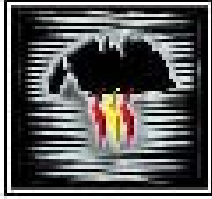




“Caves: the arrow of time, from Prehistory to the Present”

**La Vall d’Uixó (Castellón, Spain)
20-23 June 2018**

4th Newsletter



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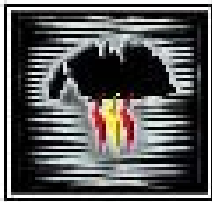
**Ajuntament de
la Vall d'Uixó**

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INTERNATIONAL SHOW CAVES ASSOCIATION



**FEDERACIÓ D'ESPELEOLOGIA
DE LA COMUNITAT VALENCIANA**



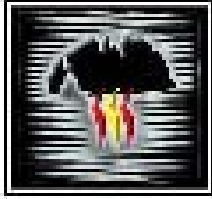
**UNIVERSITAT
JAUME I**



**VNIVERSITAT
DE VALÈNCIA**



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INTRODUCTION

The Spanish Show Caves Congress, an event not to be missed, celebrates its seventh edition in La Vall d'Uixó, Castellón (Spain). CUEVATUR is the meeting point in which subterranean tourism experts can share and exchange experiences. This sector has become the spearhead of innovative and sustainable tourism, as well as a channel to revitalize rural regions by means of the use of their natural and cultural subterranean heritage.

In addition, the next CUEVATUR will coincide with the Second Iberoamerican Show Caves Congress, converting La Vall d'Uixó and Coves de Sant Josep into one of the most important meetings for the Subterranean Tourism, a tourist sector which is promoting the declaration of **June 6th** as the **Day of Caves and the Subterranean World**.

As in previous editions, CUEVATUR will become the forum to present the latest works, studies and researches conducted in Spanish, European and Iberoamerican caves and mines, convening a large number of scientists and researchers in the world of geology, paleontology, engineering and tourism. The Congress Proceeding, whose different editions gather nearly 300 papers, make an indispensable collection for scholars of the subterranean world.

CUEVATUR is the perfect place for show cave managers to exchange experiences and knowledge, as well as a point of reference for those responsible for the opening of new caves, as it gathers major experts on show caves and mines.

DATES AND VENUES

The Congress will take place in La Vall d'Uixó (Castellón), from **June 20th to June 23rd, 2018** and the sessions will be held in:

Auditorium Leopoldo Peñarroja
(Edificio Cultural Leopoldo Peñarroja)

Calle Ángela Portalés Romero, s/n
12600 LA VALL D'UIXÓ
www.auditoriolavallduixo.es
TELÉFONO: +34 963536113



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**Palau de Vivel Cultural Centre
(Centre Cultural Palau de Vivel)**

Sanchis Tarazona, 35,
12600 La Vall d'Uixó (Castellón)

LA VALL D'UIXÓ

A town made up by towns

La Vall d'Uixó is located to the south of the province of Castellón, in the region of La Plana Baixa. Its top-rated commercial and services sector can be found halfway between Valencia and Castellón airports.

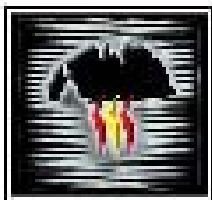
Nevertheless, its main tourist attraction is Sant Josep Caves (Coves de Sant Josep), one of Europe's longest subterranean navigable rivers. Located in Costa Azahar, in the core of the Mediterranean Sea and next to the Natural Park of Sierra de Espadán, visitors will be surprised by their reunion with nature.

The natural spot where Coves de Sant Josep are found does not only have environmental values. It is also an archaeological site declared World Heritage by UNESCO. Its historical heritage is directly related to the use of water, which connects the caves with the urban area, creating the Water Way tour and allowing everyone to know the details of the town. Moreover, springs are often considered to be magic places and Font de Sant Josep was the place for traditions and legends which define the emotional DNA of the inhabitants of this place. The subterranean river of Coves de Sant Josep and La Vall d'Uixó offer visitors material and immaterial heritage within the same environment.

