28th International Karstological School "Classical karst"

REGIONAL KARSTOLOGY - LOCAL AND GENERAL ASPECTS within International Year of Karst and Caves

PROGRAM



Postojna, June 14th–17th 2021

Organised by Karst Research Institute ZRC SAZU

PROGRAM

Monday, June 14th, 2021 (CET, UTC+2) Ponedeljek, 14. junij 2021 (SEČ, UTC+2)	
9:00–9:15	**EVENT OPENING / OTVORITEV DOGODKA**
	SESSION 1 / SKLOP 1 Conveyer: P-Y. Jeannin
9:15–10:00	*Home lecture / Domače predavanje* N. Zupan Hajna: International Year of Caves and Karst - karst, caves, and people worldwide
10:00–10:30	R. Watson: Connecting the dots – the inter-relationship between sinkholes, uvalas and conduits in evaporite karst at the Eastern Dead Sea shore, Jordan
10:30–11:00	V. Iurlii: Polycyclic speleogenesis and tectonics in Apulia (Italy), forty years later. A review and new data.
11:00–12:00	*Break / Break*
	SESSION 2 / SKLOP 2 Conveyer: A. Tyc
12:00–12:30	T. Faulkner: The general model of cave development in the metalimestones of the Caledonide terranes
12:30–13:00	M. Todorović: The REE and trace elements in karst hydrogeothermal systems of Carpatho-Balkanides, Serbia
13:00–13:30	J. Tičar: Advanced approach in evaluating the cave pollution in Slovenia
13:30–14:00	J. Stemberk: The role of gravitational movements and active tectonics in the Driny Cave development in the Malé Karpaty Mts. (the Western Carpathians)
14:00–15:00	*Break / Break*
	SESSION 3 / SKLOP 3 Conveyer: C. Ramsey
15:00–15:30	*Invited lecture / Vabljeno predavanje* G. Schindel: Emergency response strategies for hazardous materials releases in karst
15:30–16:00	T. Chen: Karstic conduits Connectivity, natural and disturbed hydraulic behaviours of the multi-layered aquifer system of Barrois limestone – IHLLW Cigéo Project (France)
16:00–16:30	T. Stokes: What is needed for improving the reconnaissance karst potential mapping of British Columbia, Canada
16:30–17:30	F. Gabrovšek & M. Blatnik: The Classical Karst: History and current research trends

Tuesday, June 15th, 2021 (CET, UTC+2) Torek, 15. junij 2021 (SEČ, UTC+2)	
	SESSION 4 / **SKLOP 4** Conveyer: F. Gabrovšek
9:00–9:30	M. Blatnik: Ice thickness measurements in ice caves using terrestrial LiDAR scanner; examples from Slovenia
9:30–11:00	**POSTER SESSION** / **POSTERJI**
9:30–10:00	Quick poster presentations / Hitra predstavitev posterjev
10:00–11:00	Poster display in 3 groups / Ogled posterjev v treh skupinah
11:00–12:00	*Break* / *Break*
	SESSION 5 / **SKLOP 5** Conveyer: A. Gessert
12:00–12:30	*Invited lecture* / *Vabljeno predavanje* P. Audra: Monitoring of Mescla karst spring in the French Southern Alps: a rare case of stratified waters out of coastal areas
12:30–13:00	M. Marinić: Significance and comparison of sediments of Northern Velebit deep caves, Dinaric karst, Croatia
13:00–13:30	V. Johnston: Cave air and water monitoring of moonmilk-containing caves
13:30–14:00	J. Obu: What can patterned ground in karst caves tell us about Arctic carbon cycle?
14:00–15:00	*Break* / *Break*
	SESSION 6 / **SKLOP 6** Conveyer: F. Gabrovšek
15:00–16:30	**POSTER SESSION** / **POSTERJI**
15:00–15:30	Quick poster presentations / Hitra predstavitev posterjev
15:30–16:30	Poster display in 3 groups / Ogled posterjev v treh skupinah
16:30–17:30	C. Mayaud, U. Novak & N. Ravbar: Karst of Notranjska region

