21, 2025				
Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium
14:00 - 14:20		Cave Archaeology <i>J.Y. Bigot</i> INDICES OF HUMAN FREQUENTATION DEDUCED FROM SPELEOTHEMS, EXAMPLES FROM SE FRANCE	Legislation <i>B. Vogel, G. Veni, F. Didonna & J. Dreybrodt</i> UNITED NATIONS AND SPELEOLOGY	Subterranean Biology <i>E. Trajano, S. Secutti & R. Bessi</i> POPULATION ECOLOGY OF RHAMNIA ENFURNADA (SILURIFORMES: HEPTAPTERIDAE), TROGLOBITIC CATFISH FROM NORTHEAST BRAZIL
14:20 - 14:40		Cave Archaeology <i>J.Y. Bigot</i> AN ALTERNATIVE TO CERAMICS: THE UNDERGROUND WATER BASINS BUILT AND DUG	Legislation <i>S. Kempe, S. Bauer, F. Knolle & F. Vladi</i> KARST IN GYPSUM AND ANHYDRITE ROCKS OF GERMANY – THREATENED BY QUARRYING	Subterranean Biology <i>G.A.S. Vaz, M. Souza-Silva & R.L. Ferreira</i> TEMPORAL AND SPATIAL DYNAMICS OF A BRAZILIAN CAVE-RESTRICTED FRESHWATER SPONGE
14:40 - 15:00		Cave Archaeology <i>G.P. Azevedo, M.P.S. Miranda, M.T. Lima & F.A.K.A. Rahman</i> HISTORICAL ROCK RECORDS IN BRAZILIAN NATURAL CAVITIES: THE CASE OF TIGRE E CASCAVEL CAVE	Legislation <i>H. Steiner, G. Stein, B. Vogel, F. Knolle & A. Wolf</i> LOST CAVES OF GERMANY	Subterranean Biology <i>D.V. Alves, I.W.G. Carvalho, M.M.S. Costa, M.F.O. Martins, M.L.S. Souza, M.S. Silva & R.L. Ferreira</i> BENEATH OUR FEET: UNRAVELING THE ROLE OF SOIL IN SHAPING SUBTERRANEAN ANT DIVERSITY IN A NEOTROPICAL KARST
15:00 - 15:20		Cave Archaeology <i>J.C. Douglas & H.D. Love</i> INDIGENOUS EXPLORATION AT HELMS DEEP CAVE, TENNESSEE: LATE ARCHAIC RADIOCARBON DATES FROM RIVER CANE TORCHES	Legislation <i>P. Griffiths & C.L. Ramsey</i> KARST CONSERVATION IN COASTAL BRITISH COLUMBIA: PROGRESS AND SHORTCOMINGS	Subterranean Biology <i>M.L.S. Souza, D.V. Alves, I.W.G. Carvalho, M.F.O. Martins, M.S. Silva & R.L. Ferreira</i> BETWEEN HEAT AND SHADE: THE IMPACT OF CLIMATE AND SOIL TEMPERATURE ON ANTS SUBTERRANEAN BIODIVERSITY
15:20 - 15:40		Cave Archaeology <i>A. Frumkin</i> FORMATION OF THE DEAD SEA SCROLLS CAVES	Legislation <i>M. Pouye</i> KARST AND CAVE SUSTAINABLE MANAGEMENT IN SENEGAL	Subterranean Biology <i>F.C. Jordão, M. Souza-Silva & R.L. Ferreira</i> CAVE INVERTEBRATES SIMILARITY DRIVER BY MICROHABITATS ATTRIBUTES AND "LAJEADOS" DISTRIBUTION
15:40 - 16:00	Coffee break			
16:00 - 16:20		Cave Archaeology <i>A.T. Diniz & L.V. Silva</i> PINTURAS RUPESTRES NO CARSTE DO ALTO DO RIO SÃO FRANCISCO: POSSIBILIDADES DE PESQUISA	Legislation <i>I.P.M.R. Oliveira & V.U.S. Guardieiro</i> QUAIS CONDICIONANTES AMBIENTAIS ESPELEOLÓGICAS ESTÃO PREVISTAS NAS NORMATIVAS FEDERAIS?	Subterranean Biology <i>S. Moutaouakil & M. Ghamizi</i> ADVANCING MOROCCAN CAVE BIODIVERSITY KNOWLEDGE: NEW DISCOVERIES AND UPDATED TAXONOMIC RICHNESS
16:20 - 16:40		Meeting: Archaeology and Paleontology in Caves Commission	Legislation <i>M.C. Pereira</i> APARATO LEGAL AMBIENTAL NO BRASIL: EM QUE MEDIDA AS PAISAGENS CÁRSTICAS ESTÃO PROTEGIDAS?	Subterranean Biology <i>D. Alvarenga, M.P.A. Oliveira, M.B. Mescalotti, M. Merlo, G. Argolo, V.M. Martins, A.C.M. Viano & A. Barata</i> DO WE STILL NEED TO COLLECT CAVE SPECIES TO EVALUATE THE EFFECTS OF ENVIRONMENTAL PREDICTORS?
16:40 - 17:00	Legislation <i>A.C.A. Melo & I.P.M.R. Oliveira</i> IMPORTÂNCIA DA ATUAÇÃO DO GRUPO INTERDISCIPLINAR DE ESPELEOLOGIA DE MINAS GERAIS: ANÁLISE DE ATAS DE REUNIÃO NO PERÍODO DE 2018 A 2022		Subterranean Biology <i>L.D. Audino, E.L. Borges Filho, L.F.O. Bernardi, J.M. Neto, B.R.S. Silva, J.B. Timo, S.C. Santos & M.B. Timo</i> AUMENTO DA BIODIVERSIDADE DE INVERTEBRADOS APÓS A REMOÇÃO DE MATERIAL PARTICULADO EM CAVIDADES SUBTERRÂNEAS NATURAIS	
17:00 - 17:20	Legislation <i>R.G.F.A. Pereira, R. Parra, C.G.C. Purificação, L.L. Ferreira, T.C. Jesus & F.P. Santos</i> KARST TERRAINS IN CARBONATE ROCKS IN THE STATE OF BAHIA – BRAZIL: A REGIONAL APPROACH		Subterranean Biology <i>V.G.P. Junta, M. Souza-Silva & R.L. Ferreira</i> A DEPTH MATTER: DIVERGENT RESPONSES OF TROGLOBITE AND NON-TROGLOBITE FAUNA TO HABITAT TRAITS	
17:20 - 17:40	Legislation <i>G.A. Viana & Y.A. Lima</i> A PROTEÇÃO JURÍDICA DAS CAVERNAS E A CONSERVAÇÃO DO PATRIMÔNIO PALEONTOLÓGICO: DESAFIOS E PERSPECTIVAS		Subterranean Biology <i>A.H.S.R. Ferreira, M. Souza-Silva & R.L. Ferreira</i> INFLUENCE OF HABITAT HETEROGENEITY AND SAMPLING SCALE ON INVERTEBRATES CAVE FAUNA	
17:40 - 18:00	Legislation <i>R. Carreño & M. Ramos</i> ALUSIONES INDIRECTAS AL ENTORNO KÁRSTICO EN DOCUMENTOS CONSTITUCIONALES SURAMERICANOS		Subterranean Biology <i>P. Barranco, P. Castillo, Y. Rosal, C. Liñán, A. Fernández-Cortés, I. Balanzategui & A. Tinaut</i> ARTROPODOFAUNA DE LA CUEVA TURÍSTICA "CUEVA DE NERJA" (MÁLAGA, ESPAÑA)	
18:00 - 18:20				Subterranean Biology <i>S. Manchi, D. Kawalkar & S.K. Jena</i> INVERTEBRATE COMMUNITY IN THE BIRD (AVES) AND BAT (MAMMALIA) GUANO FROM THE LIMESTONE CAVES OF THE ANDAMAN ISLANDS, INDIA
18:20 - 19:00	Break			
19:00 - 20:00	Ceremony of the 60th UIS anniversary and book launch			
20:00 - 21:00	"60 Years of the UIS - 1965-2025, by author José Ayrton Labegalini			
21:00 - 22:00				
22:00 - 23:00				

CONGRESS DAILY SCHEDULE

MONDAY, JULY 21, 2025				
Time	PILO Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium
14:00 - 14:20	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>M. Fioraso, A. Riva, A.M.Dalla Valle, F. Narduzzi, P. Corsini, F. Gallo & C. Macedo</i></p> <p>SPELEOGENESIS IN QUATERNARY CLASTIC SEQUENCES ALONG THE ACTIVE FRONT OF SOUTH-EASTERN ALPS, A CASE STUDY FROM CASTEL SOTTERRA CAVE (VENETO, ITALY)</p>	SpeleMedia	<p>Special Topics</p> <p><i>M. Stephens, T.T. Major, S.L. Brown, J.Z. Andrejic, J.E.V. Davis & K. Welsh</i></p> <p>APPLICATION OF KARST DISTURBANCE AND SENSITIVITY INDICES AND IMPLICATIONS FOR GEOCONSERVATION ON NEW PROVIDENCE ISLAND, THE BAHAMAS</p>	
14:20 - 14:40	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>T. Racine, B. Tourte & N. Morata-Calvo</i></p> <p>EXPLORATION AND MAPPING OF GLACIER CAVES OF THE SOUTHERN PATAGONIAN ICE-SHEET</p>		<p>Special Topics</p> <p><i>I.M. Cruz-Melecio & Á.A. Acosta-Colón</i></p> <p>DETECTION OF MICROPLASTICS IN CUEVA TALLONAL AT ARECIBO, PUERTO RICO</p>	
14:40 - 15:00	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>J. Vojtisek, J. Bruthans & T. Weiss</i></p> <p>ORIGIN OF LOESS PIPES AND CAVES: OVERLOOKED EFFECT OF CONFINEMENT IN LOESS EROSION</p>		<p>Special Topics</p> <p><i>M.A. Pérez</i></p> <p>FROM VECTORS TO SPIRALS OF LIFE: CONNECTING THREE REMARKABLE SITES IN THE PUERTO RICAN KARST</p>	
15:00 - 15:20	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>R. Parra, R.G.F.A. Pereira, L.F. Vieira & R.P. Maia</i></p> <p>SILICICLASTIC CAVE OR DIAMOND MINE? THE CASE OF CANAL DA FUMAÇA, IGATU VILLAGE, CHAPADA DIAMANTINA - BAHIA, BRAZIL</p>		<p>Special Topics</p> <p><i>A. Lobo</i></p> <p>PERUAÇU 3D - UMA EXPERIÊNCIA VIRTUAL NAS CAVERNAS</p>	Casa Italia
15:20 - 15:40	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>M. Filippi & J. Bruthans</i></p> <p>ARCHED SHAPES IN GRANULARLY DISINTEGRATING ROCKS AND HOW TO MEASURE THEIR DEGREE OF WEATHERING?</p>		<p>Special Topics</p> <p><i>F. Didonna, V. Ferrer & F. Maurano</i></p> <p>EVOLUTION OF THE SPELEOMEDIT PROJECT</p>	
15:40 - 16:00	Coffee break			
16:00 - 16:20	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>T.G.R. Ribeiro & C.F. Stumpf</i></p> <p>A RARE CAVE DEVELOPED IN SILCRETE: INFERENCES FOR UNDERSTANDING SOIL SILICIFICATION.</p>	SpeleMedia	<p>Special Topics</p> <p><i>P.F.C. Sousa & M.N.M. Silva</i></p> <p>VERÃO A DIVERSIDADE: MULHERES NA ESPELEOLOGIA EM UM NOVO TEMPO</p>	
16:20 - 16:40	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>P.G.G. Rossi, L.C. Rocha, L.H.S. Vital, U. Passarelli & A.C.F. Ribeiro</i></p> <p>ANÁLISE DIMENSIONAL, MORFOLÓGICA E PAISAGÍSTICA DE CAVERNAS SILICIFÍCICAS NO SETOR NOROESTE DA SERRA DO LENHEIRO, SÃO JOÃO DEL REI-MG</p>		<p>Special Topics</p> <p><i>A.F. Rezende & L.A.C. Luzzi</i></p> <p>GEOPROCESSAMENTO APLICADO AO CONTROLE DE VIBRAÇÕES EM CAVIDADES LOCALIZADAS NO ENTORNO DE MINERAÇÕES À CÉU ABERTO</p>	
16:40 - 17:00	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>W. Margielewski, M. Marszalek, G. Rzepa, M. Schejbal-Chwastek & J. Urban</i></p> <p>MINERAL COMPOSITION OF NON-CARBONATE SPELEOTHEMS FROM NON-KARST CAVES OF THE POLISH OUTER CARPATHIANS</p>		<p>Special Topics</p> <p><i>A.H.F. Coelho, J.A. Moura, M.P.A. Oliveira & J. Moreira</i></p> <p>DA SUPERFÍCIE AO SUBTERRÂNEO: APLICAÇÃO DE MODELAGEM DIGITAL PARA DEFINIR BACIAS HIDROLÓGICAS DE CAVERNAS</p>	
17:00 - 17:20	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>S.H. Riffel, I.M. Cunha, A.C. Costa, F. Braido, P.H.V. Silva, F. Bonfá, M.O. Neto & R. Hardt</i></p> <p>MULTICRITERIA ANALYSIS FOR THE INVESTIGATION OF ARENITIC CAVITIES: INSIGHTS FROM SERRA DE ITAQUERI, SÃO PAULO, BRAZIL</p>		<p>Special Topics</p> <p><i>M.R. Rafida & E. Saputra</i></p> <p>EXPLORING SUICIDE PATTERN IN THE KARST ENVIRONMENT OF GUNUNGSEWU INDONESIA</p>	Casa Italia
17:20 - 17:40	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>V. Perondi, L.P. Fragomeni, J. Soares, C. Voltolini, I. Voltolini, M.M. Guimarães, M.P.A. Oliveira & R. Soares</i></p> <p>NA BRECHA APERTA: IDENTIFICANDO A AÇÃO DA ÁGUA NAS CAVERNAS BASAIS</p>		<p>Special Topics</p> <p><i>S. Bauer & M. Filippini</i></p> <p>THE IMPORTANCE OF HARMONIZED TERMINOLOGY FOR THE PROTECTION OF CAVES AND KARST LANDSCAPES</p>	
17:40 - 18:00	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>F. Trus & C.S. Kinoshita</i></p> <p>VALINHOS GRANITIC PSEUDOKARST: 20 YEARS OF RESEARCH</p>		<p>Special Topics</p> <p><i>W. Araújo, R. Araújo & E. Oliveira</i></p> <p>INTEGRAÇÃO DE INTELIGÊNCIA ARTIFICIAL NO ESPELEOVAL - UM SISTEMA SAAS PARA ANÁLISE DE DADOS ESPELEOLÓGICOS</p>	
18:00 - 18:20	<p>Pseudokarst and Non-Traditional Karst</p> <p><i>C. Mouret</i></p> <p>KARREN AND CAVES IN GRANITE ISLANDS OF SEYCHELLES</p>		<p>Special Topics</p> <p><i>A. Assunção, F. Oliveira, G. Melo, N. Oliveira, G.P. Perroni, E. Oliveira, M. Normitta & A. Souza</i></p> <p>SOFTWARE PARA GERENCIAMENTO DE DADOS ESPELEOLÓGICOS: ESTUDO DE CASO DE DUAS CAVIDADES DE MÁXIMA RELEVÂNCIA</p>	
18:20 - 19:00	Break			
19:00 - 20:00				
20:00 - 21:00				
21:00 - 22:00				
22:00 - 23:00				