Comunitat Valenciana is one of the main tourist destinations in Spain. Its wide tourist range includes both consolidated sun and sand destinations as well as interesting inland areas. Castellón province is the perfect example. Here, visitors will find cities such as Oropesa del Mar, Peñíscola, Benicasim or Moncofa, which are connected to other destinations such as Morella, Montanejos, Vilafamés or Segorbe. Natural, cultural and heritage values which can be found nearby La Vall d'Uixó.

ACCOMMODATIONS

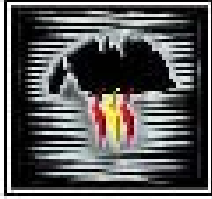
Congress attendees will be offered special rates in the following hotels:



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- **HOTEL BELCAIRE:** Located in La Vall d'Uixó, the place where the congress will take place, it is not only a very comfortable hotel but also the perfect option to learn about the city.
Av. de Europa, s/n de la Vall d'Uixó
Tel.: 964 690 032
info@hotelbelcaire.es
- **HOTEL MAR DE FULLES:** Social and eco-friendly hotel in an autochthonous paradise between beach and mountain.
Coordinates 39°49'02.02 N 0°17'25.62 W //
Apartado de correo 23 de La Vall d'Uixó
Tel.: +34 964 090 965, +34 669 211 569
info@mardefulles.es
<http://www.mardefulles.es/>
- **HOTEL PLANAPARC:** Located in Alquerías del Niño Perdido, Villareal, only 8 kilometres away from the Mediterranean coast and next to the Natural Park of Sierra de Espadán.
Tel.: +34 964 293 037
info@hotelplanaparc.es
<http://www.hotelplanaparc.com>
- **HOTEL AGH CANET:** Located in Canet d'En Berenguer, a tourist place where visitors will enjoy its beautiful beach. The hotel offers restaurant service.
Tel.: +34 962 698 558
reservas@aghcanet.com
<http://www.eventosagh.com>
- **HOTEL NH PUERTO DE SAGUNTO:** Next to Puerto de Sagunto's beach, it is a 4-star hotel which includes many different services.
Tel.: +34 962 698 384
nhpuertodesagunto@nh-hotels.com
<http://www.nh-hoteles.es/hotel/nh-puerto-de-sagunto>
- **HOTEL TRYP CASTELLÓN CENTRE:** Located in Castellón de la Plana, it is a modern hotel only 10 minutes away from the train station and Plaza Mayor.
Tel.: +34 964 342 777
tryp.castellon.center@melia.com
<http://www.melia.com/es/hoteles/espana/castellon/tryp-castellon-ceter/index.html>



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HOW TO GET TO LA VALL D'UIXÓ

You can easily get to La Vall d'Uixó from any airport or train station by taking AVSA bus service. The company's telephone number is 964 697 900 and all the information needed can be found at www.avsa.es.

There are few flights to Castellón-Costa Azahar Airport (www.aeropuerto-castellon.com). If you are getting to this airport, AUTOS MEDITERRÁNEO (www.autosmediterraneo.com) has buses which can take visitors Castellón de la Plana, where they can transfer to Castellón-La Vall d'Uixó AVSA's service.

Valencia Airport offers direct underground connections with city trains and buses (TURIA stop for buses and XATIVA stop for trains). More info can be found at www.metrovalencia.es.

Madrid-Adolfo Suarez Airport offers an underground service (www.metromadrid.es) which is linked with Madrid-Atocha train station. There, visitors will find numerous trains from Madrid to Valencia and Castellón. More info can be found at www.renfe.com

If you need any further information, please contact CUEVATUR's technical secretary or the Tourist Info Office in La Vall d'Uixó (telephone number 964 660 785),

PLANE

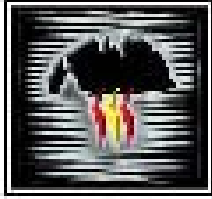
NEAREST AIRPORTS:

- Valencia - 50 km
- Castellón - 57 km
- Alicante - 228 km
- Barcelona - 299 km
- Madrid - 404 km

TRAIN (taxi or bus combination is required)

NEAREST TRAIN STATIONS:

- Moncofa - 8,4 km
- Nules-La Vilavella - 8,3 km



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- Xilxes - 8,5 km
- La Llosa - 8,7 km
- Almenara - 12 km
- Burriana - 17,5 km
- Castellón de la Plana - 26 km

