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May 2022 KC NEWS



Karst photos for Karst Commission webpage

TWe continue to look for photos of karst, groundwater in karst and karst hydrology for use on our website from KC members and friends (with appropriate credit given for the photos used). The aim is to place them on the IAH Karst Commission webpage, so that "every karst area of the world shall be covered...". If you are willing to cooperate, please send them to karstcommissioniah70@gmail.com.



2022 = International Year of Groundwater + International Year of Caves and Karst

Keep in mind that at the moment karst hydrogeologists can enjoy both International years, i.e., Caves and Karst (inherited due to pandemic times) (see http://iyck2021.org) and Groundwater (announced by the UN-Water at its 30th meeting in Rome).

Upcoming KC Events

EGU Assembly (Vienna, Austria): 23 - 27 May 2022

Some of us will probably meet at the EGU Vienna sessions (regular annual General Assembly of the European Geosciences Union) which will take place on the 23 – 27 May 2022. Two twin karst sessions: "Field and modelling approaches for the assessment of hydrogeological and engineering problems in karst" and "Characterization, mapping and simulation of karst features" (ID# HS8.2.3 and ID# HS8.2) will be coordinated by Hervé Jourde, Joanna Doummar, Xiaoguang Wang, Daniel Bittner, Mario Parise, Nataša Ravbar and Isabela Serena Liso. Meeting details should be found on https://meetings.copernicus.org/egu22.



"Classical karst" – 29th International Karstological School in Postojna, 13 – 17 June 2022 dedicated to speleological research

Since 1993, the International Karstological School "Classical Karst" (IKS) has been organised continuously in Postojna, Slovenia by Karst Research Institute ZRC SAZU. The venue offers a framework in which young and established karstologists from all over the world present new research in the field of karstology on the places of the Classical Karst. Each year a leading topic is chosen, covered by invited lecturers, while new findings are also presented by participants. The 29th International Karstological School is dedicated to speleological research and is therefore organized under the name «SPELEOLOGY», but the participants will learn a lot about water balance and speleohydrology, with keynote lecture by KC member P.-Y. Jeannin "How does water flow through karst?". More on https://iks.zrc-sazu.si/en.



EUROKARST 2022 Malaga: 22-25 June 2022 - postponed 50th KC anniversary celebration and many more interesting things

The next conference supported by IAH Karst Commission is EUROKARST 2022 that will take part in Málaga, Spain (22–25 June 2022). We invite all members and friends to join us at the conference and celebrate with us.

The organizers are doing their best to prepare a nice attractive conference on karst hydrology and carbonate reservoirs, those who registered will soon receive a detailed

programme. Just a brief look on what is prepared:

Monday June 20: Hydrokarst Course (first day)

Tuesday June 21: Hydrokarst Course (second day), pre-conference meetings +

welcome cocktail party (ice-breaker)

Wednesday June 22: official opening, lectures and sessions, Young researchers meeting, Water tracing initiative by our member Philippe Meus

Thursday June 23: lectures and sessions, **IAH Karst Commission meeting** (50th anniversary!!!), Gala Dinner

Friday June 24: lectures and sessions, Closing and award ceremony gratitude to the founding KC members as well as awarding a prize to a young karst researcher Saturday June 25: post-conference field trip

Please note that this is only a preliminary programme, the registered participants will soon receive EUROKARST NEWS with more details and perhaps corrections... everyone also is welcomed to visit the conference website http://www.eurokarst.org.



Notice to some issues that are specific to our group:

- 1. Attend the 50th KC anniversary celebration and the gratitude to three founding KC members (Friday afternoon).
- 2. Attend the KC group meeting on Thursday. In addition to current issues, George Veni's will propose collaboration between our group and the UIS. It is also possible that during the meeting, Philippe Meus will present the "water tracing new group" he is interested to establish (and also planned to be presented in another meeting on Wednesday). In addition, our energetic friend Zoran Stevanovic intends to call for a new IAH KC common project to "select, label and protect most important karst springs, globally". Zoran will present his important initiative in the KC meeting.
- 3. Since not all previous chairmen attend the conference, we decided to postpone the greetings for them to the next conference.

4. We urge our members and friends to nominate candidates for the young karst researchers' competition.

In coordination with the organizers, the KC meeting is planned to be hybrid event for all those who are unable to join the meeting in person. We have not yet received the contact details from the organizers.