CONGRESS DAILY SCHEDULE

TUESDAY, JULY 22, 2025				
Date	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium
Time				
08:00 - 08:20		History of Speleology, Arts and Letters <i>L.E. Faria</i> CONTRIBUTIONS TO THE BIOGRAPHY OF SPELEOLOGIST JEAN-LOUIS CHRISTINAT	Karst Hydrogeology and Speleogenesis <i>C. Mouret</i> MAN-DUG WATER WELLS INTERSECTING CAVES, A STATISTICAL APPROACH	Subterranean Biology <i>J.C. Vargas-Mena, P.E.D. Bobrowiec, L.C. Trevelin, T.C.M. Benathar, G. Appel, X. Prous, M.S.R. Pereira & V.C. Tavares</i> THE REPRODUCTION PHENOLOGY OF THE TOMESS SWORD-NOSED BAT LONCHORHINA AURITA (CHIROPTERA: PHYLLOSTOMIDAE) IN IRON-ORE CAVES IN THE SERRA DOS CARAJÁS IN EASTERN AMAZONIA
08:20 - 08:40		History of Speleology, Arts and Letters <i>A.L. UC & F.T. Pool</i> REFLEXIONES SOBRE LAS MUJERES EN LA HISTORIA DE LA ESPELEOLOGÍA: TRAYECTORIA Y PROTAGONISMO EN EL GRUPO AJAU (YUCATÁN, MÉXICO)	Karst Hydrogeology and Speleogenesis <i>G.M.L. Ponta</i> KARST HYDROLOGY FRAMEWORK WITH TIME SERIES MONITORING WITHIN FERN CAVE AREA	Subterranean Biology <i>C.C. Nobre, V.C.A.S. Alves, L.M.S.M. Dornellas, A.S. Auler, P.G. Silva</i> MONITORING OF THE ANOURA GEOFFROYI (CHIROPTERA: PHYLLOSTOMIDAE) BAT COLONY IN THE TICO-TICO MINE, MINAS GERAIS, BRAZIL
08:40 - 09:00		History of Speleology, Arts and Letters <i>A.S. Engel</i> LAVA TUBE DISCOVERIES IN HAWAII MADE BY CIVIL DEFENSE FOR THE NUCLEAR FALLOUT SHELTER PROGRAM	Karst Hydrogeology and Speleogenesis <i>J. Gunn</i> PROJECT MIKAS (MOST IMPORTANT KARST AQUIFERS SPRINGS): PROGRESS AND REQUEST FOR INFORMATION	Subterranean Biology <i>L.M. Moras, B.D. Natividade, G. Appel, L.C. Trevelin, T.C.M. Benathar & V.C. Tavares</i> A COMPREHENSIVE GUIDE TO IDENTIFYING CAVE-DWELLING NECTARIVOROUS BATS FROM BRAZIL
09:00 - 09:20		History of Speleology, Arts and Letters <i>X. Georgopoulou</i> THE CAVES OF THE GREEK REVOLUTION WITHIN AND WITHOUT THE THEATRE	Karst Hydrogeology and Speleogenesis <i>G.M.L. Ponta</i> DYE STUDIES TO DELINEATE THE RECHARGE AREA OF THAM LUANG-KHUN NAM NANG NON KARST AQUIFER, THAILAND	Subterranean Biology <i>M.P.A. Oliveira, H. Marques, N. Curi, D. Alvarenga, M. Pedrosa, T. Pietrobon & A. Barata</i> MARCADOS PELO SINAL: COMO PIT TAGS DESVENDAM A MOVIMENTAÇÃO DE MORCEGOS EM PAISAGENS MINERADAS
09:20 - 09:40		History of Speleology, Arts and Letters <i>F. Knolle, S. Kempe & F. Reinboth</i> STILLWATER FACETS, 200 YEARS OF RESEARCH - A SHORT HISTORY	Karst Hydrogeology and Speleogenesis <i>L.V. Risteski, P. Kambesis & J. Borden</i> PRELIMINARY INVESTIGATION ON STREAM FLOW VARIATIONS IN THE BLACK RIVER COMPLEX, ROPPEL SECTION OF THE MAMMOTH CAVE SYSTEM	Subterranean Biology <i>V.M. Martins, T.G. Pellegrini, M.P.A. Oliveira, B. Goulart, M. Pedrosa, D. Alvarenga, M. Silva & A. Barata</i> LANDSCAPE INFLUENCE ON CAROLLIA PERSPICILLATA MORPHOLOGICAL TRAITS: FUNCTIONAL ADAPTATIONS TO ANTHROPOGENIC DISTURBANCES
09:40 - 10:00		History of Speleology, Arts and Letters <i>J.C. Cabrera</i> USO DE LAS CUEVAS EN PUERTO RICO	Karst Hydrogeology and Speleogenesis <i>M. Nagl & L. Plan</i> QUANTIFICATION OF SOLID AND DISSOLVED LOAD FROM THE MASS BALANCE OF A LARGE KARST SPRING - PRELIMINARY RESULTS (KLÄFFER SPRING, EASTERN ALPS)	Subterranean Biology <i>D.F. Torres, G.L. Urbietta, M.E. Bichuette & V.C. Tavares</i> DO YOU REALLY KNOW WHAT A BAT/HOT CAVE IS? CONSIDERATIONS ON DEFINITIONS AND PROPOSAL OF GUIDELINES FOR IDENTIFICATION
10:00 - 10:20		History of Speleology, Arts and Letters <i>R.B. Santos</i> ESPELEOARTE : A FUSÃO ENTRE ARTE E ESPELEOLOGIA RESULTADOS 2023 E PERSPECTIVAS FUTURAS	Karst Hydrogeology and Speleogenesis <i>T.G. Pellegrini, M.P.A. Oliveira, A.H.F. Coelho, J.A. Moura, D.R. Carvalho & P.S. Pompeu</i> ENTRE CASAS E FLORESTAS: COMO O USO DO SOLO ALTERA A INTEGRIDADE DO RIACHO QUE ACESSA A LAPA DO GROTO	Subterranean Biology <i>G. Vidolin, E. Rossener, M.S. Marrelli, K.M. Mise & G.C. Sessegolo</i> MORCEGOS CAVERNÍCOLAS DO OESTE DA BAHIA, NORDESTE DO BRASIL
10:20 - 10:40		History of Speleology, Arts and Letters <i>L.A.V. Figueiredo</i> CAVES AND UNDERGROUND WORLD IN LITERATURE AND CINEMA BASED ON CLASSICAL WORKS: KARST LANDSCAPE AND CULTURAL SPELEOLOGY	Karst Hydrogeology and Speleogenesis <i>A.E.M. Cândido, P.H. Assunção, G.L.C. Oliveira, P.E.S. Lima, T.V. Bastos, L.P.N. Selos, M.T. Lima & L.P. Leão</i> SISTEMA HÍDRICO DE CAVERNAS EM QUARTZITO NA SERRA DE IBITIPOCA, MINAS GERAIS, BRASIL	Subterranean Biology <i>I.M. Martins, M.C.M. Andrade, C.H.R. Vasconcelos, P.C. Eterovick, P.E.C. Peixoto & C.C. Figueiredo</i> SUBTERRANEAN MENU: DIET OF BOKERMANNOHYLA MARTINSI TADPOLES (ANURA: HYLIDAE) WITHIN QUARTZITIC CAVES
10:40 - 11:00	Coffee break			
11:00 - 12:00	Keynote Lecture Stefano Mammola - Global Conservation of Subterranean Biodiversity			
12:00 - 13:00	Lunch			

