



State Nature Conservancy of the Slovak Republic, Slovak Caves Administration, Liptovský Mikuláš  
 UIS Commission on Glacier, Firn and Ice Caves  
 Slovak Museum of Nature Protection and Speleology, Liptovský Mikuláš  
 Aggtelek National Park, Jósvalfő, Hungary  
 Slovak Speleological Society



**Dobšiná Ice Cave 1870 - 2020**



## 9<sup>th</sup> International Workshop on Ice Caves (IWIC-IX) & 12<sup>th</sup> Scientific Conference Research, Utilization and Protection of Caves

under the auspices of International Union of Speleology (UIS)  
 and International Show Caves Association (ISCA)

at the occasion of the

150<sup>th</sup> anniversary of the discovery of the Dobšiná Ice Cave

90<sup>th</sup> anniversary of the establishment of the Slovak Museum of Nature Protection and Speleology

50<sup>th</sup> anniversary of the establishment of the Slovak Caves Administration

25<sup>th</sup> anniversary of the inscription of the Caves of Slovak and Aggtelek Karst on the World Heritage List

**May 12 – 15, 2020 Liptovský Mikuláš, Slovakia**

**Organizing committee:**

Chairman: Ján Zuskin

Peter Gažík, Viera Granátová, Dagmar Haviarová, Peter Holúbek, Juraj Littva,  
Miloš Melega, Vladimír Papáč, Zuzana Višňovská

**IWIC-IX scientific committee:**

Chairman: Valter Maggi

Pavel Bella, Oľga Kadebska, Zoltán Kern, Ľubomír Kováč, Marc Luetcher,  
Bulat Mavlyudov, Aurel Perşoiu, Jacek Piasecki, Christop Spötl, Ján Zelinka

**Conference scientific committee:**

Chairman: Pavel Bella

Pavel Bosák, Ľudovít Gaál, Michał Gradziński, Helena Hercman, Zdenko Hochmuth,  
Péter Gruber, Jozef Jakál, Ľubomír Kováč, Peter Malík, Rastislav Milovský, Ján Tulis, Michal Zacharov

**Secretariat address:**

State Nature Conservancy of the Slovak Republic  
Slovak Caves Administration  
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**PROFESSIONAL FOCUS**

The International Workshop on Ice Caves (IWIC) is held every two years, and previously has been organized in Cluj-Napoca (Romania, 2004), Demanovská Dolina (Slovakia, 2006), Kungur (Russia, 2008), Obertraun (Austria, 2010), Grigna-Milan (Italy, 2012), Idaho Falls (USA, 2014), Postojna (Slovenia, 2016) and Picos de Europa (Spain, 2018).

Since 1997, the Slovak Caves Administration biennially organizes the scientific conference “Research, Utilization, and Protection of Caves”, presenting the newest results of research, monitoring, and protection of the caves, especially from the territory of Slovakia and neighbouring countries of Central Europe.

In 2020, the 150<sup>th</sup> anniversary of the Dobšiná Ice Cave discovery will be commemorated by organizing a joint event: The IWIC-IX and 12<sup>th</sup> scientific conference “Research, Utilization and Protection of Caves”. The Dobšiná Ice Cave is one of the most important ice caves in the world with a very rich history.

**IWIC-IX topics:**

- ice cave climate, cave glaciation, morphology and mass balances of cave ice deposits
- stratigraphy and structure of cave ice, cryo-mineralogy, paleoclimatological studies
- ice cave biota and biodiversity
- ice cave management and protection

**Conference topics:**

- cave geology, morphology and genesis of caves
- cave deposits, paleoenvironmental changes in karst
- karst aquifers, geochemistry and karst vulnerability
- cave climate
- cave biota and biodiversity
- paleontological and archaeological findings in caves
- utilization and environmental protection of karst landscape and caves

## CONFERENCE VENUE



### **Slovak Museum of Nature Protection and Speleology**

Školská 1124/4, 031 01 Liptovský Mikuláš

tel.: +421(0)44/5477230

e-mail: [smopaj@smopaj.sk](mailto:smopaj@smopaj.sk)