BUS

AVSA Company: La Vall d'Uixó-Castellón and La Vall d'Uixó-Valencia lines

BY ROAD

FROM BARCELONA

- E-15/AP-7 to Comunidad Valenciana for 301 km
- Exit 49 onto N-340/N-225/la Vall d'Uixó/Moncofa

FROM VALENCIA

- E-15/A-7/AP-7 to Castellón/Barcelona for 40,5 km
- Exit 287 onto la Vall d'Uixó/ Xilxes/ Chilches

FROM MADRID

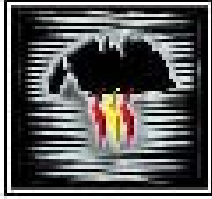
- A-3 y A-7/AP-7 to Comunidad Valenciana for 388 km
- A-7/AP-7 to Castellón/ Barcelona for 38 km
- Exit 287 onto la Vall d'Uixó/ Xilxes/ Chilches/ Segorbe

DESDE ZARAGOZA

- A-23 to N-225 in Comunidad Valenciana for 260 km
- Exit 18 onto N-225 to Castellón/ Algar for 18,6 km
- Exit CV-230 to la Vall d'Uixó

HONORARY COMMITTEE

- HM Queen of Spain
- Mayor of the Council of La Vall d'Uixó
- President of the Generalitat Valenciana
- Minister of Energy, Tourism and Digital Agenda
- Secretary of State for International Cooperation and Ibero-America



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- Secretary of State for Tourism
- Regional Valencian Ministry of Agriculture, Natural Environment, Climate Change and Rural Development
- President of *Agència Valenciana del Turisme*
- Director of the Agency for International Development Cooperation
- President of the Honourable Provincial Government of Castellón
- Director of the Geological and Mining Institute of Spain
- Rector of the Polytechnic University of València
- Rector of the University of València
- Rector of Jaume I University
- President of the International Show Caves Association (I.S.C.A)
- President of the Ibero-American Show Caves Association (actiba)
- President of the Federation of Speleology of the *Comunitat Valenciana*

ORGANIZING COMMITTEE

Coordinator:

- Manuel Durán Hidalgo, ***President of the Spanish Show Caves Association (ACTE)***

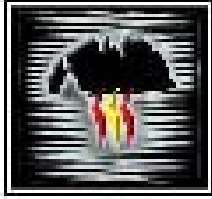
Members:

- Juan José Durán Valsero, **President of active and Vice president of ACTE**
- Rafael Pagés Rodríguez, **Vice president of ACTE**
- Ovidio Altable Argüelles, **Secretary of ACTE**
- Jorge García Fernández, **Emsevall's Managing Director and Councillor for *Ciutat Activa* of La Vall d'Uixó**
- Higi Daniel Garcés, **Councillor for Tourism of La Vall d'Uixó**
- Pedro A. Robledo Ardila. **Geological and Mining Institute of Spain and Delegate of Institutional Relations of ACTE and actiba**
- Alba Fas Botías, **Coves de Sant Josep promoter, La Vall d'Uixó**

SCIENTIFIC COMMITTEE

President:

- Dr. Pedro A. Robledo Ardila. Geological and Mining Institute of Spain

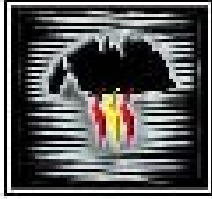


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Members:

- Dr. Ana M^a Alonso Zarza. Complutense University of Madrid
- Dr. Bartolomé Andreo Navarro. University of Málaga
- Dr. José Miguel Andreu Rodes. University of Alicante
- Dr. Aranxa Aramburu Artano. University of País Vasco
- Dr. José Benavente Herrera. University of Granada
- Dr. Francisco López Bermúdez. University of Murcia
- Dr. José María Calaforra Chordi. University of Almería
- Dr. Juan Carlos Cañaveras Jiménez. University of Alicante-CSIC
- Dr. Luis Carcavilla Urqui. Geological and Mining Institute of Spain
- Dr. Francisco Carrasco Cantos. University of Málaga
- Dr. José Antonio Cuchí Oterino. University of Zaragoza
- Dr. Juan José Durán Valsero. Geological and Mining Institute of Spain
- Dr. Ángel Fernández Cortés. National Museum of National Science (CSIC)
- D. Esteban Faci Aparicio. Government of Navarra
- Dr. Policarp Garay Martín. *Generalitat Valenciana*
- Dr. Alfonso Hortelano Mínguez. University of Salamanca.
- Dr. Montserrat Jiménez Sánchez. University of Oviedo.
- Dr. Jesús Francisco Jordá Pardo. National Distance Education University (UNED)
- Dr. Valme Jurado Lobo. Inst. of Natural Resources and Agrobiology (CSIC-IRNA, Sevilla)
- Dr. Jerónimo López Martínez. Autonomous University of Madrid
- Dr. Wenceslao Martín Rosales. University of Granada
- Dr. Roberto Ontañón Peredo. Government of Cantabria
- Dr. Enrique Orche García. University of Vigo
- Dr. Eulogio Pardo Igúzquiza. Geological and Mining Institute of Spain
- Dr. Félix Pérez Lorente. University of La Rioja
- Dr. Antonio Pulido Bosch. University of Almería
- Dr. José Ramos Muñoz. University of Cádiz
- Dr. Joaquín Rodríguez Vidal. University of Huelva
- Dr. José Luis Sanchidrian Torti. University of Córdoba
- Dr. Enrique Serrano Cañadas. University of Valladolid
- D. Juan Sergio Socorro Hernández. Museum of Nature and Man. Tenerife
- Dr. Juan Ramón Vidal Romaní. University of A Coruña
- Dr. Cristina Liñán. Nerja Cave Foundation
- Dr. Iñaki Vadillo Pérez. University of Málaga
- Dr. Jesús Miguel Soria Mingorance. University of Alicante
- Dr. Ramón Roselló Mora. CSIC-IMEDEA
- D. Manuel Francesc Navarro del Alar. *Centre d'Estudis Vallers*



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- D.^a María Luisa Rovira Gomar. Archaeological Museum of La Vall d'Uixó
- D. Josep A. Casabó Bernad. Department of Education, Research, Culture and Sport, Generalitat Valenciana
- Dr. Ignacio Morel Evangelista. *Universitat Jaume I*
- Dr. Raquel Morales García. IGME
- D.^a Flor Árcega Cabrera. UNAM
- Dr. Eduardo Adolfo Batllori Sampedro. SEDUMA
- Dr. Jorge Romero Herrera. SEFOTUR
- Dr. Pilar Orche Amaré. Regional Government of Andalusia and SEDPGYM
- D. Rafael Pagés Rodríguez. Junta de Extremadura. ACTE. ISCA
- Dr. Sergio Martos Rosillo. . Geological and Mining Institute of Spain
- D. Roberto Martínez Orió. . Geological and Mining Institute of Spain
- Dr. Luis Moreno Merino. . Geological and Mining Institute of Spain
- Dr. Antonio González Ramón. . Geological and Mining Institute of Spain

CHARACTERISTICS OF THE CONGRESS

The Congress will consist on sessions which will take place in three days. They will include the presentation of scientific and technical papers, poster sessions, guest lectures and other official and social events. During congress dates, short trips will also be conducted, including the visit to Sant Josep subterranean river (Coves de Sant Josep) and other post-congress tours.

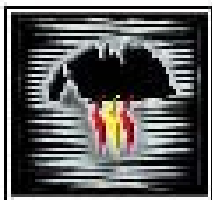
OFFICIAL LANGUAGES

Spanish will be the official language during the Congress. Exceptionally and considering the origin of the author, Portuguese and English may be accepted for communications or poster presentations.

EXHIBITIONS

During the Congress, different exhibitions will be held in La Vall d'Uixó. Venues and schedules will be provided together with the congress guide.

- “Exhibition of the Spanish Speleology Museum”
- “The Subterranean River. The secret cave”
- “The Water Way”
- “Tourist landscapes in the Valencian Community”, Sagrada Família Cultural Centre



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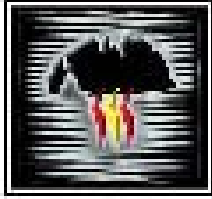


Opening with the attendance of the Mayor of the Council of La Vall d'Uixó, Tania Baños, the President of *Agència Valenciana del Turisme*, Francesc Colomer Sánchez and the Vice Chancellor of Territorial Projection of the Universitat de València, Jorge Hermosilla Pla.