CONGRESS DAILY SCHEDULE

Date		TUESDAY, JULY 22, 2025			
Time	PILÓ Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium	
08:00 - 08:20	Cave Rescue <i>G. Hegedűs</i> CAVE RESCUERS EDUCATION IN HUNGARY	Symposium on Caves in Ferruginous Rocks			
08:20 - 08:40	Cave Rescue <i>M.E.S. Abrantes</i> ANÁLISE DE ACIDENTE POR MATRIZ DE RISCO E NÍVEL DE POTENCIALIDADE PARA ATIVIDADES EM CAVERNA		Cave and Karst Tourism <i>A.K. Celis, C. Groves, L.A. Bledsoe, P. Kambesis & R. Toomey</i> U.S.A-MEXICO EXCHANGE ON CAVE AND KARST SCIENCE AND MANAGEMENT		
08:40 - 09:00	Cave Rescue <i>G. Hegedűs</i> THE RESULT OF 60 YEARS OF HUNGARIAN CAVE RESCUE		Cave and Karst Tourism <i>L. Jorda-Bordehore, A. Benrabah, M.R. Barbosa, I.V. Brandi, A. Barata & E. Oliveira</i> PRELIMINARY GEOMECHANICAL AND STABILITY ASSESSMENT IN IRON SHOW CAVES COMBINING DIFFERENT APPROACHES, CARAJÁS, BRAZIL		
09:00 - 09:20	Cave Rescue <i>V. Akimov</i> THE ISSUE OF CAVE RESCUE IN THE RUSSIAN FEDERATION		Cave and Karst Tourism <i>I.S. Liso, S. Bertelmann, A. Marassich & M. Parise</i> GROTTE DELLA POESIA KARST SYSTEM		
09:20 - 09:40	Cave Rescue <i>M. Staut & B. Vidic</i> DEVELOPMENT OF HEAD PROTECTION COMPATIBLE WITH PETZL NEST STRETCHERS		Cave and Karst Tourism <i>M.T.D. Parra, C.S. Kinoshita, G.F. Costa, J.V. Silva, L.B.M. Rodrigues, A.A. Gimenes, G.V. Costa & P.H.C. Maniuis</i> GGEO - PETAR CABOCLOS PROJECT		
09:40 - 10:00	Meeting: Cave Rescue Commission		Cave and Karst Tourism <i>R.F. Scalco, V.E.S. Melo, H.R. Araújo, S.N. Fonseca & J.J. Alcantara</i> POTENCIAL TURÍSTICO DO PATRIMÔNIO ESPELEOLÓGICO DO PARQUE NACIONAL DAS SEMPRE-VIVAS E DO PARQUE ESTADUAL DA SERRA DO CABRAL		
10:00 - 10:20			Cave and Karst Tourism <i>G.B. Soares, P.L.T. Camargo, M.S. Campello & J.N. Magno</i> ESTRATÉGIAS PARA O TURISMO SUSTENTÁVEL: MAPAS DE ZONEAMENTO ESPELEOLÓGICO EM PAINS, MG		
10:20 - 10:40		Cave and Karst Tourism <i>D. Cruz & N. Uasapud</i> PROPOSAL FOR TOURISM MANAGEMENT BASED ON THE CALCULATION OF CAVE'S SENSITIVITY IN THE ORIENTE ANTIOQUEÑO KARST, COLOMBIA			
10:40 - 11:00	Coffee break				
11:00 - 12:00					
12:00 - 13:00	Lunch				

CONGRESS DAILY SCHEDULE

Date	TUESDAY, JULY 22, 2025				
Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium	
13:00 - 14:00	Poster presentations				
14:00 - 14:20	Symposium on Karst Geology	History of Speleology, Arts and Letters <i>B. Chiroi</i> FOR A HISTORY OF THE GHOSTROCK CONCEPT (FANTOMISATION)	Karst Hydrogeology and Speleogenesis <i>V. Chiarini, J. De Waele & P. Forti</i> GYPSUM KARST: A TRUE CO2 SINK	Subterranean Biology <i>M.C.M. Andrade, I.M. Martins, T.C. Silva & P.C. Eterovick</i> ADAPTABILITY AND SUBTERRANEAN PLASTICITY OF BOKERMANNOHYLA MARTINSI (ANURA: HYLIDAE)	
14:20 - 14:40		History of Speleology, Arts and Letters <i>B. Chiroi</i> TO WHAT EXTENT COULD SPELEOLOGY BECOME INTANGIBLE HERITAGE FOR HUMANITY WITH UNESCO ?	Karst Hydrogeology and Speleogenesis <i>D. Garasic</i> NEWLY DISCOVERED CAVES UNDER ZADAR AIRPORT	Subterranean Biology <i>A.F. Nogueira, L.C. Trevelin, X. Prous & S.S. Vasconcelos Junior</i> PHYLOGEOGRAPHY OF TWO CAVE-DWELLING WHIP SPIDERS OF THE CARAJAS REGION	
14:40 - 15:00		History of Speleology, Arts and Letters <i>S. Eynard, T.M.F. M. Aragão & L.E. Faria</i> SÔNIA MACEDO DE OLIVEIRA-PIONEIRISMO FEMININO NA ESPELEOLOGIA	Karst Hydrogeology and Speleogenesis <i>A.P.B. Tanaka, C. Trunz, M. Trotzet, T. Racine & P. Renard</i> LINKING FRACTURE AND CONDUIT ORIENTATIONS IN THE LAPIAZ OF TSANFLEURON, SWISS ALPS	Subterranean Biology <i>P.E. Souza & R.L. Ferreira</i> CAVE SCORPIONS: BETWEEN ADAPTATION AND THE PERSISTENCE OF CIRCADIAN RHYTHMS	
15:00 - 15:20		History of Speleology, Arts and Letters <i>Z.A.V. Figueiredo, L.A.V. Figueiredo, R.A. Zampaulo, F.S. Ferreira, R.R. Oliveira, J.F. Souza, R. Souza & F.C. Bergamo</i> ESPELEOLOGIA E ATIVISMO SOCIOAMBIENTAL: 40 ANOS DO GRUPO DE ESTUDOS AMBIENTAIS DA SERRA DO MAR (GESMAR) ENTRE A CIÊNCIA E A AVENTURA	Karst Hydrogeology and Speleogenesis <i>M. Audy, J. Bruthans, J. Mareš, R. Bouda & V. Bandik</i> HYPOGENE CAVES ATMOS AND SULFUR AND THE LARGEST UNDERGROUND THERMAL LAKE IN THE WORLD	Subterranean Biology <i>R.P. Brito, P.E. Souza, R.L. Ferreira & M. Sousa-Silva</i> BEHAVIORS IN LIGHT AND DARKNESS: A REVIEW OF AMBLYPYGID BEHAVIOR IN CAVES AND SURFACE HABITATS	
15:20 - 15:40		History of Speleology, Arts and Letters <i>D.B. Sangtos & E.P. Barbosa</i> ASPECTOS HISTÓRICOS, SOCIAIS MÍTICOS E FOLCLÓRICOS SOBRE ROMARIAS EM CAVERNAS NA BAHIA	Karst Hydrogeology and Speleogenesis <i>S.W. Jones</i> THOUGHTS ABOUT DISPERSION IN KARST - A BIT TOO LATE	Subterranean Biology <i>T.C. Silva, M.C.M. Andrade, I.M. Martins & I.B. Campos</i> PADRÕES ACÚSTICOS SAZONAIS DA GRUTA DO PALMITO (MG) E SEU ENTORNO	
15:40 - 16:00		Coffee break			
16:00 - 16:20	Symposium on Karst Geology	History of Speleology, Arts and Letters <i>F. Lindenmayr</i> DOWN THE CRATER – A SHORT HISTORY OF VERTICAL VOLCANO ANTHROPOSPELEOLOGY	Cave Paleontology <i>H.K. Abdulzahra, W.A. Alhalabi, D. Sedorko, J. Manfroi, I.B. Joude & M.C. Langer</i> PRELIMINARY INSIGHTS INTO FOSSIL FINDINGS AT AL-HAMMAN WELL SINKHOLE IN NINEVEH, IRAQ	Subterranean Biology <i>R.C. Cardoso & R.L. Ferreira</i> SPECIES TURNOVER OF BRYOPHYTES DRIVEN BY RARE SPECIES AND GEOMORPHOLOGY IN NEOTROPICAL SILICICLASTIC CAVES	
16:20 - 16:40		Meeting: History of Speleology Comission	Cave Paleontology <i>S.I.V. Méndez, J.V. Juarbe & A.A. Colon</i> EXPANDING THE PALEONTOLOGICAL RECORD IN THE CABACHUELAS NATURE RESERVE, MOROVIS, PUERTO RICO	Subterranean Biology <i>M.O. Lima, M. Molina, R.R.M. Oliveira, B.M. Silva, X. Prous & S. Vasconcelos</i> A LIGHT IN THE DARK: THE FIRST MITOCHONDRIAL GENOME DESCRIPTION OF PYREARINUS PUMILUS	
16:40 - 17:00			Cave Paleontology <i>I.M. Oliveira, L.V. Santos, L.E.P. Travassos, A.G. Vasconcelos & L. Alves-Silva</i> REASSESSMENT OF TRIGODONOPS LOPESI ROXO, 1921 BASED ON IDENTIFICATION AND DENTAL ANALYSIS OF TOXODONTINAE MATERIAL FROM CAVES IN BRAZIL	Subterranean Biology <i>P.C. Reis-Venâncio, R.L. Ferreira, D.M. Bento, M.H. Simões & M. Souza-Silva</i> HIDDEN FROM OUT SIGHT BUT NEEDING PROTECTION: THE CONSERVATION CHALLENGES OF BRAZILIAN OBLIGATE CAVE INVERTEBRATES	
17:00 - 17:20			Cave Paleontology <i>T. Oliveira, J.P. Costa & M.A.T. Dantas</i> MESO-MEGAMAMMALS FROM THE LATE PLEISTOCENE OF TOCA FRIA CAVE, JUIÚ, BAHIA, BRAZIL	Subterranean Biology <i>L. Cresi, A. Senese, A. Bellvert, M. Isaia, G. Nicolosi, E. Plano & S. Mammola</i> SYSTEMATIC CONSERVATION PLANNING OF SUBTERRANEAN HABITATS: APPROACHES AND KEY CHALLENGES	
17:20 - 17:40			Cave Paleontology <i>M. Pappas, M. Hoqui & S. Sicilia</i> STUDIES IN THE CUCHILLO CURÁ SYSTEM CAVES: NEW PALEONTOLOGICAL AND GEOLOGICAL INTERPRETATIONS	Subterranean Biology <i>S. Zaenker, C. Zaenker, B. Vogel, F. Knolle & A. Wolf</i> INTEGRATION AND VISIBILITY OF BIOSPELEOLOGY - CAVELIFE APP AND BIOSPELEOLOGICAL REGISTER	
17:40 - 18:00			Cave Paleontology <i>M.A.T. Dantas & T. Oliveira</i> LATE PLEISTOCENE GIANT SLOTHS FROM BRAZILIAN INTERTROPICAL REGION: ADAPTATION TO AQUATIC LIFESTYLE?	Subterranean Biology <i>D. Kawalkar & S. Manchi</i> AVES IN CAVES: A COMPREHENSIVE REVIEW	
18:00 - 18:20				Subterranean Biology <i>P.H.F. Oliveira, T. Carvalho, J. Prazeres, A. Antunes, C. Ferreira, L.S. Miranda, R.S. Mamoli & J.D.P. Bezerra</i> HOW MANY FUNGI CAN YOU FIT IN A CAVE? ABUNDANCE AND RICHNESS IN A BRAZILIAN CERRADO CAVE	
18:20 - 19:00			Break		
19:00 - 20:00	Michel Le Bret Awards Cerimony				
20:00 - 21:00	Michel Le Bret Awards Party (Caves of Peruçu Room - 3th floor)				
21:00 - 22:00					
22:00 - 23:00					
23:00 - 00:00					