Willingness to donate: participation of young students at KC meetings

We repeatedly ask mentors and advisors to provide financial assistance to students and young scientists interested in joining Karst Commission meeting in Malaga this year, or voluntarily donate some money for this purpose. Those interested will be able to donate during the Malaga conference (Co-chair Avi Burg will coordinate the donations). Criteria for eligibility and rules funding for young scientist to attend KC meetings can be found on https://karst.iah.org/funding-for-young-scientists-to-attend-conferences.

Visual KARSYSonline course No.14: 20 - 21 June 2022

The next Visual KARSYS course for webtool improving understanding of groundwater flows for geologists and hydrogeologists, engineers, scientists and students, is now organized as part of the EUROKARST 2022 conference by ISSKA - SISKA (Swiss Institute for Speleology and Karst Studies). Participants in the Eurokarst Conference will receive a 50 euros discount on the course price. More details on https://www.visualkarsys.com.

UIS – 18th International Congress of Speleology: 24 – 31 July 2022

The postponed 18th International Congress of Speleology together with its Scientific Conference will take place on the 24 – 31 July 2022 in Savoie Technolac, Le Bourget

du Lac, Savoie, France. Out of 20 symposia, symposium 5 will be dedicated to karst hydrogeology and physical chemistry. Congress webpage: http://uis2021.speleos.fr.



Man and Karst 2022 - Custonaci, Sicily, Italy: 12 - 17 September 2022

The International Scientific Conference "Man and Karst" intends to contribute to the knowledge, enhancement and safeguard of the karst landscape and caves ecosystems as a part of the International Year of Caves and Karst. Dr. Rosario Ruggieri (contact: info@cirs-ragusa.org) organizes the conference in the period of 12 – 17 September 2022 in Sicily in Monti di Capo San Vito (Custonaci Municipality, Province of Trapani). More information about this interesting venue are on www.cirs-ragusa.org.

IAH Karst Commission geotrip that was intended to be organized in coordination with this Conference will be postponed to 2023 in order not to interfere with the forthcoming (and interesting) Man and Karst Conference program.



We use this opportunity to ask our members and friends to offer other impressive and suitable sites for geotrips!!!

49th IAH Congress in Wuhan, China: 18 – 23 September 2022

The 49th IAH (International Association of Hydrogeologists) Congress bring the hydrogeological community together to share ideas, experiences and latest advancements in this field as well as supporting, training and encouraging early career colleagues. The 49th IAH Congress will be held in Wuhan, China in 18 – 23 September 2022.

Considering the COVID-19 pandemic status and current quarantine restrictions, as the health and safety of community is considered at highest priority, the Organizing Committee of the IAH 2022 had to determine that the meeting will be held in hybrid mode to take advantage of the best of both in-person and virtual formats. More details could be found on the IAH 2022 website https://www.iah2022.com.



New papers recommended by the Karst Commission

žvab Ro0i, P., Polenzek, T., Verbovzek, T., Kandu, T., Mulec, J., Vre a, P., Strahovnik, L., Ro0i, B. (2022) An Integrated Approach to Characterising Sulphur Karst Springs: A Case Study of the žvepovnik Spring in NE Slovenia. Water 2022, 14, 1249. https://doi.org/10.3390/w14081249

Patekar, M., Bazi, M., Pola, M., Kosovi, I., Terzi, J., Lucca, A., Mittempergher, S., Berio, L.R., Borovi, S(2022) Multidisciplinary investigations of a karst reservoir for managed aquifer recharge applications on the island of Vis (Croatia). Acque Sotterranee - Italian Journal of Groundwater, 11(1), 37. 48; https://doi.org/10.7343/as-2022-557

Wunsch, A., Liesch, T., Cinkus, G., Ravbar, N., Chen, Z., Mazzilli, N., Jourde, H., Goldscheider, N. (2022) Karst spring discharge modeling based on deep learning using spatially distributed input data. Hydrol. Earth Syst. Sci., 26, 2405. 2430, 2022, https://doi.org/10.5194/hess-26-2405-2022

Members who are interested in recommending a new relevant publication (their own or of their friends) are welcomed to send a link to one of the cochairs.







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