Agència Valenciana del Turisme and the Council of La Vall d'Uixó will sign the Collaboration Agreement to adapt and improve Coves de Sant Josep.

GUEST CONFERENCES

LECTURER	CONFERENCE
Brad Wuest (USA), President of the International Show Caves Association	Worldwide Subterranean Tourism
Heros Lobo (Brazil), Professor at Universidade Federal de Sao Carlos	The management of Ibero-American show caves
Joëlle Darricau (France), I.S.C.A. – Chairman of International Commission on Prehistory in Show Caves	Caves and the Subterranean World. Cultural Heritage Networks
Mario Verole Bozzello (Italy), Gruta del Vento and delegate of the Associazione de Grotte Turistiche Italiane	The Subterranean Tourism model in Italy
Josep Casabó (Spain), Archaeologist, Department of Education, Research, Culture and Sport, Generalitat Valenciana	Rock Art of the Mediterranean Basin
Juan José Durán Valsero (Spain), President of actiba	Geoparks and Show Caves. A new Alliance
Policarp Garay (Spain), Geologist, Servei T. de Medi Ambient de la Generalitat de Valencia	Hypogene caves
Jorge García Fernández (Spain), Emsevall's Managing Director, La Vall d'Uixó	The tourism model in La Vall d'Uixó
Eric S.Torres , (México). Chief of the Department of Karstic System Management (México)	Tourist development and use regulations of cenotes in the State of Yucatán
Raúl Temprano (Spain), Manager of Guheko	Marketing resources and trends applied to the subterranean tourism



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SCIENTIFIC AND TECHNICAL SESSIONS

- Technical-scientific session on subterranean tourism in Ibero-America
- ISCA Board Meeting
- EFIP Meeting

TOURS DURING THE CONGRESS

- **COVES DE SANT JOSEP AND THE WATER WAY.** Technical visit to Sant Josep subterranean river (Coves de Sant Josep) and tour following the route of the former irrigation canal, which starts in Coves de Sant Josep. Along the tour, many patrimonial ensembles will be visited: *Aigualit's* set of Roman aqueducts and medieval watermills; *L'Alcudia* and *Zeneta*, neighborhoods of Muslim origin as well as *Benizahat* tower; the Church of *Santo Àngel*, where José Vergara's frescos of the XVIII century can be found; the Church of *Nuestra Señora de la Asunción*, with an impressive neoclassical architecture and where its bell tower stands out as symbol of the town; and manor houses such as *Palau de Vivell* or the house of the Count of Ripalda, in addition to an important industrial heritage.

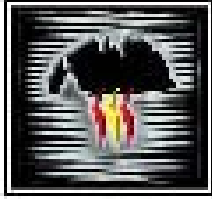
Congress attendees will have the opportunity to freely visit Sant Josep subterranean river during congress dates.

TOURS AFTER THE CONGRESS

- **PEÑÍSCOLA-COLUMBRETES.**

Peñíscola is one of the main tourist attractions in the North of the *Comunitat Valenciana*. The city, an spectacular Templar fortress, was founded on a península next to the Natural Park of *Sierra de Irtia*, one of the latest virgin enclaves in the Spanish Mediterranean coast. It became refuge for Pope Benedic XIII, known as Pope Luna, during the Western Schism. The historical and natural environment of Peñíscola became the setting in different films and TV series, as for example the last season of *Game of Thrones*. From Peñíscola, we will head for the volcanic archipelago of Columbretes islands.

The Nature Reserve of Columbretes is a group of islands which constitutes one of the most important protected areas in the *Comunitat Valenciana* and in



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the archipelagoes found in the Mediterranean, especially due to its biodiversity. The four volcanic islands are: *Illa Grossa*, *La Ferrera*, *La Foradada* and *El Carallot*, and they are located 30 miles (49 kilometres) off Oropesa del Mar, in front of the coast of Castellón. Additionally, many reefs and sandbanks can also be found, whereas numerous craters and volcanic chimneys are common elements in the orography of Columbretes Islands.

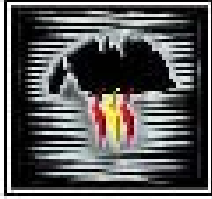
AUDIOVISUAL PRESENTATIONS

Audiovisual presentations on the subterranean world made between 2017 and 2018.