CONGRESS DAILY SCHEDULE

TUESDAY, JULY 22, 2025					
Date	PILÓ Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium	
13:00 - 14:00	Poster presentations				
14:00 - 14:20	Environmental Education <i>D.J. Santos, M. Gomes, U.A. Ruchkys & L.E.P. Travassos</i> CAVES IN CONSERVATION UNITS: SURVEYING SITES FOR GEODIVERSITY EDUCATION AND INTERPRETATION	SpeleMedia	Cave and Karst Tourism <i>N. Uasapud, M. Weber & A. Calux</i> ADJUSTED CAVE CARRYING CAPACITY FOR CAVE MANAGING: AN EXAMPLE FROM COLOMBIA	<i>Meeting: Pseudokarst Commission</i>	
14:20 - 14:40	Environmental Education <i>F. Nader & J. Tawk</i> LISTING SOME OUTSTANDING KARSTIC FEATURES OF LEBANON: A MULTI-DISCIPLINARY APPROACH		Cave and Karst Tourism <i>G. Redonte, S.A. Sicilia, M. Paparas, C. Gioia, H.A. Iuri & L. Zungri</i> ESTUDIOS PARA CONSERVAR EL SISTEMA CAVERNARIO CUCHILLO CURÁ, NEUQUEN, ARGENTINA		
14:40 - 15:00	Environmental Education <i>L. Shen, J. Tuo, Z. Jiang & T. Li</i> DEVELOPMENT STRATEGIES FOR STUDY TOURISM IN THE GUANYAN KARST UNDERGROUND RIVER BASIN		Cave Mineralogy and Sediments <i>P. Forti</i> NEW FRONTIERS IN SPELEOTHEMS STUDIES		
15:00 - 15:20	Environmental Education <i>I.B. Jaoude & F. Fayad</i> DOCUMENTATION FOR PROTECTION - THE DEEP23 EXAMPLE		Cave Mineralogy and Sediments <i>T. Faulkner</i> MORE EXOTIC TUFFA DEPOSITS ON THE ISLAND OF LISMORE, ARGYLL, SCOTLAND		Casa Italia
15:20 - 15:40	Environmental Education <i>A. Benrabah, L. Jordá-Bardehag, A. Malabeh, I.V. Brandi & M.R. Barbosa</i> APPLICATION OF THE CGI APPROACH TO ASSESS THE STABILITY OF NATURAL CAVES		Cave Mineralogy and Sediments <i>B. Otonicar & A. Kosir</i> PALEOKARST CAVE BRECCIA (ISTRIA, NW CROATIA)		
15:40 - 16:00	Coffee break				
16:00 - 16:20	Environmental Education <i>X. Georgopoulou & G. Lazaridis</i> "FIELD-WORK METHODS IN SPELEOLOGY": AN EDUCATIONAL PROGRAM THROUGH THE EYES OF A PARTICIPANT	SpeleMedia	Cave Mineralogy and Sediments <i>F. Gázquez, L. Martegani, A. Fernández-Cortés, I. Martín-Lerma, D. Román & J.M. Calaforra</i> FIRST INSIGHTS INTO THE GEOMORPHOLOGY, MINERALOGY AND MICROCLIMATE OF CUEVA GRANDE DEL ARCO (CIEZA, REGION OF MURCIA, SE SPAIN)	Casa Italia	
16:20 - 16:40	Environmental Education <i>N.Z. Hajna</i> THE GLOBAL IMPORTANCE OF CAVES AND KARST: UIS INITIATIVE FOR PROCLAMATION OF INTERNATIONAL DAY		Cave Mineralogy and Sediments <i>Y. Galliano, C. Carbone, F. Bellatreccia & J. De Woele</i> THE TARANAKITE - FRANCOANELLITE DEHYDRATION REACTION: NEW DATA AND POSSIBLE IMPLICATIONS FOR MINEROGENETIC PROCESSES IN CAVE ENVIRONMENTS		
16:40 - 17:00	Environmental Education <i>B.B. Groppo, P.H.V. Silva, R.C.S. Coelho, R. Dell Antônia & F. Braido</i> EDUCAÇÃO AMBIENTAL EM CAVERNAS NÃO VISITÁVEIS, ESTUDO DE CASO NA GRUTA DOS ANÕES - SÃO PEDRO (SP)		Cave Mineralogy and Sediments <i>B.P. Onac</i> EXPANDING THE CAVE MINERAL DATABASE: 53 NEW ADDITIONS		
17:00 - 17:20	Environmental Education <i>A.V. Nieves</i> CIUDADANOS DEL KARSO : 30 YEARS ADVANCING RESEARCH, EDUCATION, AND CONSERVATION OF THE NATURAL SYSTEMS OF PUERTO RICO		Cave Mineralogy and Sediments <i>B.P. Onac, A. Feurdean, S. Hutchinson, F. Forray, A. Demjén & I.N. Meleg</i> HOLOCENE ENVIRONMENTAL SHIFTS IN EAST-CENTRAL EUROPE: A ROMANIAN CAVE SEDIMENT RECORD		
17:20 - 17:40	Environmental Education <i>L.A.V. Figueiredo</i> THE EXPERIENCE OF THE INTRODUCTION TO SPELEOLOGY CLASS DURING THE PIONEER COURSE OF SPECIALIZATION IN SPELEOLOGICAL HERITAGE IN BRAZIL		Cave Mineralogy and Sediments <i>F.S. Meirelles, E.D. Nunes & R.S. Momoli</i> TEXTURA DOS SOLOS E SEDIMENTOS DAS CAVERNAS DO LEGADO VERDES DO CERRADO, GOIÁS		
17:40 - 18:00	Environmental Education <i>M.C. Figueiredo, L.A.V. Figueiredo & A.A. Silva-Junior</i> GRUPTA-ESPELEOGAME®: UM ROLE PLAYING GAME (RPG) EDUCATIVO E RECREATIVO PARA POPULARIZAÇÃO DA ESPELEOLOGIA		Cave Mineralogy and Sediments <i>M.V.C. Miranda, D.H. Oliveira, E.N.M. Barbosa, E.J.S. Pereira & E.K.T. Soares</i> ANÁLISE DE MATERIAL PARTICULADO E RECUPERAÇÃO DE CAVIDADES NATURAIS: SOLUÇÕES PARA PRESERVAÇÃO DE ECOSISTEMAS SUBTERRÂNEOS		
18:00 - 18:20	Environmental Education <i>C.E. Gioia</i> AMBIENTE Y ESPELEOLOGÍA EN TIEMPOS DE CRISIS CIVILIZATORIA				
18:20 - 19:00					
19:00 - 20:00					
20:00 - 21:00					
22:00 - 23:00					
23:00 - 00:00					

CONGRESS DAILY SCHEDULE

Date	THURSDAY, JULY 24, 2025			
Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium
08:00 - 08:20			<p>Karst Hydrogeology and Speleogenesis <i>M. Audy, A. Benassi, T. Delic, J. De Waele, J.F. Flot, E. Hamzaraj, A. Marrafa & S.M. Sarbu</i></p> <p>SULPHURIC ACID CAVES OF ALBANIA: STATE OF THE ART</p>	<p>Subterranean Biology <i>T. Sato, P. Grandsire, B. Kraemer, B. Lima, M. Almeida, L. Barbosa, M. Xavier & E. Gottschalk</i></p> <p>ANALYSIS OF BIOSPELEOLOGICAL METHODS AND STUDIES IN INVENTORIES FOR ENVIRONMENTAL LICENSING IN BRAZIL</p>
08:20 - 08:40			<p>Karst Hydrogeology and Speleogenesis <i>B. Langford, A. Frumkin & A. Vaks</i></p> <p>FROM HYPOGENIC TO BIOGENIC SPELEOGENESIS IN SEMI-ARID CLIMATE: BAT GUANO-DRIVEN CARBONATE WEATHERING AND CAVE MODIFICATION IN CHARITON CAVE, ISRAEL</p>	<p>Subterranean Biology <i>M.S.M. Cruz, M.O. Carrasco, A.A. Galván, B.E.M. Recamier, J.G. Palacios Vargas</i></p> <p>ARTHROPODS DIVERSITY FROM MEXICAN GUERRERO STATE CAVES</p>
08:40 - 09:00			<p>Karst Hydrogeology and Speleogenesis <i>N. Rispal, P. Audra, L. Mocochain, M. Jagercikova, P. Henry & F. Demory</i></p> <p>UNDERSTANDING THE SEDIMENTARY DYNAMICS OF ALPINE CAVES : THE EXAMPLE OF THE DÉVOLUY MASSIF (FRANCE)</p>	<p>Subterranean Biology <i>F. Didonna, B. Vogel, F. Knolle & S. Zaenker</i></p> <p>GLOBAL EVOLUTION OF CAVE ANIMAL OF THE YEAR CAMPAIGNS</p>
09:00 - 09:20			<p>Karst Hydrogeology and Speleogenesis <i>L. Plan, R. Seebacher & V. Koukal</i></p> <p>THE CAVE IN THE CAVE - A 700 M LONG TUBE IN CONSOLIDATED CAVE SEDIMENTS (DACHSTEIN, AUSTRIA)</p>	
09:20 - 09:40			<p>Karst Hydrogeology and Speleogenesis <i>R. Hernandez-Vergara, M. Covington & A. Verde</i></p> <p>GEOLOGICAL AND STRUCTURAL CONFIGURATION OF CHEVE CAVE, OAXACA, MEXICO</p>	
09:40 - 10:00			<p>Karst Hydrogeology and Speleogenesis <i>S. Cooper-Frumkin, I.J. Reznik & A. Frumkin</i></p> <p>CH₄ AS THE CARBON SOURCE OF THE BIOLOGICAL ECOYSTEM IN THE AYYALON CAVE SYSTEM</p>	
10:00 - 10:20			<p>Karst Hydrogeology and Speleogenesis <i>W.T. Yoshizumi, B.F. Durão, P.H. Assunção, L.P.S. Godinho, T. Marques, P. Galvão, G. Lourenço & R. Paula</i></p> <p>HOW INDIRECT HYDROGEOLOGICAL METHODS CAN HELP IN THE EVALUATION OF SPELEOLOGICAL POTENTIAL</p>	
10:20 - 10:40			<p>Karst Hydrogeology and Speleogenesis <i>A. Tyc, K. Gaidzik & M. Benavente</i></p> <p>HYPOGENE KARST IN HYDROTHERMAL TRAVERTINES AND HIGH MOUNTAIN GYPSUM KARST IN THE HUAMBO AREA, CENTRAL ANDES OF PERU</p>	
10:40 - 11:00	Coffee break			
11:00 - 12:00	<p>Keynote Lecture Hazel Barton - Cave Microbes: How caves are going to save us all</p>			
12:00 - 13:00	Lunch			

CONGRESS DAILY SCHEDULE

Date	THURSDAY, JULY 24, 2025			
Time	PILÓ Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium
08:00 - 08:20	<p>Cave Exploration <i>P. Jeutter & T. Racine</i></p> <p>EXPEDITION TO NEW HYPOGENIC CAVES IN NORTHERN NAMIBIA</p>	SpeleMidia	<p>Karst Geomorphology <i>R.P. Maia, C.C.S. Mota, P.E.F. Moura, A.S.V. Souza, D.M. Bento & J.B. Cruz</i></p> <p>DIGITAL MODELS OF CAVES FOR EXPLORATION IN VIRTUAL REALITY</p>	
08:20 - 08:40	<p>Cave Exploration <i>C. Honiat, T. Racine, R. Maire, N. Morata-Calvo, A. Honiat, B. Tourte & Centre Terre</i></p> <p>ULTIMA PATAGONIA 2023, AN OUTSIZED EXPEDITION</p>		<p>Karst Geomorphology <i>A.S.V. Souza, R.P. Maia, A. Marco, J. De Waele, P.E.F. Moura, L.B. Vincenzo, A.S. Auler, R.V. Santos</i></p> <p>CUPOLAS ASSOCIATED WITH COLUMNAR STROMATOLITES IN THE VAZANTE GROUP, MG - BRAZIL: CHARACTERIZATION FROM 3D HIGH-RESOLUTION MODELS</p>	
08:40 - 09:00	<p>Cave Exploration <i>A. Honiat, C. Théophile, C. Honiat, K. Martin, M. Florent, U. Benoit & M. Arnaud</i></p> <p>EXPLORING THE VANOISE KARST: MARBLE CAVES BENEATH ACTIVE GLACIERS</p>		<p>Karst Geomorphology <i>R. Semeraro, R. Corazzi & L. Torelli</i></p> <p>GEOLOGY, GEOMORPHOLOGY AND HYDROGEOLOGY OF THE "DAVORJEVO BREZNO" CAVE, CLASSICAL KARST</p>	
09:00 - 09:20	<p>Cave Exploration <i>E. Haryono</i></p> <p>TYPICAL OF CARBONATE ISLAND CAVE IN STRIKE-SLIP FAULT SETTING: EXPLORED FROM MARATUA ISLAND, INDONESIA</p>		<p>Karst Geomorphology <i>P. Assunção, R. Magno, C. Schuch, L.P.S. Godinho, G. Ribas, B. Aguiar, R. Paula & P. Galvão</i></p> <p>RECHARGE LANDFORMS IN A SUBJACENT KARST AQUIFER IN SETE LAGOAS, MINAS GERAIS, BRAZIL</p>	Meeting: Subterranean Biology Commission
09:20 - 09:40	<p>Cave Diving <i>R. Luís, P. Arriegas, P. Rodrigues, A. Ribeiro, T. Grosso & N. Sousa</i></p> <p>UNDERWATER EXPLORATIONS ON ALMONDA CAVE, PORTUGAL - NEW ACHIEVEMENTS</p>		<p>Karst Geomorphology <i>A. Tyc, K. Gaidzik, F. Šarc, D. Banja, K. Rzadkowski & B. Otonicar</i></p> <p>MORPHOSTRUCTURAL CHARACTERISTICS OF THE PREALPINE (ISOLATED) KARST: EVIDENCE FROM THE ROVTE REGION, CENTRAL SLOVENIA</p>	
09:40 - 10:00	<p>Topography, Mapping, 3D Scanning, and Documentation <i>Z. Motycka, M. Filippi & Z.Y. Hai</i></p> <p>RECENT SPELEOLOGICAL EXPLORATION IN XIAONANHAI KARST AREA, SHAANXI PROVINCE, CHINA</p>		<p>Karst Geomorphology <i>I.S. Liso & M. Parise</i></p> <p>PREDISPOSING FACTORS AND EVOLUTION STAGES OF SINKHOLES IN COASTAL AREAS</p>	
10:00 - 10:20		<p>Karst Geomorphology <i>V. Chiarini, F. Guerra, G. Sangiorgi, L. Pisani & J. De Waele</i></p> <p>UNROOFED CAVES IN THE VENA DEL GESSO ROMAGNOLA AREA (N-ITALY): DISTRIBUTION AND AGE</p>		
10:20 - 10:40				
10:40 - 11:00	Coffee break			
11:00 - 12:00				
12:00 - 13:00	Lunch			

