



27<sup>th</sup> International Karstological School "Classical karst"

## KARST HYDROGEOLOGY – RESEARCH TRENDS AND APPLICATIONS

### SECOND CIRCULAR



Postojna, June 17<sup>th</sup>–21<sup>st</sup> 2019

Organised by  
Karst Research Institute ZRC SAZU

## PROGRAMME

FROM - TO	MONDAY, 17. 6.	TUESDAY, 18. 6.	WEDNESDAY, 19. 6.	THURSDAY, 20. 6.	FRIDAY, 21. 6.	SATURDAY, 22. 6.
8:00 - 8:20	REGISTRATION 8:00-13:00	REGISTRATION 8:00-11:00	REGISTRATION 8:00-11:00			
8:20 - 8:40		INVITED LECTURE	INVITED LECTURE			
8:40 - 9:00						
9:00 - 9:20	OPENING CEREMONY	LECTURE	LECTURE	WHOLE DAY TRIP	WHOLE DAY TRIP	COURSE KARSYS
9:20 - 9:40	INVITED LECTURE	LECTURE	LECTURE			
9:40 - 10:00		LECTURE	LECTURE			
10:00 - 10:20	LECTURE	LECTURE	LECTURE			
10:20 - 10:40	LECTURE	LECTURE	LECTURE			
10:40 - 11:00	BREAK	BREAK	BREAK			
11:00 - 11:20						
11:20 - 11:40	INVITED LECTURE	INVITED LECTURE	INVITED LECTURE			
11:40 - 12:00	LECTURE	LECTURE	LECTURE			
12:00 - 12:20	LECTURE	LECTURE	LECTURE			
12:20 - 12:40	LECTURE	LECTURE	LECTURE			
12:40 - 13:00	LECTURE	LECTURE	LECTURE			
13:00 - 13:20	LUNCH	LUNCH	LUNCH			
13:20 - 13:40						
13:40 - 14:00						
14:00 - 14:20						
14:20 - 14:40						
14:40 - 15:00						
15:00 - 15:20	LECTURE	AFTERNOON TRIP	AFTERNOON TRIP			
15:20 - 15:40	LECTURE					
15:40 - 16:00	LECTURE					
16:00 - 16:20	LECTURE					
16:20 - 16:40	LECTURE					
16:40 - 17:00	BREAK					
17:00 - 17:20	POSTER SESSION					
17:20 - 17:40						
17:40 - 18:00						
18:00 - 18:20						
18:20 - 18:40						
18:40 - 19:00			BREAK			
19:00 - 19:20						
19:20 - 19:40						
19:40 - 20:00	BREAK					
20:00 - 20:20	UNRESOLVED MYSTERIES OF KARST					
20:20 - 20:40						
20:40 - 21:00						
21:00 - 21:20						
21:20 - 21:40						
21:40 - 22:00			RECEPTION			

### Sessions and invited lectures:

#### 1. Karst hydrogeology - past, present, future

Ira Sasowsky: Karst hydrogeology: Who, what, why, where, when, & how

#### 2. Monitoring – instrumentation and data analysis

Ralf Benischke: Monitoring of Karst Water – Methods and Techniques

#### 3. Water resources quality and management

Michael Sinreich: From monitoring to management of karst groundwater resources

#### 4. Karst water utilization

Igor Jemcov: Quantitative analysis of the hydrogeological research for engineering practice in karst environment

#### 5. Solute and particle transport

Philippe Meus: Fluorescent tracers in karst hydrogeology: limitations, new challenges

#### 6. Water flow and modelling

Laurence Gill: Modelling groundwater-surface water interactions in lowland karst (Ireland)

### Field trips:

- Tuesday:** Hydrogeological and speleological researches in the area of a new railway line Divača-Koper
- Wednesday:** Recent hydrogeological investigations in the Upper Pivka Valley
- Thursday:** Groundwater flow in the Ljubljana recharge area
- Friday:** Reka-Timavo flow system in Kras/Carso

## GENERAL INFORMATION

### Registration

- Registration is possible on Monday (8:00 – 13:00), Tuesday (8:00 – 11:00) and Wednesday (8:00 – 11:00) in the Cultural Centre Postojna (Gregorčičev drevored 2a, Postojna). Registration is obligatory for all participants.