AWARDS AND DISTINCTIONS

- Best Congress communication
- Best Congress communication related to *Comunitat Valenciana*
- ALFONSO XII Award to Excellence in the Subterranean World





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AGENDA

June 2018

JUNE 20th, WEDNESDAY

Important; Those lecturers willing to take their credentials can attend Auditorium Leopoldo Peñarroja from **5pm to 8pm**.

Venue: Salón de plenos municipal (Plenary Chamber), **Auditorium Leopoldo Peñarroja**, calle Ángela Portalés Romerom s/n, 12600 La Vall d'Uixó.

9:00–13:00 ISCA Board meeting

13:00–15:00 Lunch

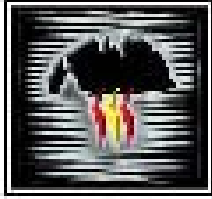
15:00–17:00 ISCA Board meeting

Venue: **Palau de Vivel, calle Sanchís Tarazona**

18:30–20:00 Official welcome. Presentation of “The Water Way”, by *Centre d'Estudis Vallers* in collaboration with students of the Professional Music School “Frances Peñarroja. Honour wine will be offered by the Mayor of the Council of La Vall d'Uixó.

Venue: **Auditorium Leopoldo Peñarroja**, calle Ángela Portalés Romerom s/n, 12600 La Vall d'Uixó.

22:30 Audiovisual 3D: World's caves. For the benefit of *AFANIAD*, Families with disabled Children and Adults in La Vall d'Uixó



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JUNE 21ST, THURSDAY

Venue: **Auditorium Leopoldo Peñarroja**, calle Ángela Portalés Romerom s/n,
12600 La Vall d'Uixó

8:30 Credentials and guest reception

9:30–11:00 **Opening**

- 9:30–10:00 Opening conference: **Geoparks and Show Caves. A new Alliance**. Juan José Durán Valsero, President of actiba and Deputy Director of IGME
- 10:00-10:30 Congress opening
- 10:30-11:00 “The tourism model in La Vall d'Uixó”. Jorge García (Spain). Emsevall's Managing Director

11:00–11:30 Coffee break

11:30–14:00 - 1st scientific session

11:30-11:45 González Ramón, A. et al. **Speleogenesis in the caves of Sierra Morena (Málaga, South of Spain). Hydrogeological implications.**

11:45-12:00 Jiménez de Cisneros C. et al., **Current speleothem dynamic in the Cave of Nerja (Málaga, España).**

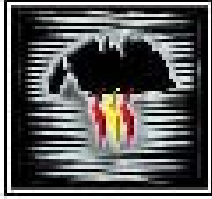
12:00-12:15 Jiménez de Cisneros C. et al., **Physicochemical and mineralogical characteristics of the outer floor in the Cave of Nerja (Málaga, España).**

12:15-12:30 Gazquez, F et al. **Low-temperature hydrothermalism during the formation of underwater speleothemes in Gruta de las Maravillas (Aracena, Huelva).**

12:30-12:45 Pardo-Igúzquiza, E. et al. **Caves as fractals: the added value of show caves for the dissemination of research and education**

12:45-13:00 García Menéndez O. et al. **Artificial recharge harnessing of flood waters in the karstic system of Sant, la Vall d'Uixó, Castellón**

13:00-13:15 Álvarez, I. et al. **Methodology for the definition of the protection perimeter for karstic systems with cave art: the cave of Cuevas de Alkerdi (Navarra, España).**



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13:15-13:30 Morales, R. et al. **Hydrochemical analysis of endokarstic water in Cova de s'Aigo, Ciutadella (Menorca)**

13:30-14:00 CONFERENCE. **Hypogene caves.** Policarp Garay. Geologist, Servei T. de Medi Ambient de la Generalitat de Valencia

14:00-16:00 Lunch. Rice tasting

16:00-18:00 - 2nd scientific session

16:00-16:15 Robledo Ardila, P.A. et al. **Geomorphology in Cova de s'Aigo, Cala Blanca, Menorca.**

16:15-16:30 Martín Pinto, E. et al. **Geoparks and caves. Proposal for the development of protected subterranean natural areas.**