CONGRESS DAILY SCHEDULE

Date	THURSDAY, JULY 24, 2025			
Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium
13:00 - 14:00	Poster presentations			
14:00 - 14:20	Symposium on Chiropterofauna		Karst Hydrogeology and Speleogenesis <i>P. Audra, N. Rispal, D. Fleitmann, F. Swierczynski, H. Cheng, A.H.A. Al Ma'ashani & Dhofar Adventure members</i> THE JABAL AL QAMAR KARST, SW DHOFAR, OMAN: CAVE EVOLUTION AND FLASHFLOOD HYDRODYNAMIC	
14:20 - 14:40			Karst Hydrogeology and Speleogenesis <i>T. Faulkner</i> QUATERNARY DEGLACIAL SPELEOGENESIS ON THE GOWER PENINSULA, SOUTH WALES, UK	
14:40 - 15:00			Karst Hydrogeology and Speleogenesis <i>T. Faulkner</i> SPELEOGENESIS OF THE CALCAREOUS LITTORAL CAVES ON THE ISLAND OF LISMORE, SCOTLAND	
15:00 - 15:20			Karst Hydrogeology and Speleogenesis <i>P. AUDRA, L. PISANI, M. ANTONELLINI, F.H. BEZERRA, A.S. AULER, V. LA BRUNA, G. BERTOTTI & F. BALSAMO</i> HYPOGENE MAZE CAVE GENESIS IN IRECÊ BASIN, SÃO FRANCISCO CRATON. IOIÔ CAVE, BAHIA, BRAZIL	
15:20 - 15:40			Karst Hydrogeology and Speleogenesis <i>L.P. Fragomeni, V. Perondi, J. Soares, C. Voltolini, I. Voltolini, M.M. Guimarães & M.P.A. Oliveira</i> PIPING E DOLINAS NA GÊNESE DA CAVERNA DO PINHEIRO TORTO, PASSO FUNDO/RS: PROCESSOS GEOMORFOLÓGICOS E IMPLICAÇÕES	
15:40 - 16:00		Coffee break		
16:00 - 16:20	Symposium on Chiropterofauna		Karst Hydrogeology and Speleogenesis <i>J. De Waele, C.C. Shen, B. Vigna, A. Fiorucci, P. Marini, C.Y. Huang & H.M. Hu</i> SPELEOGENESIS AND EVOLUTION OF THE VALDEMINO CAVE (BORGIO VEREZZI, LIGURIA, NORTHERN ITALY)	
16:20 - 16:40			Karst Hydrogeology and Speleogenesis <i>A. Bulychov</i> ON THE GENESIS OF CAVES IN HARDLY-KARSTIC ROCKS	
16:40 - 17:00			Karst Hydrogeology and Speleogenesis <i>M. Covington, E. Oleson, M. Cooper, R. Hernandez-Vergara & A. Verde</i> THE RELATIVE IMPORTANCE OF CHEMICAL AND MECHANICAL EROSION IN SISTEMA J2, OAXACA, MEXICO	
17:00 - 17:20			Karst Hydrogeology and Speleogenesis <i>T.D.M. Morita & I. Karmann</i> SULFUR ON SALITRE FORMATION, BAHIA KARST: ORIGIN, MICROBIOLOGY, SPELEOGENESIS AND MINERAL DEPOSITS	
17:20 - 17:40			Karst Hydrogeology and Speleogenesis <i>F.V. Laureano & I. Karmann</i> LONG TERM ALLUVIATION AND ITS CONTRIBUTION TO THE DEVELOPMENT OF DISTRIBUTARY CAVE SYSTEMS	
17:40 - 18:00			Karst Hydrogeology and Speleogenesis <i>L.P.S. Godinho, I. Karmann, D. Granger, F.V. Laureano, T.D.M. Morita & G. Duarte</i> PLIOCENE-HOLOCENE EVOLUTION OF A CRATONIC, SANDSTONE COVERED KARST SYSTEM: NE BRAZIL	
18:00 - 18:20				
18:20 - 19:00	Break			
20:00 - 21:00	Brazilian Evening Party (Caves of Peruçu Room 3th floor)			
21:00 - 22:00				
22:00 - 23:00				
23:00 - 00:00				

CONGRESS DAILY SCHEDULE

Date	THURSDAY, JULY 24, 2025			
Time	PILÓ Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium
13:00 - 14:00	Poster presentations			
14:00 - 14:20		SpeleMedia	Karst Geomorphology <i>R. Bosch & D. Ward</i> CAVE SEDIMENTOLOGY: HISTORY AND RECENT ADVANCES	Meeting: Documentation Center
14:20 - 14:40			Karst Geomorphology <i>N.Z. Hajna, P. Bosák & P. Pruner</i> INSIGHTS FROM CAVE SEDIMENTS INTO KARST EVOLUTION, TECTONICS, AND CLIMATE CHANGE	
14:40 - 15:00			Karst Geomorphology <i>F. Gázquez, C. Cantero, L. Almela, J. Almela, E. Eriarte, H-M. Hu, C-C Shen & J.M. Calaforra</i> GENESIS AND CHRONOLOGY OF THE SPELEOTHEMS IN LA ROVELLONERA HALL (AVENC DE SABARÍN CAVE, TARRAGONA, NE SPAIN)	
15:00 - 15:20			Karst Geomorphology <i>L. Bruxelles, O. Ledimo, G. Dandurand & B. Chadelle</i> FIRST EVIDENCE OF GHOST-ROCK IN BOTSWANA: THEIR POTENTIAL FOR ANCIENT HOMININS RESEARCH	Casa Italia
15:20 - 15:40				
15:40 - 16:00	Coffee break			
16:00 - 16:20		SpeleMedia	Karst Geomorphology <i>J. Despain & N. Lathrop</i> SPELEOGENESIS AND CAVE GEOMORPHOLOGY IN THE KLAMATH MOUNTAINS, CALIFORNIA AND OREGON, USA	Casa Italia
16:20 - 16:40			Karst Geomorphology <i>J.M Koether, A.R. Farrant, H. Barton</i> THE INFLUENCE OF MICROBIAL NITROGEN CYCLING AND SUBAERIAL DISSOLUTION ON SECONDARY SPELEOGENESIS IN THE CAVES OF GUNUNG MULU NATIONAL PARK, MALAYSIA	
16:40 - 17:00			Karst Geomorphology <i>C. Stenner, L.J. Florea, L. Sobolewski, A. Pflitsch</i> CLASSIFICATION AND CHARACTERISTICS OF GLACIOVOLCANIC CAVES	
17:00 - 17:20				
17:20 - 17:40				
17:40 - 18:00				
18:00 - 18:20				
	Break			
21:00 - 22:00				
22:00 - 23:00				
23:00 - 00:00				

CONGRESS DAILY SCHEDULE

Date	FRIDAY, JULY 25, 2025			
Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium
08:00 - 08:20				
08:20 - 08:40			<p>Topography, Mapping, 3D Scanning, and Documentation</p> <p><i>T.F. Lima</i></p> <p>MAPEAMENTO DE CAVIDADES HOSPEDADAS POR ROCHAS FERRÍFERAS E/OU FERRUGINOSAS COM USO DE SENSOR LIDAR: O CASO DA CAVIDADE DO MANSO.</p>	Symposium on Subterranean Biology
08:40 - 09:00			<p>Topography, Mapping, 3D Scanning, and Documentation</p> <p><i>L. Pisani, M. Sivelli & P. Forti</i></p> <p>UNITY IS STRENGTH. "SPELEOTECA": THE SHARED CATALOGUE OF ITALIAN SPELEOLOGICAL LIBRARIES</p>	
09:00 - 09:20			<p>Topography, Mapping, 3D Scanning, and Documentation</p> <p><i>M. Cekada, P. Gostincar, J. Ticar, T. Mazej, M. Eerker & A. Svava</i></p> <p>SPELEOLOGICAL REGIONALIZATION OF SLOVENIA: METHODOLOGY AND APPLICATION</p>	
09:20 - 09:40			<p>Topography, Mapping, 3D Scanning, and Documentation</p> <p><i>P.G.G. Rossi, L.C. Rocha, L.H.S. Vital & B.M. Corbani</i></p> <p>TESTE METODOLÓGICO COM DADOS 3D LIDAR, PARA ANÁLISE MORFOLÓGICA E MONITORAMENTO DA CAVERNA BURACO DO INFERNO, RESENDE COSTA-MG</p>	
09:40 - 10:00			<p>Topography, Mapping, 3D Scanning, and Documentation</p> <p><i>J.B. Cruz & J.F. Costa Neto</i></p> <p>O CADASTRO NACIONAL DE INFORMAÇÕES ESPELEOLÓGICAS: UM INSTRUMENTO PARA GESTÃO E CONSERVAÇÃO DO PATRIMÔNIO ESPELEOLÓGICO BRASILEIRO</p>	
10:00 - 10:20			<p>Topography, Mapping, 3D Scanning, and Documentation</p> <p><i>P. Crochet & A. Guiraud</i></p> <p>DOCUMENTING CAVES OF KÖYTENDAG (TURKMENISTAN)</p>	
10:20 - 10:40			<p>Topography, Mapping, 3D Scanning, and Documentation</p> <p><i>L.A. Zogbi & F.C.R. Motta</i></p> <p>THE CAVES OF THE AMAZON</p>	
10:40 - 11:00	Coffee break			
11:00 - 12:00	<p>Keynote Lecture</p> <p>Andy Eavis - The Largest Caves in the World</p>			
12:00 - 14:00	Lunch			

