



**Monday 24 June**

**Auditorium San Vincenzo Ferreri**  
(Ragusa Ibla)

**Program**  
(24-25-26 June)

### **Opening of Sessions**

#### **I SESSION: Geology and karst hazard**

- 9.30 - **Mechanical interaction between dolines: their effects on the propagation of fractures in AynZayanah-Al Coeffiah area, Eastern Benghazi Plain, NE Libya**  
Abdelsalam Elshaafi, Mohsen Bazargan, Agust Gudmundsson, Awad Bilal, Rosario Ruggieri & Fathi Salloum
- 9.45 - **The Role of the Lithology on Sinkholes in the Friuli Venezia Giulia Region (Ne Italy)**  
Chiara Calligaris, Chiara Piano, Alice Busetti & Luca Zini
- 10.00 - **Consequences of the Catastrophe of the 2023 Wadi Derna Mega-Flood on Natural Environment, Geological Features, Biodiversity and Natural Resources.**  
Mohamed El Faitouri, Ahmad Muftah, Hwedi El-rishi & Osama El Fallah
- 10.15 - **Verification of the Stability of Caves, The Asphalt Mines of Ragusa and the Case Study of the Karst Caves of the Central Apennines: A Comparative Approach between Man-Made and Natural Environments.**  
Danilo Ranalli, Nicola Aretusi & Loredana Modica
- 10.30 - **Geochemical and Mineralogical characterizations of the Benghazi Formation (Middle Miocene), Soluq Plain, Northeastern Libya**  
Saad El Ebaidi, Abdelsalam Elshaafi, & Ghassan, El Gehani
- 10.45 - **Influence of Structure and Stratigraphy on Karst Development in Ayn Hufrah, NE Libya**  
Akram Zafir, Salah Hassan, Feras Khamis, Saleh Mustafa

**11.00 - Coffee break**

## II SESSION: Paleoclimate and Caves conservation

- 11.15 - **Natural Protected Areas established for geological reasons in Sicily**  
Picciotto F., Arini E., Occhipinti G.
- 11.30 - **Protecting Caves: Activities of the French Federation of Speleology (FFS)**  
Philippe Fleury, Marie-Clélia Lankester, Benjamin Piaudel
- 11.45 - **Cave Conservation Workshop: Approaches to Cave Conservation and Cleaning**  
Ferdinando Didonna, Francesco Maurano & Mariella Serrone
- 12.00 - **Karstic Lakes on the Dumre Plateau in Albania, their Values and Tourist Use**  
Elvira Bollobani
- 12.15 - **Speleothem Records in Northern Tunisia caves: paleoclimatic reconstruction since the last glacial maximum**  
Sahar Ben Hamida, Walid Oueslati, Dominique Genty
- 12.30 - **Past climate change recorded in speleothems**  
Hubert Vonhof
- 12.45 - **The Loddiero Valley (Hyblean Plateau, South-Eastern Sicily): A Natural Laboratory for understanding the Climate Changes from Past to Present**  
Punturo Rosalda, Visalli Roberto, Sturiale Giovanni, Maniscalco Rosanna, Indelicato Valeria, Sangiorgi Viviana, Liggieri Salvo, Di Trio Rita, Cirrincione Rosolino

### 13.00 - Lunch break

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## III SESSION: Archaeology and Paleontology in karst cave

- 14.30 - **Quaternary Mammals from Marine Terraces and Karst Cavities of Sicily: Reasoning on Accumulation Processes and Tentative Correlations**  
Antonella Cinzia Marra
- 14.45 - **Holy water in Sicily: The rock hermitages of the Ibleans**  
Giovanni Di Stefano
- 15.00 - **Update of *Gulo gulo* finds in the north-western Dinaric Alps: regions of the *Österreichisches Küstenland* (Slovenia, Croatia, Italy), *Krain* (Slovenia) and *Friuli* (Italy)**  
Alessio Fabbricatore
- 15.15 - **The Zubbia Cave in Palma di Montechiaro**  
Nuccia Gulli
- 15.30 - **Karst and Fossil vertebrates**  
Carolina Di Patti
- 15.45 - **Trilingual Karstology Knowledge Base: *Termframe***  
Larisa Grčić, Kristian Pintar, Špela Vintar

16.00 - **Mountain karst areas and landscapes in tourism – perception of local residents in Lika, Croatia**  
Ivan Šulc, Anita Bušljeta Tonković, Slaven Gašparović

**16.15 - Coffee break**

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#### **IV SESSION: Karst hydrogeology and water protection**

16.30 - **Hydrogeology of the Classical Karst, Focus on the Westernmost Sector**

Luca Zini & Chiara Calligaris

16.45 - **Description of an accidental polluting event allowing defining the hydrodynamics of a karst aquifer feeding an aqueduct in the Ragusa area (Sicily)**

Paolo Forti & Rosario Ruggieri

17.00 - **A Review of the Hydrogeologic System of Coastal Karstic Aquifer of Ayn Zayanah Area Using Geoelectrical Resistivity Modeling**

Saad M. ElShari, Fathi M. Salloum and, Mohamed B. Abdel Malik

17.15 - **Al Dabusiyah Karstic Spring Water: its Resources, Quality, Sustainable and Management**

Moftah, H. El-Shawaihdi, Nafisa, M. Ibrahim, Younis, M. Awami, Fathi, M. Salloum

17.30 - **The influence of tectonics and paleo-morphology on ground water flows in carbonate context: the Florida basin (Siracusa, Italy)**

Gambino S., Barreca G., Tarascio S., Mineo S., Pappalardo G., Carbone S., Monaco C.

