

# VIII INTERNATIONAL WORKSHOP ON ICE CAVES

11-16 June, 2018

Potes, Picos de Europa, Spain

<https://eventos.uva.es/go/iwic8>



The workshop on Ice Caves is a nice opportunity for the exchange of ideas and advances in research on ice caves. The objective is to establish contacts and links between researchers during the IWIC, examining the state of the art, the applied techniques to investigate on ice caves and relevant case studies, with special emphasis on promoting international cooperation. It is the ideal setting for the exchange of experiences and the presentation of results about the regional or thematic knowledge. During the workshop, the scientific sessions alternate with visits to ice caves in Picos de Europa and karst environments in the coastal and the Cantabrian Mountains, northern Spain.

The workshop is sponsored by the Glacier, Firn and Ice Caves Commission of the International Union of Speleology (UIS). For fourteen years the workshop is held every two years, and previously has been celebrated in Cluj-Napoca (Romania, 2004), Liptovský Mikuláš (Slovakia, 2006), Russia (2008), Obertraum (Austria, 2010), Grigna-Milan (Italy, 2012), Idaho Falls (USA) and Postojna (Slovenia, 2016)

## AGENDA

- Sunday, June 11/06: Workshop opening and Cave Ice Breaking Party.
- Tuesday, June 12/06: sessions and field trip to Asturian litoral karst and Cobijeru cave
- Wednesday, June 13/06: sessions and field trip to El Soplao tourist cave. Speleological special visit.
- Thursday, June 14/06: sessions and field trip to the Picos de Europa National Park: Áliva Meadows, Karst, glacial landforms and landscape.
- Friday, June 15/06: Whole day field trip to Castil ice cave and high mountain karst.
- Saturday, June 16/06: Whole day field trip to ice caves or Las Gramas Mines.



## IMPORTANT DATES AND DEADLINES

Registration with reduced rate: until February 1st. 2018

Submission of abstracts: until March 1st. 2018

Acceptance of abstracts: March 15. 2018

Second circular: April 1st. 2018

Registration with full rate: until May 30. 2018

Opening of the Workshop: June 11.

## SESSIONS

- Glacier ice caves
- Ice caves on karst environments
- Ice caves biology and biodiversity
- Ice caves regional distribution and inventories
- Heritage and show ice caves
- Other subjects on ice caves

## ORGANIZATION

PANGEA-UVa, Natural Heritage and Applied Geography Research Group,  
University of Valladolid. Department of Geography-UVa  
CES Alfa (Center for Speleological Exploration Alfa, Madrid)  
Glacier, Firn, and Ice Caves Commission of the International Union of  
Speleology (UIS)

## ORGANIZING COMMITTEE

### Address

Department of Geography  
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47011 Valladolid, Spain

### Persons

Enrique Serrano (DGUVA, PANGEA-UVA, Valladolid)  
Alfonso Pisabarro (DGUVA, PANGEA-UVA, Valladolid)  
Adrián Martínez Fernández (DGUVA, PANGEA-UVA, Valladolid)  
Manuel Gómez Lende (PANGEA-UVA, Valladolid)  
Javier Sánchez (CES ALFA, Madrid)  
Luis Jordá Bordehore (IGME, Madrid)  
Rafael Jordá Bordehore (Geólogos del Mundo, Madrid)  
María José González Amuchastegui (UPV, Vitoria)

### Workshop website

UVA Eventos: <https://eventos.uva.es/iwic8>

Pangea: [https://www5.uva.es/gir\\_pangea/](https://www5.uva.es/gir_pangea/)



## Contact

### Contact persons

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### Fieldtrip information contact persons

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## SCIENTIFIC COMMITTEE

### Ice caves

Prof. Dr. Walter Maggi  
(UIS, University of Milan, Italy)

Prof. Dr. Bulat Mavlyudov  
(Russian Academy of Science).

Prof. Dr. Stein-Erik Lauritzen  
(University of Bergen, Norway)

Dr. Aurel Perşoiu  
(University of Cluj Zapoca, Romania)

Dr. Zoltan Kern  
(University of Budapest, Hungary)

Dr. Mihail Mihevjc  
(ZERN.UCN, Slovenia)

Dr. Marc Luetcher  
(Univ. Innsbruck, Austria)

Dra Sanda Iepure  
(IMDEA, Alcalá de Henares, Madrid)

Dr. Manuel Gómez Lende  
(PANGAEA-UVA, Valladolid)

Dra. Ana Moreno  
(IPE, CSIC, Zaragoza)

Dr. Anchel Belmonte  
(Geopark Sobrabe, Huesca)

Dr. Carlos Sancho  
(UNIZAR, Zaragoza)

Dr. Mikel Bartolomé  
(IPE, CSIC, Zaragoza)