<http://www.smopaj.sk>

## PRELIMINARY PROGRAMME (FOR BOTH IWIC-IX AND CONFERENCE)

### **May 12, 2020 (Tuesday)**

- 07:30 – 09:00 registration of participants
- 09:00 – 09:15 IWIC and conference opening
- 09:15 – 12:30 lectures on the Dobšiná Ice Cave and other ice caves
- 12:30 – 14:00 lunch
- 14:00 – 17:15 lectures and posters on ice caves
- 17:30 – 18:30 opening of the exhibition about the history of Dobšiná Ice Cave
- 19:00 dinner and social gathering

### **May 13, 2020 (Wednesday)**

- 08:30 – 10:45 lectures and posters on ice caves
- 11:00 – 18:00 IWIC and conference excursion: Dobšiná Ice Cave – jubilee cave tour

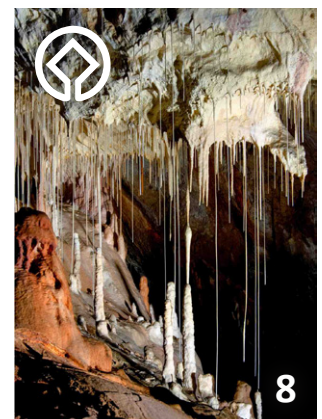
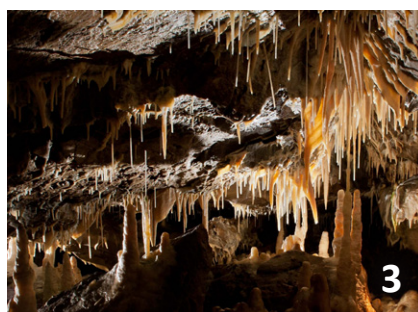
### **May 14, 2020 (Thursday)**

- 08:30 – 10:00 conference lectures on the World Heritage caves
- 10:30 – 12:00 conference lectures
- 12:00 – 13:30 lunch
- 13:30 – 16:45 conference lectures and posters
- 16:45 – 17:00 closing of the conference
- 08:30 – 17:00 IWIC alternative program – all-day field excursion:  
Belianska Cave (multi-annual attempt for the glaciation of lower cave part in the second half of 1930' and negative impacts on the cave environment), Važecká Cave

### **May 15, 2020 (Friday)**

- 08:00 – 19:00 all-day IWIC and post-conference field excursion:  
Ochtiná Aragonite Cave, Domicca Cave, Baradla Cave, Silická ľadnica (Silica Ice Cave – the lowest lying perennial ice cave up to the latitude of 50° north)

# MAP OF SLOVAKIA



## LECTURES AND POSTERS

The length of the lecture is 15 minutes. In the case of a large number of submitted lectures, the scientific committees reserves the right to reassign some lectures to poster presentations. Posters will be presented in a panel discussion. Maximum poster dimensions: 75 × 120 cm (width × height), posters should be given in English.

The lectures of IWIC-IX will be presented in English (May 12 – 13). The lectures of conference (May 14) should be given in English, Slovak, Polish and Czech (Power-point presentations have to be in English).

Lecture and poster abstracts in English will be published in Aragonit journal, volume 24, number 1, which the participants will receive at the IWIC-IX and conference registration. Extended abstract (1,500 to 3,000 characters) must be sent by January 31, 2020 at the latest, to the address: pavel.bella@ssj.sk. If necessary, black and white pictures can be included with the list of cited literature at the end of the abstract. The individual authors should be listed with full workplace addresses.

The original scientific articles from the IWIC-IX and conference will be published in journals Slovenský kras and Aragonit journal in the years 2020 and 2021 after assessment by editorial boards and reviews.

## IWIC-IX AND CONFERENCE FEE

The IWIC-IX and conference fee of 80 € can be paid by bank transfer (see below) or in cash upon the registration of participants. It covers organizational costs including all workshop/conference materials, refreshment during breaks, transport during the excursion on May 13, 2020, as well as the publication of abstracts in Aragonit journal and contributions in Slovenský kras and Aragonit journals.