17.45 - **Comparative evaluation of Seawater Intrusion Levels from Karstification Degrees in Salento Aquifers**

Mostafa F. Mostafa, Mario Parise, Isabella Serena Liso.

18.00 - **Deep fresh groundwater resources in southern Sicily identified using deep well data and 3D hydrogeological modelling**

Lorenzo Lipparini, Damiano Chiacchieri, Roberto Bencini and Aaron Micallef

19.30 - **Palazzo Florida (via Torrenuova 87 - Ragusa Ibla)**

**\* Welcome reception**

**\* *Songs of the Mediterranean***

by the Folk Singer *Fiammetta Poidomani*

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**Tuesday 25 June**

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**V SESSION: Karst Geomorphology & Speleology**

- 9.15 - **A preliminary study of some karst phenomena in Marsa Lak doline, Najeb doline, Omer Al Mukthar Cave and Gabes area, East Libya**  
Mohamed Masoud
- 9.30 - **Morphological Survey of the “Grotta Campana” Cave in Sant’Angelo Muxaro (Central Sicily)**  
Antonio Bambina, Giovanni Buscaglia, Gaetano Buscaglia, Giovanni Bruno & Marco Mariano Interlandi
- 9.45 - **Distribution, Structural Genesis, and Wealth of the Coastal Landforms Along Athrun Sea-Cliff in Al Jabal al Akhdar, Northeast Libya**  
Ahmed M. Muftah, Ahmed A. Al Amin & Anas A. Al Kowafi
- 10.00 - **Cave exploration in interior highlands of Papua New Guinea**  
Henry Dosedla
- 10.15 - **Karren of South Provence**  
Martin Knez & Tadej Slabe
- 10.30 - **The Preliminary Research of Magellan’s Cave Microbiome**  
Samvel M. Shahinyan, Bella G. Babayan, Smbat Davtyan, Tigran A. Yesayan, Alexander H. Yesayan, Marina A. Melkumyan
- 10.45 - Karst of Cyrenaica: 2023 Second phase of Research on Al Jabal Al Akhdar, North-East Libya**  
Rosario Ruggieri, Antonio Bambina, Antonello Ingallinera, Marco Dipasquale, Giovanbattista Mazzara, Giovanni Gianninoto, Abdelsalam Elshaafi, Awad Bilal, Fathi Salloum, Saad El-Shari

**11.00 - Coffee break**

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**VI SESSION: Lava caves & Mines and artificial caves in karst areas**

- 11.15 - **Degassing driving crystallization of plagioclase phenocrysts in lava tube stalactites on Mount Etna (Sicily, Italy)**  
Carmelo Ferlito & Gabriele Lanzafame
- 11.30 - **Secret Tubes of Timanfaya (Spain): Caving Expedition in a National Park**  
Jean-Marc Verdet and Philippe Fleury
- 11.45 - **Detection and characterization of volcanic and karstic caves: geophysical and 3D surveys**  
Grassi S., Giudice G., Morreale G., Messina D., Monforte P., Imposa S.



## POSTER SESSION

- **Floristic and Microclimatic Characteristics of the Entrance part of Golubnjača Cave (Plitvice Lakes National Park), Croatia**  
Suzana Buzjak, Nenad Buzjak & Duje Kalajžić
  - **Origin and evolution of the sinkholes located in the south of the village of Esine (Brescia)**  
Rosario Abbate & L. Clarari
  - **A first contribution to the knowledge of speleological dialect terminolgy in Sicily**  
Rosario Abbate & Grazia Dottore
  - **Fossilized bones remains inside the “Grotta dei Porci” on Monte Misericordia in the territory of Valderice (TP): Hypothesis of A Prehistoric Funerary Site**  
Roberto Grammatico, Simona Torre, Rosario Bonventre, Roberto Mazzeo, Dario Caparotta
  - **The Gabara Mine Park: A Place of Memory Recalling the Sulfur Exploitation in Sicily, Italy**  
Rosalda Punturo, Rosanna Maniscalco, Angelo La Rosa, Rosolino Cirrincione
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17.00 - **Visit of Asphal mines of Tabuna (Ragusa)**

21.00 - **Auditorium San Vincenzo Ferreri**

**Video Projection: *Speleomedit: Conservation and documentation of Mediterranean caves***

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### Wednesday 26 June: full day excursion

7.30 - Departure for field trip of Pantalica Natural Reserve (Ferla town side)

9.00 - Valle dell' Anapo - Pantalica - Grotta dei Pipistrelli

13.00 - Welcome in the Natural Reserve Grotta Monello

14.00 - Visit of Monello Cave & and Chiusazza cave

16.30 - Departure to return to Ragusa

19.30 - Departure for Castello di Donnafugata

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CASTELLO DI DONNAFUGATA

- Events:

\* **Concert Duæ Siciliae Sax Ensemble**

\* **Gala reception - CIRS 50° Anniversary 1974-2024**