CONGRESS DAILY SCHEDULE

Date	FRIDAY, JULY 25, 2025			
Time	PILÓ Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	NAVY Auditorium
08:00 - 08:20	<p>Volcanic Caves</p> <p><i>L. Kim, J. Lee & K.S. Woo</i></p> <p>GEOHERITAGE VALUES AND CONSERVATION OF THE BILLEMOT CAVE IN JEJU ISLAND, SOUTH KOREA</p>	SpeleMídia	<p>Karst Hydrogeology and Speleogenesis</p> <p><i>P. Audra, G. Cazes, X. Robert, L. Barriquand, Y. Dublyansky, G. Koltai, M. Temovski, V. Polyak, C. Carbone, V. Heresanu, J.P. Gruat, J. De Waele</i></p> <p>SPELEOGENESIS OF GAP-GOTAN (CUPP-COUTUNN) CAVE SYSTEM, KÖYTENDAG MASSIF, TURKMENISTAN</p>	
08:20 - 08:40	<p>Volcanic Caves</p> <p><i>F. Sauro, T. Santagata, M. Cappelletti, E. Lopo, A.Z. Miller, M. Vattano, B.P. Onac & A. Matteo</i></p> <p>THE HRAUNRÁSIR PROJECT: EXPLORING THE MINERALOGY, MICROBIOLOGY AND EVOLUTION OF NEWLY FORMED LAVA TUBES IN ICELAND</p>		<p>Karst Hydrogeology and Speleogenesis</p> <p><i>M. Carden & P. Kambesis</i></p> <p>POLYGENETIC KARSTIFICATION IN THE MAMMOTH CAVE REGION</p>	
08:40 - 09:00	<p>Volcanic Caves</p> <p><i>C. Stenner, K. Graham, M. Paton, J. Nash, M.L. Cable & G. Williams-Jones</i></p> <p>MORPHOLOGY AND MICROCLIMATE OF A NOTABLE GLACIOVOLCANIC CAVE, MOUNT MEAGER, CANADA</p>		<p>Karst Hydrogeology and Speleogenesis</p> <p><i>P. Kambesis & M. Carden</i></p> <p>POLYGENETIC SPELEOGENESIS AND KARST AQUIFER EVOLUTION IN THE SOUTHWESTERN</p>	
09:00 - 09:20	<p>Volcanic Caves</p> <p><i>A. Marraffa, M. Massironi, R. Pozzobon & F. Sauro</i></p> <p>MORPHOMETRIC ANALYSIS OF LAVA TUBES</p>		<p>Karst Hydrogeology and Speleogenesis</p> <p><i>P. Audra, M. Vattano, G. Madonia, D. Cailhol, M. Cappelletti, A. Columbu, G. Koltai, M. Temovski, A.F. Cortés, F. Gázquez-Sánchez, C. Spötl, J.C. Nobécourt, E. Galli, J. De Waele & F. Sauro</i></p> <p>THE MONTE KRONIO HYDROTHERMAL CAVE SYSTEM, SICILY, ITALY</p>	
09:20 - 09:40	Meeting: Volcanic Caves Commission		<p>Karst Hydrogeology and Speleogenesis</p> <p><i>T.V. Bastos, P.E.S. Lima, G.L.C. Oliveira, I.D. Rudnitki, P.H.A. Silva & R.O. Silva</i></p> <p>SPELEOGENESIS IN QUARTZITES IN THE SOUTHWESTERN IBITIPOCA STATE PARK</p>	
09:40 - 10:00			<p>Karst Hydrogeology and Speleogenesis</p> <p><i>A. Naseddu, F. Casti, M.R. Cadoni, P. Luca, A. Zarantonello, T. Santagata, C.C. Shen & J. De Waele</i></p> <p>A MULTIDISCIPLINARY STUDY TO UNDERSTAND THE SPELEOGENESIS AND EVOLUTION OF SAN GIOVANNI CAVE (DOMUSNOVAS, SW-SARDINIA)</p>	
10:00 - 10:20				
10:20 - 10:40				
10:40 - 11:00	Coffee break			
11:00 - 12:00				
12:00 - 14:00	Lunch			

CONGRESS DAILY SCHEDULE

FRIDAY, JULY 25, 2025								
Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium	PILO Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium
14:00 - 14:20	Symposium on Cave and Karst Protection and Management	Climatology and Monitoring <i>M. Gomes, D.J. Santos & L.E.P. Travassos</i>	Topography, Mapping, 3D Scanning, and Documentation <i>P. Häuselmann</i>	Subterranean Biology <i>J.N. Magno, C.P. Teixeira, M.T.M. Souza, I.L. Barroso & G.B. Oliveira</i>	SpeleMedia			
		MICROCLIMATIC DYNAMICS AND CONSERVATION OF FURNA FEIA CAVE: CHALLENGES FOR SUSTAINABLE PUBLIC USE	HUMPLEU CAVE, ROMANIA: 23 YEARS OF (WAITING FOR) REMAPPING: DONE!	POLUIÇÃO LUMINOSA E RÚIDO ANTRÓPICO: POSSÍVEIS AMEAÇAS NEGLIGENCIADAS À QUIRÓPTEROFAUNA EM CAVIDADES SUBTERRÂNEAS DE MINAS GERAIS				
14:20 - 14:40		Climatology and Monitoring <i>M. Suric & R. Loncaric</i>	Topography, Mapping, 3D Scanning, and Documentation <i>P. Crochet & A. Guiraud</i>	Subterranean Biology <i>J.B. Galo, G.M. Cardoso & R.L. Ferreira</i>				
		CLIMATE CHANGE FOOTPRINT IN MODRIC CAVE (CROATIA) DATA SET	A PHOTOGRAPHIC APPROACH OF GLOWWORMS IN NEW ZEALAND	TWO NEW TROGLOBITIC SPECIES OF THE GENUS SPELAEOGAMMARUS DA SILVA BRUM, 1975 (AMPHIPODA, ARTESIIDAE) FROM BRAZIL				
14:40 - 15:00		Climatology and Monitoring <i>M. Gomes, D.J. Santos, L.E.P. Travassos & U.A. Ruchkys</i>	Topography, Mapping, 3D Scanning, and Documentation <i>C. Mouret</i>	Subterranean Biology <i>J.C.C.V. Santos, M. Asche, H. Hoch & R.L. Ferreira</i>				
	SPELEOCLIMATE AND CONSERVATION: AN APPROACH TO MONITORING TOURIST CAVES IN THE CAVERNAS DO PERUAÇU NATIONAL PARK	THAM LÔ, KHAMMOUANE, LAOS, EXPLORATION AND CHARACTERISTICS	ENDEMIC AND RARE - THE FIRST CAVE-DWELLING DELPHACIDAE OF THE NEOTROPICS IS FOUND ON BRAZIL (HEMIPTERA FULGOROMORPHA DELPHACIDAE)					
15:00 - 15:20		Climatology and Monitoring <i>A. Mastella, J. De Waele, M. Filippini, E. Nicolini, G. Rossi, G. Gonzato, M. André, M.V.D. Shaar &</i>	Topography, Mapping, 3D Scanning, and Documentation <i>R.S. Martinelli, M. Zackiewicz & M. Gonçalves</i>	Subterranean Biology <i>P.H.M. Carvalho & R.L. Ferreira</i>				Casa Italia
		THE CAVE VOICE: ACOUSTIC MONITORING OF FLOODS IN SPURGA DELLE CADENE (ITALY)	DEVIL 'S CAVE: BEAUTIES AND SECRETS OF SÃO PAULO'S MOST FAMOUS CAVE	FIRST RECORDS OF ARACAMBAE CRICKETS (ORTHOPTERA: PHALANGOPSIDAE) IN CAVES, WITH DESCRIPTION OF SEVEN NEW SPECIES				
15:20 - 15:40		Climatology and Monitoring <i>R. Loncaric & M. Suric</i>	Topography, Mapping, 3D Scanning, and Documentation <i>L.A. Zogbi, R. Cassimiro, O. Prado & K. Downey</i>	Subterranean Biology <i>G.C. Prado & R.L. Ferreira</i>				
	RESPONSE OF THE CAVE AIR CO₂ CONCENTRATION IN MODRIC CAVE (CROATIA) TO METEOROLOGICAL EVENTS	THE TAMBORIL CAVE: A HERITAGE TO BE PRESERVED	UNVEILING A NEW GENUS OF CAVE-DWELLING PSEUDOSCORPION FROM BRAZIL: TAXONOMY AND SYSTEMATIC RELEVANCE					
15:40 - 16:00	Coffee break							
16:00 - 16:20	Symposium on Cave and Karst Protection and Management	Climatology and Monitoring <i>G.M. Dutra, L.F.F. Lopez, B. Scherer, A. Souza, I.L. Barroso, J. Timo, M.B. Timo & R. Araújo</i>	Topography, Mapping, 3D Scanning, and Documentation <i>E. Madelaine & J. Roy</i>	Subterranean Biology <i>P.S. Pompeu, T.G. Pellegrini & R.L. Ferreira</i>		SpeleMedia		Casa Italia
	RELAÇÃO ENTRE CHUVA E TEMPERATURA NA CAVIDADE N3	CAVES AND KARST DATABASES AT THE FRENCH CAVING FEDERATION (FFS)	INVENTORY AND DISTRIBUTION OF FISH FAUNA IN GRUTA MORENA, SÃO FRANCISCO BASIN, BRAZIL					

FRIDAY, JULY 25, 2025

Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium	PILÓ Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium
16:20 - 16:40	Symposium on Cave and Karst Protection and Management	Climatology and Monitoring <i>M. Cisneros, R. Daza, M. Ubach, A. Entrena, L. Auroux & Equipo de espeleología del proyecto Perlas de caverna</i>	Topography, Mapping, 3D Scanning, and Documentation <i>T. Racine, P. Renard, J. Arnauld & S. Jaillet</i>	Subterranean Biology <i>A.L. Camargo, S.L.S. Bueno & E. Trajano</i>		SpeleMedia		Casa Italia
		PROYECTO "PERLAS DE CAVERNA EN EL AVENC MONTERRAT UBACH" (PIRINEOS CATALANES): MONITORIZACIÓN DE LA FORMACIÓN DE PISÓLITOS Y DE LAS CONDICIONES HIDROCLIMÁTICAS	IMAGE ANALYSIS AND CHANGE DETECTION FROM LASER SCANS TO CHARACTERISE MOBILE SEDIMENTS IN CAVES	DIVERSITY OF SUBTERRANEAN AEGLA (CRUSTACEA: DECAPODA: ANOMURA) IN THE ALTO RIBEIRA KARST AREA, SOUTHEASTERN BRAZIL				
16:40 - 17:00		Climatology and Monitoring <i>M. Fioraso, F. Narduzzi, M. Cabral, A. Pereswiel-Soltan, A.M.Dalla Valle, P. Corsini & A. Riva</i>	Topography, Mapping, 3D Scanning, and Documentation <i>R. Hernandez-Vergara, M.A. Boneta-Rodriguez & M.A. Monroy-Osorio</i>	Subterranean Biology <i>J.R. Maia, P.H.M. Carvalho, R. Pellens & R.L. Ferreira</i>				
		UNDERGROUND MONITORING AND MAPPING IN CONGLOMERATE KARST, A CASE STUDY FROM "CASTEL SOTTERRA" CAVE (VENETO, ITALY)	SPELEOGENETIC INSIGHTS FROM LA JOYA CAVE: A TOPOGRAPHIC COMPARISON USING DISTO-X AND 3D LIDAR SLAM	DESCRIPTION OF A NEW TROGLOBITIC SPECIES OF LITOBLLATA HEBARD, 1921 (BLATTODEA: BLATTELLIDAE) FROM SOUTHEASTERN BRAZIL				
17:00 - 17:20		Climatology and Monitoring <i>C. Honiat, F. Francisco, R. Maire, A. Honiat, S. Christoph, E. Lawrence, N. Morata-Calvo & B. Tourte</i>	Topography, Mapping, 3D Scanning, and Documentation <i>M. Dias, J. Ferreira, F. Lucas, H.M. Costa, A. Fael, A.P. Galvão, D.M.V.B. Amaral & L.A. Dimuccio</i>	Subterranean Biology <i>F.C. Caldeira, P.H.M. Carvalho & R.L. Ferreira</i>				
		KARST MONITORING IN MADRE DE DIOS FOR UNDERSTANDING PATAGONIAS PAST REGIONAL CLIMATE	NOVAS EXPLORAÇÕES ESPELEOLÓGICAS NA GRUTA DO ALGAR DA ARROTEIA (MACIÇO CALCÁRIO ESTREMENHO, PORTUGAL)	DESCRIPTION OF A NEW SPECIES OF EIDMANACRIS CHOPARD, 1956 (ORTHOPTERA: PHALANGOPSIDAE) FROM A CAVE IN NORTHEASTERN BRAZIL				
17:20 - 17:40	Climatology and Monitoring <i>R. Colton & M. Covington</i>	Topography, Mapping, 3D Scanning, and Documentation <i>M.T. Lima, A.F.C.C. Oliveira, L.P.N. Selos, B.P. Mendes, A.F.P. Silva, J.V.S. Dias, L.M.R. Oliveira & M.M. Ferreira</i>	Subterranean Biology <i>G.M. Cardoso, M.P.A. Oliveira & R.L. Ferreira</i>					
	UNDERSTANDING THE VARIABILITY IN GAS CONCENTRATIONS OF CARLSBAD CAVERN	PLANIMETRIC TRILATERATION CAVE TOPOGRAPHY	NEW SPECIES OF CAVE-RESTRICTED HYALELLA (CRUSTACEA: AMPHIPODA) FOR BRAZIL, WITH THE FIRST RECORDS FROM THE AMAZON					
17:40 - 18:00	Climatology and Monitoring <i>P. Marques, D. Pujoni, P.G. Silva, A. Souza, M.R. Machado, T. Souza & A.S. Auler</i>	Topography, Mapping, 3D Scanning, and Documentation <i>H.B. Gurlekian & L.G. Zungri</i>	Subterranean Biology <i>A. Salussolia, F. Stoch & J.F. Flot</i>					
	PARTICULATE MATTER MONITORING: METHODOLOGICAL GUIDELINES BASED ON THE RESULTS OF EXPERIMENTS IN IRON CAVES	DISEÑO DE UNA APLICACIÓN WEBGIS PARA EL TRABAJO ESPELEOLÓGICO	TAXONOMY, PHYLOGENY AND EVOLUTIONARY HISTORY OF NIPHARGID AMPHIPODS (CRUSTACEA, AMPHIPODA) IN ALPINE GROUNDWATERS					
18:00 - 18:20		Topography, Mapping, 3D Scanning, and Documentation <i>M.T. Lima, L.P.N. Selos, A.F.C.C. Oliveira, G.P.F. Belga, B.P. Mendes, L.S.B. Neto, J.V.S. Dias & M.M. Ferreira</i>	Subterranean Biology <i>A. Sendra, R. Lopes, J. Selfa, A. Sánchez-García, X. Delclós & A. Jiménez-Valverde</i>					
		METHODOLOGIES FOR HAND-SKETCHED SPELEOLOGICAL TOPOGRAPHY: INTEGRATING POST-PROCESSED BRICS DATA WITH TOPGRU	DIPLURA, AMONG THE FIRST HEXAPODS TO COLONIZE LAND CAVES					
18:20 - 19:00	Break							
19:00 - 20:00	Awards Ceremony (map, photo, film contests, and SpeleOlympics)							
20:00 - 21:00	Caves of Peruacu Room							
21:00 - 22:00								
22:00 - 23:00								
23:00 - 00:00								