Fee for the field excursion on May 14, 2020 is 30 € (covers the entry to the caves, transport and lunch).

Fee for the field excursion on May 15, 2020 is 40 € (covers the entry to the caves, transport and lunch).

## SEPA Credit Transfer

Bank address: Statna pokladnica, Radlinskeho 32, 810 05 Bratislava, Slovakia

BIC/ SWIFT: SPSRSKBAXXX

IBAN: SK15 8180 0000 0070 0039 1453

Beneficiary's account name: BU–Vydavky, SSJ LM

Beneficiary's adress: State Nature Conservancy of the Slovak Republic, Slovak Caves Administration  
Hodžova 11, 031 01 Liptovský Mikuláš

Country code: SK

Remittance information: **name and surname of participant / IWIC-IX**

## Transfer of a cross-border payment to a client Štátna pokladnica via correspondent banking by the intermediary bank via SWIFT

Beneficiary's bank: Statna pokladnica, Radlinskeho 32, 810 05 Bratislava, Slovakia

BIC/ SWIFT: SPSRSKBAXXX

Beneficiary's intermediary bank: Vseobecna uverova banka, Mlynske Nivy 1, 82990 Bratislava, Slovakia

BIC/ SWIFT: SUBASKBXXXX

IBAN: SK15 8180 0000 0070 0039 1453

Beneficiary's account name: BU–Vydavky, SSJ LM

Beneficiary's adress: State Nature Conservancy of the Slovak Republic, Slovak Caves Administration  
Hodžova 11, 031 01 Liptovský Mikuláš

Remittance information: **name and surname of participant / IWIC-IX**

## TRANSPORT TO AND FROM THE VENUE

**Liptovský Mikuláš Town** (557 m a.s.l.) is located in the northern part of Slovakia, in the Liptov Basin bounded by several mountains (Tatry, Nízke Tatry, Chočské vrchy, Veľká Fatra). It has more than 32,000 inhabitants. The headquarters of the Slovak Caves Administration, the Slovak Museum of Nature Protection and Speleology, and the Slovak Speleological Society are in Liptovský Mikuláš.

**The nearest airports to the venue are: Poprad** – Slovakia (distance 60 km), **Košice** – Slovakia (160 km), **Ostrava** – Czech Republic (190 km), **Krakow** – Poland (170 km), **Katowice** – Poland (240 km), **Bratislava** – Slovakia (290 km), **Vienna** – Austria (350 km), **Budapest** – Hungary (420 km), **Brno** – Czech Republic (430 km), **Prague** – Czech Republic (520 km). For following transport from airports to the venue we recommend to use **Express trains (Intercity – IC)** or **Long-distance buses**.

### Air connections to Bratislava and less frequented airports

Bratislava airport			Poprad airport	Košice airport	Ostrava airport	Brno airport
Athens	Dublin	Manchester	London	Istanbul	London	Berlin
Barcelona	Edinburgh	Milan/Bergamo		London		London
Berlin	Kiev	Moscow		Prague		Milan/Bergamo
Bologna	London	Paris		Vienna		
Brussels	Madrid	Roma		Warsaw		
Dubai	Malaga					