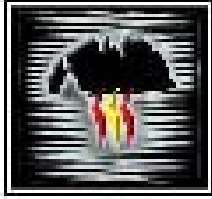
16:30-16:45 Fernández Amo, F.J. et al. **Geomining route of places of scientific interest between *Minas de Santa Marta y Minas de Burguillos del Cerro* (Badajoz, Extremadura).**

16:45-17:00 Dorado Martínez, M.P. et al. **Geomining Museums in Extremadura cavities.**

17:00-17:15 Orche Amaré, P. et al. **Water mines in Carmona (Sevilla): a valuable asset secret in Seville's *Campiña*.**

17:15-17:30 Orche Amaré, P. et al. **Guided visits to *La Lima*'s iron mine: an approach to mining in *El Pedroso* (Seville) at the turn of the 19th and 20th centuries.**

18:00-20:00 Tour "**Coves de Sant Josep and The Water Way in La Vall d'Uixó**"



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JUNE 22ND, FRIDAY

Lugar: **Auditorium Leopoldo Peñarroja**, calle Ángela Portalés Romerom s/n,
12600 La Vall d'Uixó

9:00-11:00 - 3rd scientific session

9:00-9:30 CONFERENCE: **The management of Ibero-American show caves.** Heros Lobo (Brazil). Professor at Universidade Federal de Sao Carlos

9:30-9:45 Ramón Rosselló-Móra et al., **Characteristics of the microbial community in Sa Cova des Pas de Vallgornera**

9:45-10:00 Santos Lobo, H. et al. **Percepção de lotação e suas contribuições para a capacidade de carga social em cavernas turísticas brasileiras: primeiros resultados (Crowd perception and contribution to tourist carrying capacity in Brazilian caves: Preliminary results**

10:00-10:15 De la Losa, A. et al. **Agressiveness of chemical products used in the removal of lampenflora through electric conductivity measures.**

10:15-10:30 Baquedano Estévez, C. et al. **The fight against lampenflora in Spanish show caves.**

10:30-11:00 CONFERENCE: **Tourist development and use regulations of cenotes in the State of Yucatán.** Eric S.Torres, (México). Chief of the Department of Karstic System Management (México)

11:00-11:30 Coffee break

11:30-13:30 - 4th scientific session

11:30-11:45 Jorge, N. A. **Renewal of tourist destinations – Caves as the centre of tourist complexes**

11:45-12:00 Ojeda Rodríguez, L. et al. **Conditioning and installation of a laser-based spectroscopy equipment (CO₂, CH₄, δ¹³ C-CO₂ y δ¹³ C - CH₄) in the cave of Nerja (Málaga)**

12:00-12:15 Giménez Portero, Reyes, et al., **Preliminary results on the environmental monitoring in Cueva de las Gúixas (Villanúa, Pirineo central)**

12:15-12:30 Navarrete-Martín, E. et al. **Energy efficiency of the lighting system in Gruta de las Maravillas (Aracena, Huelva): a step further towards sustainable tourism.**



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12:30-12:45 Jordá Bordehore, R. et al. **Study on the stability of the Natural Monument *Mina de la Jayona* (Fuente del Arco, Badajoz).**

12:45-13:00 Torres A. et al., ***Gruta de las Maravillas* and the management of Aracena's tourist development.**

13:00-13:15 Kadiri, M. et al. **Project for the tourist activity in La Grotte du Chameau Berkane (Morocco)**

13:15-14:00 CONFERENCE: ***Worldwide Subterranean Tourism***, Brad Wuest (USA), ISCA President

14:00-16:00 Lunch (not provided by the organization)

16:00-18:00 - 5th scientific session

16:00-16:15 Fas Botias, A. **Towards a new culture of subterranean tourism.**

16:15-16:30 Palomo, Y. ***Villanúa* tourism: Development and Innovation in Cueva de las Güixas.**

16:30-16:45 Palomo, Y. **Renovation of tourist destinations – Caves as centre of holiday resorts.**

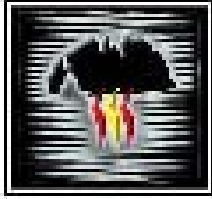
16:45-17:00 Casabó Bernad, J. A. y Rovira Gomar, M.L. **The first human settlements in Coves de Sant Josep (La Vall d'Uixó, Castelló).**