Wednesday, June 16th, 2021 (CET, UTC+2) Sreda, 16. junij 2021 (SEČ, UTC+2)	
	SESSION 7 / **SKLOP 7** Conveyer: L. Kukuljan
9:00–9:30	R. F. Muhammad: Tidal karst notches as indication of Holocene sea levels in peninsular Malaysia
9:30–10:00	M. Kázmér: Coastal karst in Bali (Indonesia) describes repeated late Holocene seismic uplift
10:00–10:30	M. Surić: Croatian coastal karst - treasury of karst features, yet just a piece of the global jigsaw
10:30–11:00	A. Švara: Active water cave Vodna jama v Lozi and Loza Unroofed Cave – a case of morphogenesis in the Slavina Corrosional Plain (SW Slovenia)
11:00–12:00	*Break* / *Break*
	SESSION 8 / **SKLOP 8** Conveyer: V. Johnston
12:00–12:30	W. Dreybrodt: Early hypogene carbonic acid speleogenesis in unconfined limestone aquifers: A model
12:30–13:00	M. Breg Valjavec: Dolines – important soil organic carbon pools on Kras Plateau
13:00–13:30	R. Lončarić: Driving mechanisms and spatiotemporal variations of radon concentration in Modrič Cave (Croatia)
13:30–14:00	A. Martín-Pérez: In situ formation of cryogenic calcite on seasonal ice in Snežna jama
14:00–15:00	*Break* / *Break*
	SESSION 9 / **SKLOP 9** Conveyer: M. Timo
15:00–15:30	*Invited lecture* / *Vabljeno predavanje* L. E. Panisset Travassos: Research possibilities in the Tropical Karst: past, present and future
15:30–16:00	V. Gajović: Preliminary analysis of vadose zone water pulses from Postojnska and Planinska jama drips, SW Slovenia
16:00–16:30	K. Vouduris: General characteristics of karst aquifers in Greece
16:30–17:30	F. Gabrovšek & N. Zupan Hajna: Karst of Primorska region

Thursday, June 17th, 2021 (CET, UTC+2) Četrtek, 17. junij 2021 (SEČ, UTC+2)	
	SESSION 10 / **SKLOP 10** Conveyer: N. Zupan Hajna
9:00–9:30	N. Kalantari: Hydrochemical and stable isotope methods to determine karstic aquifers water circulation in the Izeh area, southwest of Iran
9:30–10:00	D. Gillieson: Geoheritage and conservation of karst on Kangaroo Island, South Australia
10:00–10:30	E. Gokkaya: Development and morphological evolution of bedrock-collapse sinkholes in the Sivas gypsum karst, Turkey
10:30–11:00	S. Bahadorinia: Karst in arid Central Region of Kerman Province, Iran
11:00–12:00	*Break* / *Break*
	SESSION 11 / **SKLOP 11** Conveyer: D. Paar
12:00–12:30	M. Švob: Water flow in karst soil: implementing preferential flows in one-dimensional model
12:30–13:00	D. Grozić: Large scale test of ALS LiDAR data utilization for cave entrance detection: a case study from the UNESCO World Heritage Site – Plitvice Lakes National Park, Croatia
13:00–13:30	J. Knežević-Solberg: Building a Norwegian Cave and karst database
13:30–14:00	P-Y. Jeannin: Tunnels and karst springs, a case-study from the South-Eastern border of the Jura Mountains (Lake Biel, Switzerland)
14:00–15:00	*Break* / *Break*
	SESSION 12 / **SKLOP 12** Conveyer: T. Stokes
15:00–15:30	*Invited lecture* / *Vabljeno predavanje* D. Ford: Mahony and Tunago limestone plateaus and the Lac Belot hydration ridges, adjoining but contrasting karstlands in the lowlands of the Northwest Territories, Canada
15:30–16:00	R. Bosch: Landscape evolution of the Central Kentucky Karst
16:00–16:30	P. Griffiths: The Paradise Lost cover-collapse feature on northern Vancouver Island (British Columbia, Canada)
16:30–17:30	M. Blatnik & M. Petrič: Alpine karst
17:30–17:45	**EVENT OPENING** / **OTVORITEV DOGODKA**