### Karst and caving

Dr. Roberto Cerdeño  
(CES Alfa, IGN, Madrid)

Dra. Isabel Ortega  
(CENIEH, Burgos)

Dra. Carmen Domínguez  
(University of Salamanca)

Dr. Luis Jordá Bordehore  
(IGME, Spain)

### Picos de Europa

Dr. Daniel Ballesteros  
(Uniovi, Oviedo)

Dr. Juan José González Trueba  
(CIESE, Cantabria)

## COLLABORATION

University of Valladolid

Picos de Europa National Park (PNPE-OAPN)

Centro de Estudios Lebaniegos (Potes, Cantabria)

EPM El Soplao, S.L



## WORKSHOP PLACE

The workshop will be held in Potes (Cantabria), in the Liebana valley, located in the Cantabrian Mountains, and next to the calcareous massif of Picos de Europa. Potes is the door to the Picos de Europa National Park.

### Centro de Estudios Lebaniegos (Liebana Study Center)

Ancient San Vicente Church (XIV century)

Address: Calle de Sta. Olaja, 39570 Potes (Cantabria)

(<https://www.caminolebaniego.com/camino-lebaniego/centro-de-estudios-lebaniegos>)



Centro de Estudios Lebaniegos, Potes



Infantado Tower, Potes

## 2. REGISTRATION

The registration fees of the IWIC VIII include documentation, access to all sessions and presentations fieldtrips, visits to the tourist cave of El Soplao, coffee breaks, welcome ceremony and farewell dinner.

The fees don't include lunches, lunches during fieldtrips and accommodation in Potes.

Registration fee		
	Before February 1	After February 1
Regular	300 €	400 €
Students	100 €	200 €
Companions**	200 €	300 €

\*\* The inscription includes: fieldtrips, visit to the tourist cave of El Soplao, welcome ceremony and farewell dinner.

### Registration and Payment

Registration and payment will be made by bank transfer from workshop website: <https://eventos.uva.es/go/iwic8>



### 3. PLANNING

Monday, June 11	
17:00.	Registration of participants and documentation.
19.00	Workshop opening
19:30.	Cave Ice Breaking Party
Tuesday, June 12	
8:00-12.30	Registration of participants
8:30-9:00.	Opening of the lectures and scientific sessions
8.30-12.30	Lectures and Scientific sessions
14:30-20.30	<p><b>Field trip 1. Asturian litoral karst and Cobijeru cave:</b></p> <p>1. Pimiango. Litoral landscape and Karst. 2. Buelna: Litoral karst and Cobijeru cave.</p> <p>Start at Bus station of Potes (bus &amp; walk; easy horizontal cave, headlamp is needed, walking shoes)</p>
Wednesday, June 13	
9:00-12.30	Scientific sessions
14.30-20.30	<p><b>Field trip 2. Visit to El Soplao tourist cave. Speleological special visit.</b></p> <p>Start at Bus station of Potes (bus &amp; walk; tourist cave with special visit to not adapted paths, walking shoes and headlamp are recommended)</p>
Thursday, June 14	
9.00-13.00	Scientific sessions and Posters
15:00-20:30.	<p><b>Field trip 3. Visit of Picos de Europa National park: Áliva Meadows, Karst, glacial landforms and landscape.</b></p> <p>Start at bus station of Potes.</p> <p>1. Pido-Fuente De: modelado glaciar, morrenas de Pido. 2. Cable-car to Fuente Dé-Lloroza. Karst landscape. 3. Horcadina de Covarrobres- Áliva-.Espinama.</p> <p>Four hour walk (all go down) from upper station of Fuente De to the Espinama village, by path. Walking shoes, warm and rainproof coat are recommended.</p>
Friday, June 15	
8.00-20.00	<p><b>Field trip 4. Whole day field trip to Castil ice cave and high mountain karst;</b></p> <p>Start at Bus station of Potes. Bus &amp; walk by a four hour steep path and rough karst surface, visit through steep entrance where crampons are recommended, joint to headlamp, walking shoes, warm and rainproof coat.</p> <p>Include a long ascend and mountain walks in steep terrain which require a certain degree of fitness.</p>
9:00.	Farewell dinner
Saturday, June 16	
8.00-20.00	<p><b>Field trip 5. Whole day field trip to ice caves and Las Gramas Mines.</b></p> <p>Start at Bus station of Potes. Bus &amp; walk by rough karst surfaces, visit of cave or mine totally equipped with ropes. Lamp, walking shoes, and rainproof coat.</p> <p>1. Cable Car from Fuente Dé to Lloroza. 2. Ice caves, Grama Mine and high mountain karst landscape.</p> <p>5.1. Option 1. <b>Speleological visit to the Gramas Mine</b>, abandoned one hundred years ago, visit inside mining works that intercept karstic potholes. Equiped vertical passages, speleological equipment is necessary. Expert and begginer cavers. 5.2. Option 2. <b>Speleological visit to Altaiz Ice Cave</b>. Vertical cave (70 m depth) <u>only for very expert caverns</u> with own complet speleological equipment. 5.3. Option 3. <b>Visit to the ice cave entrance, external minning complex</b> and easy galleries.</p> <p>Headlamp is recommended.</p>

