

**DRAFT PROGRAM**  
***“Time in Karst”***

**Jointly sponsored by:**  
**Karst Research Institute ZRC-SAZU (Slovenia)**  
**Karst Waters Institute (U.S.A.)**

**Wednesday, March 14 – Karst Research Institute ZRC-SAZU**

- 12:00 – 18:00 **Registration**
- 18:00 – 18:30 **Opening Welcome –**  
Dr. Tadej Slabe (Karst Research Institute ZRC-SAZU)  
Dr. Franci Demšar (Slovenian Research Agency)  
Dr. David Culver (Karst Waters Institute)
- 18:30 – 19:30 **Keynote Address – Louis Deharveng (France):** *Tempo of changes in karst: biological versus physical processes*
- Multimedia presentation – Slavko Polak (Slovenia) and Andrej Mihevc:** *Karst and life in the underground*
- 19:30 – 21:00 **Welcome Reception** sponsored by Karst Waters Institute

**Thursday, March 15 – Cultural centre**

**Invited Papers – Age of Karst Landscapes** (Ivan Horaček, Session Chair)

- 09:00 – 09:30 **Franci Gabrovšek (Slovenia):** *On denudation rates in karst*
- 09:30 – 10:00 **Arthur Palmer (U.S.A.):** *Variation in rates of karst processes*
- 10:00 – 10:30 **Wolfgang Dreybrodt (Germany) and D. Romanov:** *Time scales in the evolution of porosity in porous coastal carbonate aquifers by mixing corrosion in the saltwater-freshwater transition zone*
- 10:30 – 11:00 **Philippe Audra (France) et al.:** *Cave and karst evolution in the Alps and their relation to paleoclimate and paleotopography*
- 11:00 – 11:15 Coffee Break
- 11:15 – 11:45 **Andrej Mihevc (Slovenia):** *The age of karst relief in W Slovenia*
- 11:45 – 12:15 **William B. White (U.S.A.):** *Evolution and age relations of karst landscapes*

12:15 – 14:00 Lunch

**Invited Papers – Historical Biogeography** (Philippe Audra, Session Chair)

- 14:00 – 14:30 **David Culver (U.S.A.) and Tanja Pipan:** *What does the distribution of stygobiotic Copepoda (Crustacea) tell us about their age?*
- 14:30 – 15:00 **Leonardo Latella (Italy) and U. Sauro:** *Aspects of evolution of an important geocosystem in the Lessinian Mountain (Venetian Prealps)*

- 15:00 – 15:30 **Oana Moldovan (Romania)** and G. Rajka: *Historical biogeography of subterranean beetles – “Plato’s Cave” or scientific evidence?*
- 15:30 – 15:45 Coffee Break
- 15:45 – 16:15 **Boris Sket (Slovenia)**, Rudi Verovnik, and Peter Trontelj: *Distribution patterns of some Monolista spp. (Crustacea: Isopoda: Sphaeromatidae) and the paleohydrographic history of their distribution area; a study of morphological and molecular markers*
- 16:15 – 16:45 **Ivan Horáček (Czech Republic)**: *Time in karst: a biostratigraphic perspective*
- 16:45 – 17:15 Julian Lewis and **Janet Reid (U.S.A.)**: *Patterns and processes of groundwater invasion by copepods in the Interior Low Plateaus of the United States*
- 17:30 – 18:30 **Optional Visit to Speleobiological station**

### Friday, March 16 – Cultural centre

#### Invited Papers –*Dating methods* (Pavel Bosak, Session Chair)

- 09:00 – 09:30 **Christoph Spötl (Austria)**: *Uranium-series dating of speleothems: establishing time and forcing of carbonate deposition in carbonate systems*
- 09:30 – 10:00 **Philipp Häuselmann (Austria)**: *How to date nothing with cosmogenic nuclides*
- 10:00 – 10:15 Coffee Break

#### Invited Papers – *Paleokarst* (Oana Moldovan, Session Chair)

- 10:15 – 10:45 **Angela McDonnell (U.S.A.)**: *Quantifying paleocave collapse from 3D seismic data: examples from the Paleozoic section in the northern Fort Worth Basin, Texas*
- 10:45 – 11:15 **Pavel Bosák (Czech Republic)**: *Time and karst processes: some considerations*
- 11:15 – 11:45 **Bojan Otoničar (Slovenia)**: *Upper Cretaceous to Paleogene forbulge unconformity associated with foreland basin evolution: Example from SW Slovenia and Istria*
- 11:45 – 12:15 **Robert Loucks (U.S.A.)**: *Megascale architecture and regional distribution patterns of coalesced, collapsed paleocave systems*
- 12:15 – 12:45 **Armstrong Osborne (Australia)**: *The world's oldest caves: - how did they survive and what can they tell us?*

12:45 – 14:15 Lunch

14:30 – 17:30 **Excursion to Škocjanske jame**, a World Heritage and Ramsar site

18:00 – 20:00 **Contributed poster session**

**Saturday, March 17 – Cultural centre**

**Invited Papers – *Sediment and Hydrological Record*** (Megan Porter, Session Chair)

- 09:00 – 09:30 **Stein Erik Lauritzen (Norway)**: *Age of karst in glaciated terrain, with examples from Norway and Svalbard*
- 09:30 – 10:00 **Ira Sasowsky (U.S.A.)**: *Clastic sediments in caves – imperfect recorders of processes in karst*
- 10:00 – 10:30 **Ognjen Bonacci (Croatia)**: *Analysis of long-term (1878-2004) mean annual discharges in the karst spring Fontain de Vaucluse (France)*
- 10:30 – 11:00 **Fred Luiszer (U.S.A.)**: *Timing of passage development and sedimentation at Cave of the Winds, Manitou Springs*
- 11:00 – 11:15 Coffee Break

**Invited Papers – *Age of Animal Lineages*** (Franci Gabrovšek, Session Chair)

- 11:15 – 11:45 **Megan Porter (U.S.A.)**, K. Dittmar, and F. Pérez-Losada: *How long does the evolution of troglomorphic form take? Estimating divergence times in *Astyanax mexicanus**
- 11:45 – 12:15 **Bernard Sige (France)**: *The bearing of paleokarstic mammal faunas on the western European Paleogene biochronology*

12:15 – 13:45 Lunch

- 13:45 – 14:15 **Peter Trontelj (Slovenia)** et al.: *Age estimates for some subterranean taxa and lineages in the Dinaric Karst*
- 14:15 – 14:45 **Eleonora Trajano (Brazil)**: *The challenge of estimating the age of subterranean lineages: examples from Brazil*
- 14:45 – 15:15 **Andreas Wessel (Germany)**, P. Erbe, and H. Hoch: *Pattern and process: Evolution of troglomorphy in the cave-planthoppers of Australia and Hawai'i – Preliminary observations (Insecta: Hemiptera: Fulgoromorpha: Cixiidae)*

16:00 – 17:30 *Visit to Postojnska jama*

18:00 – 19:00 **Summary keynote – Carol Wicks (U.S.A.)** at the Karst Research Institute ZRC-SAZU

19:00 – 21:00 **Closing Reception** Sponsored by Karst Research Institute ZRC-SAZU

**Sunday, March 18**

Optional Field Trip