

26<sup>th</sup> International Karstological School "Classical Karst"  
**SHOW CAVES AND SCIENCE**

**SECOND CIRCULAR**



Postojna, June 18<sup>th</sup> to 22<sup>nd</sup> 2018

# PROGRAMME

**Monday, 18<sup>th</sup> June 2018**

8:00-13:00	<b>Registration</b>	Cultural Centre Postojna	
9:00	<b>Opening ceremony &amp; 200 years of Postojnska jama</b>		
9:20	<b>Introductory talk &amp; Keynote lecture</b> M. Batagelj: <i>200 years of Postojnska jama tourism and present-day challenges</i> A. Mihevc: <i>Tourism and cave and karst science in Postojna</i>		
9:50	<b>Session 1 (Show caves &amp; science)</b> A. Kranjc: <i>"Scientific" research in show caves of Slovenia – from the Antiquity to the end of the 19<sup>th</sup> century</i> A. A. Cigna: <i>Science and show caves</i> S.-E. Lauritzen: <i>Karst resources, tourism and conservation in Norway</i>		
11:20	<i>Coffee break</i>		
12:00	<b>Session 2 (Visiting-underground interaction)</b> R. Cerkvenik: <i>Impacts of Visitors on Cave's Physical Environment</i> S. Šebela: <i>Nearly 10-years of air temperature monitoring in Postojnska Jama and Predjama (2009 – 2018)</i> F. Gabrovšek et al.: <i>Micro-meteorology of Postojnska jama, Slovenia: Instrumentation, Driving forces and Characteristics</i> M. Prelovšek: <i>Impact of anthropogenic CO<sub>2</sub> increase on speleothem deposition</i>		
13:20	<i>Lunch</i>		
15:20	<b>Session 3 (Show caves of the world)</b> M. El Kadiri Boutchich et al.: <i>The reopening of Chameau Cave (Zegzel, Berkane, Morocco)</i> D. Cailhol et al.: <i>Grotte de Saint-Marcel: a major French cave system for Speleology, Sciences, Tourism and Education</i> M. Kalantari et al.: <i>The Challenges of Sustainable Development of Karst Caves Tourism – A Case Study of Zarrin (Dodza or Smoking) Cave</i> D. Trnavac Bogdanović et al.: <i>Evaluation of the speleological geoheritage of Serbia – Case study of the show cave Petnička Pečina (Petnica Cave)</i> S. Gucl: <i>Caves of Kyrenia Mountains: research, education and conservation</i>		
17:30	<b>Poster presentation</b>		
19:30	<b>Unresolved mysteries of karst &amp; "ice-breaker"</b>		
			IZRK

**Tuesday, 19<sup>th</sup> June 2018**

8:15-10:30	<b>Registration</b>	Cultural Centre Postojna
8:30	<b>Session 4 (Show cave &amp; science-mix)</b> M. Fiebig et al.: <i>Age Dating with OSL in the remarkable karst cave system Grotte di Frasassi</i> M. Brenčič: <i>Analysis of annual visits to Postojnska jama – historical and statistical sciences approach</i> F. Drole & S. Glažar: <i>Simple 3D model of Postojna cave based on Gallino survey 1924-1928 combined with newly measured cave surveying data</i> E. K Ando: <i>Integration of Human Impact Studies and Sociological Surveys for Effective Show Cave Management: Report of On-going Project in Japan</i> Ł. Lewkowicz: <i>The history of cave tourism in the Polish-Slovak transfrontier area until 1939</i>	
10:30	<i>Coffee break</i>	
11:00	<b>Session 5 (Show-cave-related activities)</b> C. Vigne: <i>The Chauvet Pont d'Arc Cave Replica: a technical, scientific and territorial challenge for a new way to enhance underground heritages</i> N. Zupan Hajna: <i>Interpretation of karst science – Postojnska jama EXPO</i> S. Tutiš et al.: <i>Start of project implementation "Center of excellence - Cerovačke caves; sustainable management of natural heritage and karst underground"</i> D. Paar et al.: <i>Importance of Caves in Croatia as the Locations for Outdoor Science Education</i> A. Martín-Pérez et al.: <i>The role of Castañar cave's research studies in the dissemination of Earth science</i> C. L. Ramsey & P. A. Griffiths: <i>Misinformation, magical mystery tours, and extreme adventures: caves and tourist information in British Columbia, Canada</i>	
13:00	<i>Lunch &amp; departure to Postojnska jama</i>	
15:00	<b>Afternoon field trip (A) - Postojna Cave System</b>	
20:00	<i>Free evening</i>	