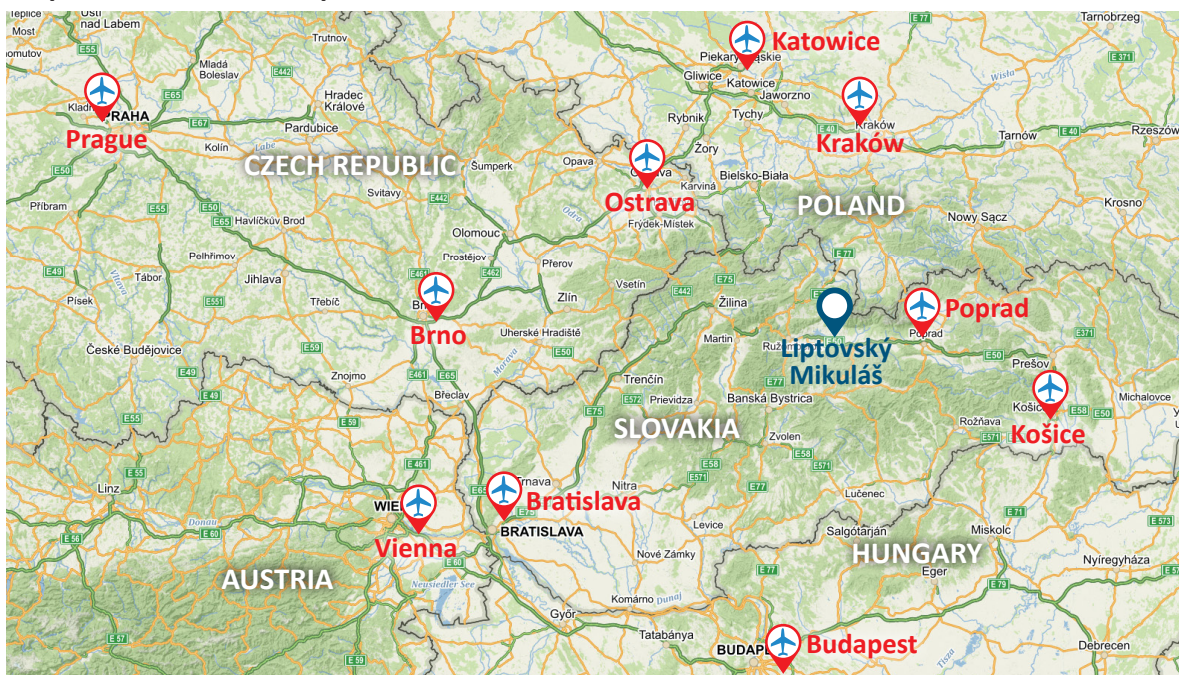
**Express trains** run on these lines:

- Vienna – Bratislava (transfer) – Liptovský Mikuláš
- Budapest – Bratislava (transfer) – Liptovský Mikuláš
- Budapest – Košice (transfer) – Liptovský Mikuláš
- Praha – Liptovský Mikuláš
- Ostrava – Liptovský Mikuláš
- Brno – Bratislava (transfer) – Liptovský Mikuláš
- Katowice – Bohumín (transfer) – Liptovský Mikuláš

**Long-distance buses** run on these lines:

- Krakow – Ružomberok (transfer to trains or buses) – Liptovský Mikuláš
- Krakow – Poprad (transfer to trains or buses) – Liptovský Mikuláš
- Katowice – Krakow (transfer) – Ružomberok (transfer to trains or buses) – Liptovský Mikuláš

### Map of international airports close to the venue



## CATERING AND ACCOMMODATION

Catering and accommodation are paid by the participants individually.

Accommodation options near the conference venue:

Hotel	single room	double room	distance from venue	contact
Jánošík	50 €	80 €	600 m	<a href="http://www.hoteljanosik.sk">http://www.hoteljanosik.sk</a>
Europa	50 €	80 €	400 m	<a href="http://www.hoteleuropalm.sk">http://www.hoteleuropalm.sk</a>
Atlas (Bonifác)	25 €	40 €	200 m	<a href="http://www.penzionatlas.eu">http://www.penzionatlas.eu</a>
Rotunda	30 €	34 €	400 m	<a href="http://www.penzionrotunda.sk">http://www.penzionrotunda.sk</a>
Steve	34 €	49 €	200 m	<a href="http://www.hotelsteve.sk">http://www.hotelsteve.sk</a>
Squash	16 €	25 €	400 m	<a href="http://www.squash-liptov.sk">http://www.squash-liptov.sk</a>
Cestár	15 €	30 €	1000 m	<a href="http://www.penzioncestar.sk">http://www.penzioncestar.sk</a>
Klar	26 €	30 €	1000 m	<a href="https://www.klar.sk">https://www.klar.sk</a>



Lunch on May 12 and 14, 2020 - can be reserved by the organizer (one selected menu together with other participants) or individually in nearby restaurants.