17:00-17:15 Machause López, S. **The caves surrounding the iberan settlement of Sant Josep (La Vall d'Uixó): ¿Ritual or auxiliary places?**

17:15-17:45 CONFERENCE: ***Rock Art of the Mediterranean Basin***. Josep Casabó, Archaeologist, Department of Education, Research, Culture and Sport, Generalitat Valenciana

18:00-19:00 AUDIOVISUAL PRESENTATIONS

21:00 OFFICIAL CONGRESS DINNER. “Les Moreres” Restaurant.
Passeig de les Grutes, 2, 12600 la Vall d'Uixó



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JUNE 23RD, SATURDAY

Lugar: **Auditorium Leopoldo Peñarroja**, calle Ángela Portalés Romerom s/n,
12600 La Vall d'Uixó

9:30-11:00 - 6th scientific session

9:30-9:45 Espín de Gea, A. et al. **Opening of the new acces to the cave in the Port of Calasparra (Murcia), a technological challenge from the geophysical initial research to the excavation method of the access tunnel.**

9:45-10:00 García Fidalgo, M.P. et al. **Cueva de Valporquero 50 + 1 (1966 – 2017). Development in the management of the tourist resource.**

10:-10:15 Ros, A. et al. **Technical Information Point (TIP_NFC) using NFC technology in cavities and new topography marks.**

10:00-10:30 Fuente, I. et al. **Subterranean cavities, radon and the new European directive.**

10:30-10:45 CONFERENCE: **The Subterranean Tourism model in Italy.** Mario Verole Bozzello (Italia), Gruta del Vento and delegate of the Associazione de Grotte Turistiche Italiane

11:00-11:30 Coffee break

11:30-12:30 -7th scientific session

11:30-12:00 CONFERENCE: **Marketing resources and trends applied to the subterranean tourism.** Raúl Temprano (Spain), Manager of Guheko

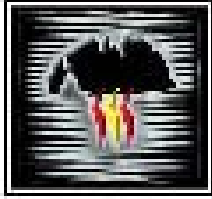
12:00-12:15 Rodrigues de Araujo, H. et al. **Gestão de grutas turísticas: caracterização de casos existentes no Brasil, Portugal e Espanha (Management of show caves: characteristics of Brazilian, Portuguese and Spanish caves).**

12:15-12:30 Jordá Bordehore, R. et al. **Proposal of alternative mining routes for tourist use in the mines of La Florida, Cantabria.**

12:30-13:00 CONFERENCE: **Caves and the Subterranean World. Cultural Heritage Networks.** Darricau, J. (Francia) I.S.C.A. - Chairman of International Commission on Prehistory in Show Caves

13:00-13:30 Congress closing ceremony

13:30-14:30 **ACTE** and **actiba** assembly



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JUNE 24TH, SUNDAY

AFTER-CONGRESS TOURS

PEÑISCOLA-COLUMBRETES ISLANDS (*PARC NATURAL DE LES ILLES COLUMBRETES*)

REGISTRATION

From March 27th the registration period will be opened at www.cuevatur2018.es

Fees are as follow:

General registration fee	200 €
Reduced registration fee: only for members of ACTIBA, ACTE, ISCA and other collaborating entities, as well as for lecturers (1 registration per communication).	150 €
Students registration fee	50€ (1)

Registration fees include conferences and communications. Lunch on June 21st and congress official dinner on June 22nd.

(1) Students registration fee includes conferences and communications. Lunch on June 21st and congress official dinner on June 22nd are not included. If you wish to attend you shall ask for a place when getting your credentials and pay the pertinent fee. It will be subject to availability.

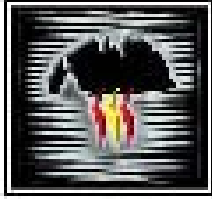
TOURS:

Reservations for after-congress tours can be made at www.cuevatur2018.es. Date: 24th June 2018. Places are limited.

PAPER PUBLICATIONS

Papers presented at the Congress and accepted by the Scientific Committee - after review- will be published in a book presented to the audience during the celebration of CUEVATUR 2018.

Full formalization of Congress registration by at least one of the authors will be essential for paper acceptance and later publication.



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