CONGRESS DAILY SCHEDULE

Date		SATURDAY, JULY 26, 2025							
Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium	PILO Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium	
08:00 - 08:20				Subterranean Biology <i>J.A. Oliveira, J.P.S. Goulart, A.F. Leão, T.O. Condé, F.A. Custódio, D.O. Ramos & O.L. Pereira</i>			Environmental Education <i>C. Tossi, A. Mainardi, V. De Giorgio, S. Marrone, E. Viroli, F. Ornaghi, T. Colnaghi, L. Migliorina & G. Priolo</i>		
08:20 - 08:40				PHOSPHATE-SOLUBILIZING FUNGI FROM CAVES IN THE SERRA DO ESPINHAÇO MERIDIONAL, MINAS GERAIS, BRAZIL			SPELEO DENTRO PROJECT, SOCIOLOGICAL AND PEDAGOGICAL ANALYSIS OF EDUCATIONAL RESULTS		
08:40 - 09:00				Subterranean Biology <i>M. Cappelletti, A. Firrincieli, G. Broglia, D. Ghezzi, E. Lopo, F. Pisani, F. Vergara & F. Sauro</i>			Environmental Education <i>B.O. Meyer, M.B. Timo, L.A.V. Figueiredo, C.R. Donato & I. Assis</i>		
08:40 - 09:00				IN-FIELD MICROBIOLOGICAL ANALYSES IN AN ANCIENT AND REMOTE ORTHOQUARTZITE CAVE OF AUYÁN-TEPUI (VENEZUELA)			CARTILHAS DIDÁTICAS: FERRAMENTAS ESSENCIAIS PARA DIVULGAÇÃO ESPELEOLÓGICA		
08:40 - 09:00				Subterranean Biology <i>E. Lopo, A. Firrincieli, G. Madonia, M. Vattano, A.G. Rombolá, N. Greggio, F. Sauro & M. Cappelletti</i>			Environmental Education <i>D.S. Menin & D.C. Bacci</i>		
08:40 - 09:00				ANALYSES OF THE PECULIAR BIOFILM PATTERNS PRESENT IN THE HYDROTHERMAL CAVE SYSTEM OF MONTE KRONIO (SICILY)			FROM THE CAVE TO THE CLASSROOM: A PLACE-BASED INTERDISCIPLINARY EDUCATIONAL PROPOSAL		
09:00 - 09:20		Topography, Mapping, 3D Scanning, and Documentation <i>A.A. Acosta-Colon</i>	Symposium on Cave Paleontology	Subterranean Biology <i>E. Lopo, A. Turatto, P. Lucci, J. De Waele & M. Cappelletti</i>	Symposium on Arts and Letters	SpeleMedia (Winners)	Environmental Education <i>A.C.R.S. Silva, L. Morato & T.M. Silveira</i>		
09:00 - 09:20		3-D LIDAR MAPPING AND VISUALIZATION OF LAS CABACHUELAS CAVE SYSTEMS IN MOROVIS, PUERTO RICO.		FIRST MICROBIOLOGICAL ANALYSES OF GYPSUM CAVES IN EMILIA-ROMAGNA (ITALY)			PEDAGOGICAL MAPPING OF CAVES IN SÃO DESIDÉRIO (BA, BRAZIL) AS LEARNING SPACES FOR HIGH SCHOOL STUDENTS		
09:20 - 09:40	Topography, Mapping, 3D Scanning, and Documentation <i>D. Dora, G. Lazaridis, P. Tokmakidis, G. Veni, K. Tokmakidis & K. Vouvalidis</i>	Subterranean Biology <i>J.D. Dias, D.M. Bento, A.K.S. Silva, C.T. Puppim-Gonçalves</i>		Environmental Education <i>A.C.R.S. Silva, L. Morato & T.M. Silveira</i>					
09:20 - 09:40	ASSESSMENT OF A LOW-COST SOLUTION FOR CAVE MAPPING: A COMPARATIVE ANALYSIS	CONTRIBUIÇÃO DO BANCO DE OVOS PARA A DIVERSIDADE DE ZOOPLÂNCTON EM AMBIENTES AQUÁTICOS SUBTERRÂNEOS		PEDAGOGICAL WORKSHOP FOR THE DISSEMINATION OF SPELEOLOGY AT A SCHOOL IN BARREIRAS (BA, BRAZIL)					
09:40 - 10:00	Topography, Mapping, 3D Scanning, and Documentation <i>P.H.R. Arenas & R.K.M. Silva</i>	Subterranean Biology <i>C.T. Puppim-Gonçalves, A.K.S. Silva, D.K. Petsch, D.M. Bento & J.D. Dias</i>		Environmental Education <i>L.A. Bledsoe, C.F. Lino & D. Kranjc</i>					
09:40 - 10:00	VALE DO RIO GAMELEIRA – REDESCOBERTAS ESPELEOLÓGICAS NO P.A. GAMELEIRA E ENTORNO	DIVERSIDADE BETA DE ZOOPLÂNCTON NA CAATINGA: SINGULARIDADE AMBIENTAL E BIOLÓGICA EM ECOSISTEMAS SUBTERRÂNEOS		THE CAVEMAB NETWORK: WORKING TO UNDERSTAND AND PROTECT CAVES AND KARST RESOURCES WITHIN THE UNESCO WORLD NETWORK OF BIOSPHERE RESERVES					
10:00 - 10:20	Topography, Mapping, 3D Scanning, and Documentation <i>H.L. Rocha, D.F. Moss, D. Mendy, M. Faraone & B. Gentile</i>	Subterranean Biology <i>C.A. Chauveau, S. Sarbu & J.F. Flot</i>		Environmental Education <i>D.H. Oliveira & M.O.S. Gomes</i>					
10:00 - 10:20	RELEVAMIENTO TOPOGRÁFICO, GEOESPELEOLOGÍA Y ARQUEOLOGÍA DE LA CUEVA DE LA LIEBRE, RODEO, SAN JUAN, ARGENTINA	BEYOND GEOGRAPHIC BOUNDARIES: THIOTHRIX-CRUSTACEAN SYMBIOSES ACROSS SULFIDIC ECOSYSTEMS		RELATO DE EXPERIÊNCIA: EDUCAÇÃO AMBIENTAL ESPELEOLÓGICA E CONSERVAÇÃO DE AMBIENTES CAVERNÍCOLAS					
10:20 - 10:40	Topography, Mapping, 3D Scanning, and Documentation <i>L. Morato, A.C.R.S. Silva & L.A. Medeiros</i>	Subterranean Biology <i>S. Carmichael, B. Norvell, A.M. Riley, L. Scoggins, M. Smith, H. Neufeld & S. Brauer</i>	Environmental Education <i>P.F.C. Sousa, M.N.M. Silva, C.C.A. Pereira, L.V. Silva</i>						
10:20 - 10:40	USE OF A CELL-PHONE BASED 3D SCANNING APP AND 3D PRINTING AS RESOURCES FOR SPELEOLOGY IN BAHIA, BRAZIL	HUMAN-ASSOCIATED BACTERIAL PHYLA AND MICROPLASTIC FIBERS ARE ENRICHED IN SEDIMENTS OF A SOUTHERN APPALACHIAN SHOW CAVE	CURSOS DE INTRODUÇÃO A ESPELEOLOGIA DO GUANO SPELEO E A DIFUSÃO DO CONHECIMENTO SOBRE O PATRIMÔNIO ESPELEOLÓGICO						
10:40 - 11:00	Coffee break								
11:00 - 12:00	Keynote Lecture - Robbie Schmittnee - Unveiling the Complex Cave Systems of the Yucatán Peninsula								
12:00 - 13:00	Lunch								

Date		SATURDAY, JULY 26, 2025						
Time	POSTOJNA Hall	LE BRET Auditorium	ERASO Auditorium	CIGNA Auditorium	PILÓ Auditorium	GÉZE Auditorium	TRIMMEL Auditorium	ANAVY Auditorium
14:00 - 14:20		Cave Diving <i>S.R. Schirato, J.A. Ferrari & F.W. Cruz</i> EXPLORATIONS OF PHREATIC CAVES IN NOBRES, BRAZIL, AND THE FIRST INSIGHTS ABOUT THE KARST AQUIFER		Subterranean Biology <i>L. Guimarães, G.C. Prado & R.L. Ferreira</i> A NEW SPECIES OF CERIOCHERNES BEIER, 1937 (PSEUDOSCORPIONES, CHERNETIDAE) FROM NORTHEASTERN BRAZIL	Symposium on Arts and Letters	SpeleMedia (Winners)	Environmental Education <i>E.G.T. NEVES, G.T.C.P. Coelho & M.B. Timo</i> EFICÁCIA PEDAGÓGICA DO LIVRO "QUE PINTURA ! VAI FICAR PRÁ-HISTÓRIA ! A INIGUALÁVEL AVENTURA NA GRUTA SUINDARA" PARA O ENSINO E SENSIBILIZAÇÃO AMBIENTAL EM ESPELEOLOGIA E CARSTOLOGIA NA EDUCAÇÃO BÁSICA DE SETE LAGOAS (MG)	Meeting UIS International Cave and Karst Policy Task Force
14:20 - 14:40		Cave Diving <i>B. Wielander, S. Gaar & R. Wagner</i> REMOTE DIVES IN THE WEST OF HIRLATZHÖHLE, UPPER AUSTRIA	Subterranean Biology <i>J.P. Alves, M.P.A. Oliveira, D. Alvarenga, G. Argolo, T.G. Pellegrini, A.F.A. Flores, M.C.V. Lima & T. Pietrobon</i> HABITANDO FOLHAS E CAVERNAS: TROGLOMORFISMOS CLÁSSICOS SÃO APLICÁVEIS AOS ESTAFILINÍDEOS AMAZÔNICOS?					
14:40 - 15:00			Subterranean Biology <i>B.K.G. Almeida, L.L. Oliveira, D.Batsita-Ribeiro, L.F.O. Bernardi</i> HOST DISCOVERY AND NEW LOCALITY RECORDS OF CAVE-DWELLING MITE CHIASMANYSSUS CAVERNICOLA GOMES-ALMEIDA & PEPATO, 2021 (ACARI: MACRONYSSIDAE) FROM BRAZIL					
15:00 - 15:20								
15:20 - 15:40								
15:40 - 16:00	Coffee break							
16:00 - 16:20		Meeting: Informatics Commission on Survey and Mapping				SBE General Assembly		
16:20 - 16:40								
16:40 - 17:00								
17:00 - 17:20								
17:20 - 17:40								
17:40 - 18:00								
18:00 - 18:20								
18:20 - 19:00	Break							
19:00 - 23:00	19th ICS Closing Banquet UIS Prizes 2025 Award Ceremony (Caves of Peruaçu Room - 3th floor)							



Maroaga Cave (Sandstone Rock) - Presidente Figueiredo, Amazonas, Brazil - Photo by Ricardo Martinelli



**Cave on Jericoacoara Beach - (Meta-sandstone Rock) - Jijoca de Jericoacoara, Ceará, Brazil.
Photo by Diego Bento**



**19th INTERNATIONAL
CONGRESS OF SPELEOLOGY**
38^o Congresso Brasileiro de Espeleologia

20-27 JULY 2025 - BELO HORIZONTE - MINAS GERAIS - BRAZIL

EXCURSIONS

WEDNESDAY TRIPS

As per the tradition of the International Congresses of Speleology, Wednesday is dedicated to day trips, which are concentrated in the vicinity of the Congress's venue or which are made possible by land transport that is feasible in time. For the 19th ICS, Wednesday, July 23, 2025, the following itineraries are on the program:

WT-01- City tour in Belo Horizonte

Belo Horizonte, the charming capital of the state of Minas Gerais, is a destination that mixes modernity and tradition. With its striking architecture, lush parks, and vibrant cultural scene, the city offers visitors a unique experience. Discover the charm of the mountains that surround it, taste delicious Minas Gerais cuisine, and explore the rich history of every corner.