**Wednesday, 20<sup>th</sup> June 2018**

8:15-10:30	<b>Registration</b>	Cultural Centre Postojna
8:30	<b>Session 6 (Bio &amp; microbio monitoring)</b> S. Polak: <i>Terrestrial cave fauna monitoring in touristic part of Škocjan caves, Slovenia</i> P. Kozel & T. Pipan: <i>Monitoring of obligate subterranean dwelling fauna in Postojna Cave System</i> K. Vugrek Petljak et al.: <i>Results of Veternica cave monitoring as a basis for sustainable visitor management, Zagreb, Croatia</i> J. Mulec: <i>A monitoring plan using microbiological indicators to balance protection and exploitation of major tourist caves in Slovenia</i>	
10:00	<i>Coffee break</i>	
10:30	<b>Session 7 (Bio-mix)</b> N. Baković & J. Fressl: <i>Disruption of the subterranean ecosystem continuum caused by lampenflora</i> S. Pfendler et al.: <i>UV-C treatment of Lampenflora proliferating in show caves</i> I. Lučič: <i>How the Postojna cave tourism shaped the image of today known olm?</i> S. Skok et al.: <i>Antibiotic resistant Escherichia coli strains in karst waters and on tourist footpaths in show caves in Slovenia</i> B. Chiroi: <i>Victor Caumartin – pioneer of microbiology in caves</i>	
12:20	<i>Lunch</i>	
14:00	<b>Afternoon field trip (B) - M &amp; <math>\mu</math> show caves (Škocjan Caves, St. Servulus Cave)</b>	
20:00	<b>Evening presentation</b> (A. Mihevc: <i>Presentation of past International Karstological Schools "Classical Karst"</i> )	

**Thursday, 21<sup>st</sup> June 2018**

8:00	<b>Whole-day field trip (C) - Show caves and karst of the Krka River basin</b>
20:30	<b>Reception at the Institute</b>

**Friday, 22<sup>nd</sup> June 2018**

8:30	<b>Whole-day field trip (D) - Show caves and karst of the Ljubljana River basin</b>
18:00	

## GENERAL INFORMATION

### Registration

- Registration is possible on **Monday, Tuesday and Wednesday** in the Cultural Center Postojna (Gregorčičev drevored 2a, Postojna). Registration is obligatory for all participants.

### Oral presentations

- The majority of lectures will take place in the **Cultural Center Postojna** (Gregorčičev drevored 2a, Postojna).
- PowerPoint presentations should be given to the organizers **during the break before the Session starts**. Duration of the presentations is evident from the programme.
- Maximum duration of the lecture is **20 min** (15 min for talk and 5 min for discussion). Invited lecturers have 30 min for the lecture.

### Posters

- Poster size: suggested max. format is 70 cm x 100 cm (**portrait layout**).
- Each author(s) should prepare a **1–2 minute presentation (1–3 slides)** where the essence of their poster is presented. These short presentations will be presented at the beginning of the poster session. Afterwards, the posters will be displayed and the authors will be able to answer the questions and discuss their research in detail.
- **Leave the posters and short poster presentations (.ppt, .pdf) at the registration desk on Monday, June 18th, before the lunch break.**
- Stand by your poster during the poster display.