More information on field trip and participation limitations in:

<https://eventos.uva.es/go/iwic8>



#### **4. ABSTRACTS SUBMISSION**

Abstracts will have a maximum length of one page of text (3000 characters), headed by the author's name and address. Model to find in:

<https://eventos.uva.es/go/iwic8>

Abstracts will be presented in English, along with the registration form. Participants should indicate the type of presentation preferred (oral or poster), but the final decision will be made by the organizers. The abstracts will be published together with the Program and the Field Guide, which will be delivered together with the conference documentation.

The full papers in English, delivered before November 30, 2018, could be published in a special issue on Ice Caves of the journal Geographical Research Letters-Cuadernos de Investigación Geográfica (Emerging Sources Citation Index, ISSN: 0211-6820), where they must pass the peer review (<https://publicaciones.unirioja.es/ojs/index.php/cig/index>).

#### **5. VENUE**

##### **Potes**

Potes is a famous tourist village of 1560 inhabitants located in the Liebana valley, the heart of Cantabrian Mountains, and the door to the Picos de Europa National Park. Potes is a middle age village conserving an historical nucleus and castle tower in the centre. The village has a famous cattle market and it is located at 15 km of the Fuente Dé cablecar.

There is documentation of Potes from the year 847 and in 947 is mentioned the church of San Vicente (place of the IWIC meeting, rebuilt in the XVII century) as a dependency of the Monastery of Santo Toribio. Potes was rebuilt after the Civil War, but the historic center has been listed as a Historic Site since 1983. The Torre del Infantado and the town, with numerous buildings of interest in the neighborhoods of La Solana or El Sol, stand out. Present day Potes is a tourist village that receives visitors interested in nature and adventure tourism. The main attractive are the nature, the gastronomy and history. The Monastery of Santo Toribio de Liébana is an important pilgrimage place for Christianity since the XVI century. However, the village is the most important place to access to the mountain to practise climbing and hiking, activities that bring thousands of tourists every year. <http://www.spain.info/en/que-quieres/ciudades-pueblos/otros-destinos/potes.html>

##### **The Picos de Europa National Park**

The Picos de Europa National Park is located in the cantabrian Mountain, including territories of Catilla y Leon, Asturias and Cantabria. It is the oldest National Park in Spain, becoming 100 years old in 2018. The Picos de Europa is a calcareous massif with summits reaching 2748 m in the Torre Cerrredo peak. Picos de Europa is a famous place to practise caving, where are located twelve caves more than 1000 m deep. Limestone, glacial and karst morphology

in an Atlantic mountain, besides Atlantic forests, beech and oak groves, and pastures. <http://www.thepicosdeeuropa.com/national-park>

### Transport from airports and railway stations:

You can book your transfer from Santander (150 kms) or Bilbao (220 kms), both with International Airport and Railway Station, to Potes and back through the travel agency *Turismo de Cantabria*, which offers competitive prices. Bus connections from Santander are possible every day.

#### Air connections to Santander and Bilbao

SANTANDER airport	BILBAO airport	
<b>Barcelonne</b> <b>London</b> <b>Bruxelles</b> <b>Edimbourg</b> <b>Rome</b>	<b>Amsterdam</b> <b>Barcelonne</b> <b>Bristol</b> <b>Bruxelles</b> <b>Dusseldorf</b> <b>Frankfurt</b> <b>Lisbon</b>	<b>Londons</b> <b>Manchester</b> <b>Madrid</b> <b>Munich</b> <b>Paris</b> <b>Valencia</b> <b>Zurich</b>

#### Train connections to Santander and Bilbao

SANTANDER	BILBAO
Madrid	Madrid Barcelonne

#### Bus Connections Santander-Potes:

DEPARTURES	From Santander	From Potes
	10:15	07:00
11:00	08:30	
15:15	09:30	
17:00	16:15	
	17:45	

For more information, contact the agency by e-mail:

<https://www.turismodecantabria.com/>

### Accommodation for participants

Participants are requested to book their accommodation through the travel agency (<https://www.turismodecantabria.com/descubre/oficinas-de-turismo>). Potes offer several accommodation possibilities: 14 Hotels, 19 Rural Guest Houses and 3 Campings.

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