### Oral presentations

- Most lectures will take place in the Cultural Centre Postojna (Gregorčičev drevored 2a, Postojna).
- PowerPoint presentations should be given to the organizers during the break before the Session with the presentation.
- 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 A0 – 841 x 1189 mm (portrait layout).
- Flash presentation session will be organised at the beginning of the poster session. For this, each author(s) is asked to prepare a 1–2 minutes long “teaser” presentation with 1–2 slides to attract attention to the content of the poster. After flash session, 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 17<sup>th</sup>, before the lunch break.
- Stand by your poster during the poster display.

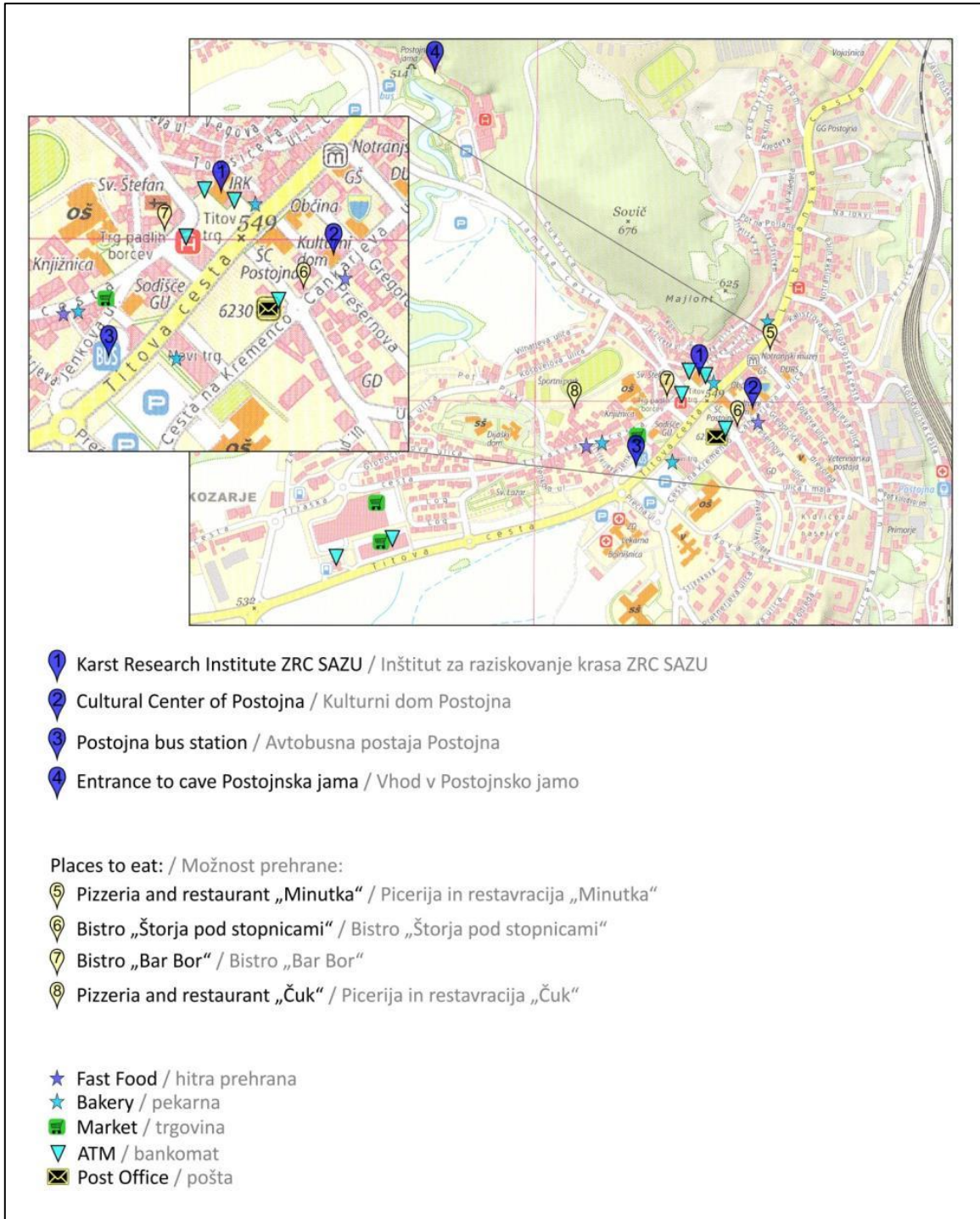
### Lunch

- Lunches are not organized during the session days and afternoon field trips (Tuesday and Wednesday).
- During whole-day field trips (Thursday and Friday) simple lunches will be provided.
- Lunch breaks are timetabled into the schedule during the session days (Monday, Tuesday and Wednesday).

### Field trips

- Registration for each field trip will be possible during conference 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 during visits of show caves.
- 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



## ORGANIZER

Karst Research Institute ZRC SAZU

Titov trg 2, SI - 6230 Postojna

T: (+386) 5 70 019 00

F: (+386) 5 70 019 99

E-mail: [iks@zrc-sazu.si](mailto:iks@zrc-sazu.si)

Web: <http://izrk.zrc-sazu.si/en>

Contact: Matej Blatnik ([mblatnik@zrc-sazu.si](mailto:mblatnik@zrc-sazu.si)), Cyril Mayaud ([cyril.mayaud@zrc-sazu.si](mailto:cyril.mayaud@zrc-sazu.si))

**INVITATION TO A SPECIAL SESSION: UNRESOLVED MYSTERIES OF KARST**  
(Monday, 17<sup>th</sup> June, 2019)