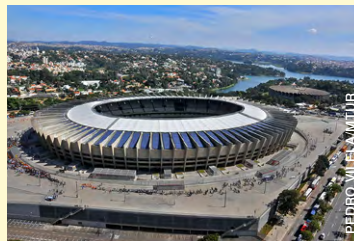


WT-02 - Cultural Complex of Liberty Square in BH

The complex of Liberty Square is a historical icon of Belo Horizonte. This space houses palaces and gardens that tell the rich history of Minas Gerais. With its architecture, museums and cultural spaces, the Liberty Square is an invitation to contemplate and immerse yourself in local culture. Discover the elegance of a preserved past and experience the contemporary energy of this architectural jewel. In addition, visit the Gerdau Museum of Mines and Metals, Minas Gerais Vale Memorial, among other attractions.

WT-03 - Architectural Complex of Pampulha and the Mineirão Stadium in BH

The Pampulha Complex is where Oscar Niemeyer's visionary architecture meets natural beauty. There are the iconic Saint Francis of Assisi Church (the symbol of BH), the Pampulha Art Museum and the Mineirão Stadium with the Football Museum. This harmonious set of attractions offers a unique experience, combining culture, sport and beautiful landscapes.



WT-04 - Park of Mangabeiras and Trip to the Outlying Rola Moça Mountain Range in BH

The exuberant nature of Belo Horizonte is also evident in Parque das Mangabeiras and the majestic Rola Moça Mountain Range. The park, with its spacious gardens and trails, offers a serene refuge in the heart of the city, while Rola Moça offers a wide view of the city and beyond.

WT-05 - Caves in the Ferruginous Rock of the Quadrilátero Ferrífero (40 km)

There are thousands of caves in the ferruginous rock in the heart of the called *Quadrilátero Ferrífero*, 40 km from Belo Horizonte. In an immersion into the geological history of the region, these caves reveal the secrets of the precious ore that played a crucial role in the economic formation of Brazil. It is an adventure through underground corridors with unique natural formations, which provides a tourist experience that combines the grandeur of nature with the industrial legacy of the area.



WT-06 - Sumidouro Lagoon and Lapinha Show Cave in Lagoa Santa (40 km)

The Cave of Lapinha is located in the Park of Sumidouro in Lagoa Santa, 40 km from Belo Horizonte. Its unique formations are the result of the marks of an underground river, originating from limestone rocks formed by the marine remains of the Rio das Velhas basin. In addition to the cave, visitors can explore the Peter Lund Museum, which features an exhibition dedicated to the naturalist and his discoveries in the region in the 19th century, displaying significant fossils. Ideal for families, the park offers activities such as climbing and trails, culminating in the viewpoint of the Sumidouro Lagoon.



EVANDRO RODNEY



NIVALDO COLZATO

WT-07 - Cerca Grande Archaeological Site in Matozinhos (60 km)

In the district of Mocambeiro, Matozinhos, 60 km from Belo Horizonte, the Cerca Grande State Park is located in a karst region that was a pioneer in speleology, archeology and Brazilian paleontology. The park was explored and studied by Peter Wilhelm Lund in 1837, who is considered the father of Brazilian paleontology. Among its heritage, one cave displays around 100 rock engravings, depicting hunting scenes and Pleistocene animals found by Lund.

WT-08 - Inhotim - the Largest Open-Air Museum in the World in Brumadinho (60 km)

The Inhotim Institute is an artistic and botanical oasis located in Brumadinho, 60 km from Belo Horizonte. With more than 500 hectares of lush gardens and contemporary art galleries, the complex offers a unique experience where nature and culture intertwine. Works by renowned national and international artists are displayed amidst a tropical landscape. A sensory journey that transcends borders, Inhotim Park is an unmissable stop for art and nature lovers.



© MUSEU INHOTIM



© REVISTA SACARANA

WT-09 - Aleijadinho Sculptural Complex in Congonhas (80 km)

In the historical richness of Congonhas, 80 km from Belo Horizonte, this is where the Baroque comes to life. Home to the Sanctuary of Bom Jesus de Matosinhos, a UNESCO World Heritage Site, Congonhas displays iconic sculptures by Aleijadinho (artist from Minas Gerais), silent witnesses to 18th-century art and devotion. Amidst the stone slopes, discover the cultural legacy of this charming city, which splendidly preserves Brazil's Baroque heritage.

WT-10 - Cave of Igrejinha and Ouro Branco Mountain Range (90 km)

The charming Serra do Ouro Branco State Park, 90 km from Belo Horizonte, a jewel in the south of the Espinhaço Range. Highlight is Igrejinha Cave, the largest dolomitic marble cave in the *Quadrilátero Ferrífero*, classified as a natural heritage site. In addition to its rare speleological genesis, the area offers historical, scientific and cultural value. Ouro Branco Mountain Range is a watershed between three important river basins in the region: Velhas River and Paraopeba River, tributaries of the São Francisco River, and Piranga River, a contributor to the Doce River basin.



SEE

WT-11 - The Colonial Baroque in Ouro Preto (100 km)

It is possible to travel back in time exploring the cobblestone streets and baroque churches of Ouro Preto, 100 km from Belo Horizonte, a historical jewel of Minas Gerais. This colonial city, declared a UNESCO World Heritage Site, reveals the opulence of the Gold Cycle in its richly decorated churches and museums that tell the saga of mineral wealth. With its imposing architecture and landscapes characterized by rocky ridges and embedded valleys, Ouro Preto is an invitation to immerse yourself in the history of colonial Brazil.



WT-12 - Gold Mines and Museums in Ouro Preto (100 km)

Testimony to the roots of colonial Brazil in Ouro Preto, 100 km from Belo Horizonte, where the old gold mines tell the story of the Gold Cycle. Among the mountains, explore fascinating museums that preserve the region's historical and cultural richness. Witness the grandeur of the Gold Cycle while you walk the trails that reveal traces of mining splendor. Ouro Preto offers an enriching journey through the past, where museums and mines become portals to the country's rich heritage.

WT-13 - Serra do Cipó National Park in Santana do Riacho (100 km)

Known as the "Garden of Brazil", Serra do Cipó, 100 km from Belo Horizonte, dazzles with its waterfalls, canyons and rock formations. With altitudes between 700 and 1,670 meters, it is an important divider between the São Francisco and Rio Doce basins. Its diverse geology and rugged relief result in a rich flora with more than 1,700 species. The fauna, equally fascinating, reveals the unique evolution of the mountainous environment. As you explore this region, witness the history that dates back to prehistoric times, from the arrival of the first inhabitants to the transformation of economic activities, highlighting tourism as a growing force in the last decade.



WT-14 - Kiwa Cave, Itacolomi State Park (100 km)

Itacolomi Peak, 100 km from Belo Horizonte, is a historic landmark in Ouro Preto and Mariana, where the pioneers called "*bandeirantes*" explored the region in search of alluvial gold in the 17th century. Rising to 1,762 meters, this monadnock of quartzite rocks rests on a plateau 1,500 meters above sea level. Its caves, located in blocks of rocks transported like a tectonic nappe, reveal remarkable speleological potential. Explore the historical and natural richness of this icon that witnessed the beginnings of mineral exploration in Brazil.

WT-15 - Gogô Archeological Site and the Gold Mine of Passagem in Mariana (120 km)

The emergence of the region known today as Minas Gerais is closely linked to gold exploration. The first area that obtained the determined metal was the region between Ouro Preto and Mariana, respectively 100 and 120 km from Belo Horizonte, called *Morro de Santo Antônio* and *Morro Santana*. These are two very expressive complexes from a heritage and historical point of view, equipped with structures, mainly in stone masonry, related to the history of mineral exploration throughout the 18th, 19th and 20th Centuries. Despite their proximity to urban areas, they still have structural buildings in good condition.



WT-16 - Show Caves of Rei do Mato in Sete Lagoas and of Maquiné in Cordisburgo (120 km)

The Cave of Rei do Mato, in Sete Lagoas, is a fascinating underground complex that reveals stalactites and stalagmites formed over millennia. In Cordisburgo, 120 km from Belo Horizonte, visit the Cave of Maquiné, a geological treasure known as the “Catedral do Sertão”, where 19th Century naturalists found important paleontological remains. Both caves offer the visitors a unique journey into the subterranean wonders.



19th INTERNATIONAL CONGRESS OF SPELEOLOGY

Wednesday Trips

Boarding location: PRAÇA DA LIBERDADE with AV. BIAS FORTES
(*Liberty Square with Bias Fortes Avenue*)

Wednesday Trip Boarding Time - July 23 2025

N.o	Name of the Excursion	Boarding time
WT-14	Kiwa Cave, Itacolomi State Park (100 km)	07:00 a.m.
WT-10	Cave of Igrejinha and Ouro Branco Mountain Range (90 km)	07:00 a.m.
WT-05	Caves in the Ferruginous Rock of the Quadrilátero Ferrífero (40 km)	07:00 a.m.
WT-09	Aleijadinho Sculptural Complex in Congonhas (80 km)	07:30 a.m.
WT-11	The Colonial Baroque in Ouro Preto (100 km)	07:30 a.m.
WT-07 A	Cerca Grande Archaeological Site in Matozinhos (60 km)	07:30 a.m.
WT-07 B	Cerca Grande Archaeological Site in Matozinhos (60 km)	07:30 a.m.
WT-08 A	Inhotim - The Largest Open-Air Museum in the World in Brumadinho (60 km)	08:00 a.m.
WT-08 B	Inhotim - The Largest Open-Air Museum in the World in Brumadinho (60 km)	08:00 a.m.
WT-08 C	Inhotim - The Largest Open-Air Museum in the World in Brumadinho (60 km)	08:00 a.m.
WT-15	Gogô Archaeological Site and the Gold Mine of Passagem in Mariana (120 km)	08:30 a.m.
WT-16 A	Show Caves of Rei do Mato in Sete Lagoas and of Maquiné in Cordisburgo (120 km)	08:30 a.m.
WT-16 B	Show Caves of Rei do Mato in Sete Lagoas and of Maquiné in Cordisburgo (120 km)	08:30 a.m.
WT-12	Gold Mines and Museums of Ouro Preto (100 km)	09:00 a.m.
WT-13	Serra do Cipó National Park in Santana do Riacho (100 km)	09:00 a.m.
WT-06 A	Sumidouro Lagoon and Lapinha Show Cave in Lagoa Santa (40 km)	09:30 a.m.
WT-06 B	Sumidouro Lagoon and Lapinha Show Cave in Lagoa Santa (40 km)	09:30 a.m.
WT-04 A	Park of Mangabeiras and Trip to the Outlying Rola Moça Mountain Range in BH	10:00 a.m.
WT-04 B	Mangabeiras Park and Serra Rola Moça Walk in BH	10:00 a.m.
WT-01	City tour in Belo Horizonte	02:00 p.m.
WT-02	Cultural Complex of Liberty Square in BH	02:00 p.m.
WT-03	Architectural Complex of Pampulha and the Mineirão Stadium in BH	02:00 p.m.

Brazil, Belo Horizonte
July 20-27, 2025