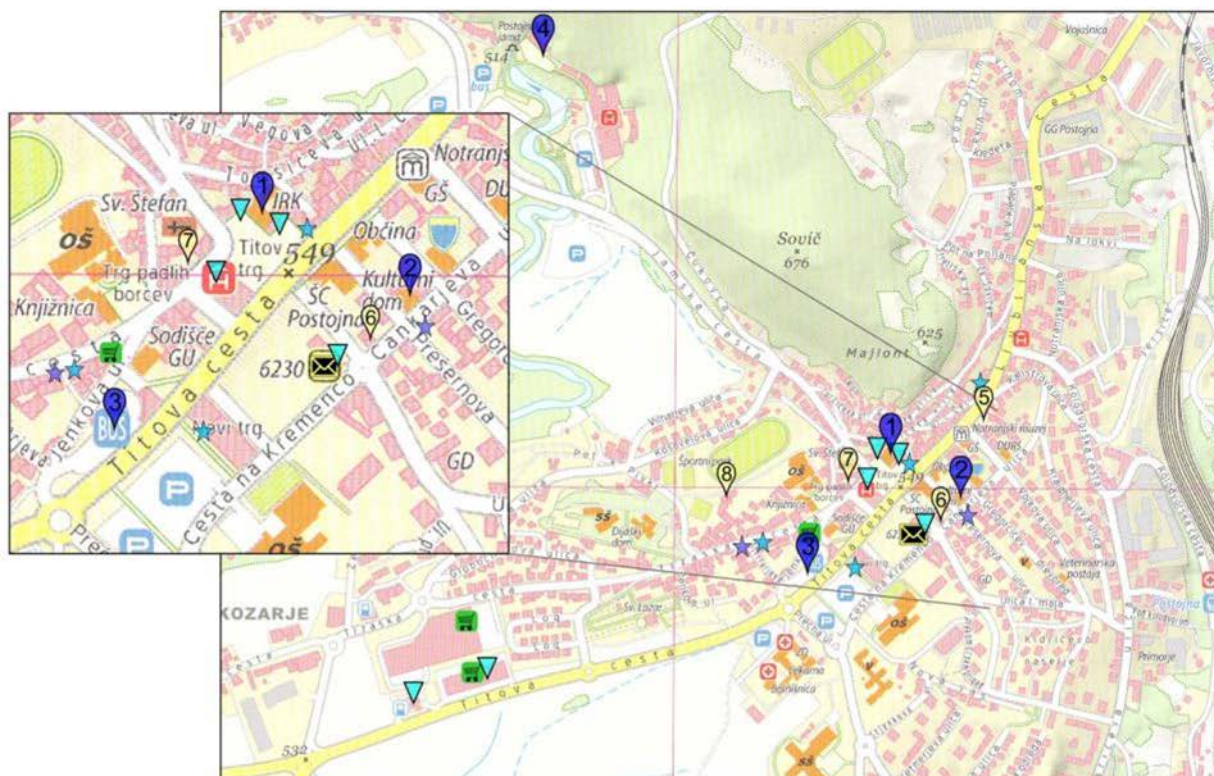
### Lunch

- Lunches are not organized on field trips and during the session days with the exception of the *Whole-day field trip (C; Thursday)* and *Whole-day field trip (D; Friday)*, when simple warm lunches will be provided.
- Lunch breaks are timetabled into the schedule during the session days (Monday, Tuesday and Wednesday).

### Field trips

- **Register for each the field trips** at the registration desk.
- Bus departure for the field trips is from the parking place at the Postojna bus station (marked as No. 3 on the Map of Postojna).
- **Walking shoes and field clothes** are obligatory. **Headlamps** are recommended since the IKS is dedicated to (show) caves but not all are equipped with electric lighting.
- Drinking water will be available on all busses.
- **Insect repellents** are recommended as we will be walking in the areas populated with **ticks** (*Ixodes ricinus*) that transfer mainly lyme disease and tick-borne meningitis. Check yourself in the evening after each field trip!
- **Participation on the excursions is voluntary and at your own risk.** The organisers do not accept any liability for any loss, damage, injury or death arising from or connected with the excursions. Participants are advised to arrange an appropriate insurance policy. The participants are obliged to comply with the instructions of the organisers.

## MAP OF POSTOJNA



- 1 Karst Research Institute ZRC SAZU / Inštitut za raziskovanje krasa ZRC SAZU
- 2 Cultural Center of Postojna / Kulturni dom Postojna
- 3 Postojna bus station / Avtobusna postaja Postojna
- 4 Entrance to cave Postojnska jama / Vhod v Postojnsko jamo

Places to eat: / Možnost prehrane:

- 5 Pizzeria and restaurant „Minutka“ / Picerija in restavracija „Minutka“
- 6 Bistro „Štorja pod stopnicami“ / Bistro „Štorja pod stopnicami“
- 7 Bistro „Bar Bor“ / Bistro „Bar Bor“
- 8 Pizzeria and restaurant „Čuk“ / Picerija in restavracija „Čuk“

- ★ Fast Food / hitra prehrana
- ★ Bakery / pekarna
- 🛒 Market / trgovina
- 🏦 ATM / bankomat
- ✉ Post Office / pošta

## **INVITATION TO A SPECIAL SESSION: UNRESOLVED MYSTERIES OF KARST**

(Monday, 18<sup>th</sup> June, 2018)

This year's IKS will be as always a great opportunity as a meeting point between experienced and new researchers from different parts of the globe. Last year's Special Session on the "Mysteries in Karst Science" was very successful, in that a number of answers to some important questions in karst science were provided, and others questions were shown to be actively investigated at the moment. Usually talks in schools and congresses deal with progress of ongoing research and with their results. This session, however, has the aim to present the still-unresolved problems and to promote and stimulate research. In contrast to many other scientific fields, karstologists most often try to collaborate in order to resolve problems. This session intends, therefore, to promote further important world-wide collaborations. During the session, the talks do not necessarily show any results, hence, talks are usually short but because questions are formulated, the discussions should be longer. Therefore, talks are limited to max. 5 minutes, while discussions may last 10–15 minutes.

You are all invited to contribute to the session. Please send a brief problem outline and description to [praezis@speleo.ch](mailto:praezis@speleo.ch).

With best regards,  
Philipp Häuselmann (moderator)