This year's school will be as always a great opportunity as a meeting point between experienced and new researchers from different parts of the globe.

The last years, a Special Session on Mysteries in Karst science was held, and it was quite successful, in that some answers could be found, and others are 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 opposition to many other scientific branches, karstologists most often try to collaborate in order to resolve problems. This session should therefore promote further the world-wide collaboration.

Because there are no results, talks usually are short, but because questions are formulated, discussion 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)

INVITATION TO SHORT COURSE: VISUAL KARSYS  
(Saturday, 22<sup>th</sup> June, 2019)

# Short Course Visual KARSYS

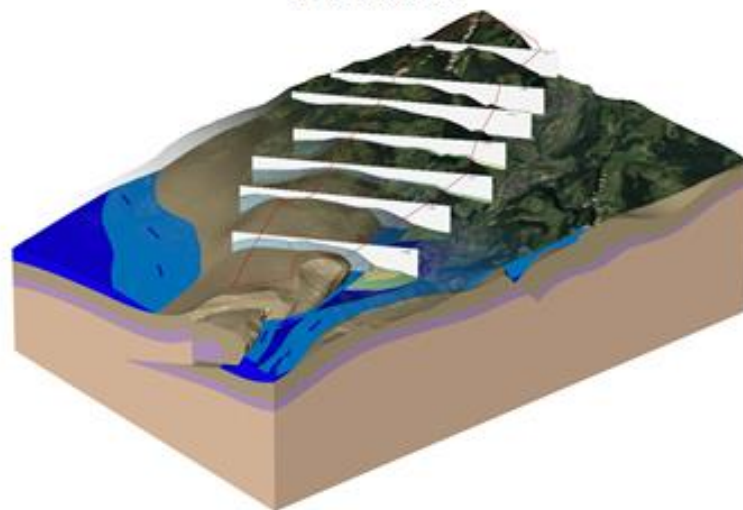
Applied and innovative methods for the management of karst environment!

**Saturday 22<sup>nd</sup> June, 2019 | Postojna (Slovenia)**

SISKA organizes a short course dedicated to the learning of the KARSYS approach through the use of the visual KARSYS web-service.

The course will be held in the frame of the 27th Karstological School Classical Karst

The course is designed for geologists and hydrogeologists (engineers, academic, students) working in karst environments for applied issues (groundwater management, geothermy, construction, etc.). It intends to provide steps and tools to participants who will apply KARSYS by themselves.



Course price: 60 €/pers (including lunch)  
Contact for registration / questions: [amauld.malard@isska.ch](mailto:amauld.malard@isska.ch)

[Link to the conference web page](#)

[Link to Visual KARSYS](#)



ISSKA • SISKA