LIST OF POSTER PRESENTATIONS

	CORRESPONDING AUTHOR	TITLE
	Morning session	
GROUP 1	Abdul Samad Umi Salmah	Qatar confirmed sinkholes
	Kalantari Nasrollah	Assessment of the karstic aquifers water flow using geological structure in the Izeh area, southwest of Iran
	Knez Martin	Lithomorphogenesis of karst surface – Karren
	Lyu Xiaoxi	Riverine carbonate system, CO_2 partial pressure and CO_2 emission from a subtropical karst river network, South China
	Mazina Svetlana	Geochemistry of Snezhnaya cave system (Western Caucasus, Bzybsky Ridge)
GROUP 2	Ivanović Čeda	Underground of the Brskovo silver mine
	Kos Anja	Facilitating the use of subterranean biodiversity data in nature conservation – examples from Slovenia and Bosnia and Herzegovina
	Mulaomerović Jasminko	New findings of the water snail of the genus Emmericia in the karst springs of Herzegovina
	Ojovan Bianca-Oana	Cold active lipases from Scarisoara Ice Cave and their applicative potential
	Paun Victoria-Ioana	Ancient antimicrobial resistance in Scarisoara Ice Cave
GROUP 3	Ćalić Jelena	A comparison between the Dinaric and Carpatho-Balkan karst(s) in Serbia
	Selaković Tea	The influence of caves as an extreme environment on the physiological functions and mental state of individuals
	Šegina Ela	Regional undulations: an ultimate stage of the karst landscape?
	Vidić Pava	Morphogenesis research as basis for conservation and interpretation of karst landscape in the area of West Medvednica Mt. (Croatia)
	Vlatković Karla	Rockfall dynamics in caves: Velebit Mt., Croatia
	Afternoon session	
GROUP 4	Krklec Kristina	Karst denudation measurements on North Dalmatian plain using rock tablet method
	Lipar Matej	Imaging solution pipes – case study from Miocene calcarenites in Poland
	Pondelicek Michael	Czech Karst as a part of Prague in last 20 Years
	Sala Przemysław	Healed speleothems in the Demänová Cave System (northern Slovakia)
	Schwarzová Mária	Karst relief denudation based on limestone tablets weight loss (Slovak karst)
GROUP 5	Bajraktari Fadil	The mountain of Akovan (Zatriq) Nature Karst Museum
	Čeligoj Biščak Jamsina	Development of research infrastructure (RI) for the international competitiveness of the development of Slovenian RI space – RI-SI-EPOS and RI-SI-LifeWatch
	Likar Mojca	Metagenomic insight into microbial communities of two pristine Karst aquifers
	Novak Uroš	The use of new technologies for understanding structural geology and hydrogeology of the karst unsaturated zone
	Vidmar Ines	Regional water balance analysis of karstic areas by remote sensing
GROUP 6	Dos Santos Macedo Songe Heleno	Importance of karst in Sergipe, Northeast Brazil
	Simoes Santos Matheos	Hydrological and physical-chemical processes and its controlling effect on the karst landscape in the Peruaçu river canyon, Cavernas do Peruaçu National Park, Minas Gerais, Brazil
	Sousa Lima Pericles	Map of karst phenomena of Natividade and Chapada da Natividade, Tocantins, Brazil
	Vajda Viktória Zsuzsanna	Changes in the hydrogen sulfide content of Hévíz thermal lake
	Vargas Danny	Preliminary results of speleothem U-Th dating and paleoclimate reconstruction from Garganta del Dino Cave (Ecuador)

GENERAL INFORMATION

Meeting lobby

- For a better orientation during virtual conference we will establish a "lobby" with an access to the next elements:
    - Conference program
    - Book of abstracts
    - Meeting room
    - Virtual coffee room
    - Poster presentations
    - Recorded oral presentations

Oral presentations

- Due to virtual event, presentations will be given through ZOOM application and screen sharing.
- Maximum duration of the lecture is **25 min** (25 min for talk and 5 min for discussion).
- Desired format of presentations are PowerPoint or PDF, both 4:3 and 16:9 ratios are acceptable. Make sure, that presentation is functioning while sharing the screen.
- All sessions and questions after oral presentations will be managed by chairman. Questions will be collected in chat box (a tool in zoom).

Posters

- Due to virtual event, presentations will be given through ZOOM application and screen sharing.
- Posters will be presented in two ways:
    - 30 min long session for quick poster presentation – authors are invited to prepare **a 2 min** long ppt presentation with 1–2 slides to attract attention.
    - 60 min long session in which presenters will be divided in three rooms with 4–5 presenters, who will have an opportunity to present posters in more details (**10 min**).
- Both sessions including presentations and answering questions will be managed by moderator.
- Poster can be shown in any format, which enables sharing the screen, and keeping good resolution during zooming the details of poster. Make sure, that everything is functioning while sharing the screen.
- Authors are invited to send their posters to organizers before Wednesday 9th June to be uploaded to the "lobby", where they will be accessible for viewing prior to the conference.

ORGANIZER

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