

MODERN AND FOSSIL MICROBES-WATER-MINERAL INTERACTION ALONG THE CALABRIAN ARC

The field trip allows to visit different depositional settings (from the past to modern environments), where **micro-organism-mediated minerals** precipitate.

PROGRAM

Day one: on June 22th, meeting point in Cosenza/Rende or at Lamezia Terme Airport, followed by departure towards Belcastro (CZ). Visit to the most extensive **fossil cold seep microbial carbonate system** ever documented in the fossil record. After lunch departure for **Petilia Policastro**, where the base of the Crotone Basin fill succession and the deposits of the Messinian Salinity Crisis crop out. Departure for Zinga. Visit to the **salt diapir** of the Vittravo River. Return to Cosenza.

Day two: on June 23th, departure towards Caulonia (RC) to visit the **San Blasio pyrite and arsenopyrite mine**. After lunch departure towards the Ficara district (Caulonia), where a stream with possible **bio-induced copper mineralization** can be observed. Return to Cosenza.

Day three: on June 24th, departure towards Buonvicino (CS) to visit the Upper **Triassic succession**, which displays the development of two distinct complete carbonate platform systems in stressed environments, as well as the **present-day tufa deposits** forming along multiple tributaries of the Corvino River.



COORDINATORS

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DATES

Post-Conference – POST-04
Starts: June 22, 2025 at 8:00 AM, at Cosenza
Ends: June 24, 2025 at 19:00 PM, at Cosenza

NUMBERS OF PARTECIPANTS

Minimum: 06 | Maximum: 12

COST

Price per person: 350 Euro
(Travel accident insurance and medical coverage is not included)

TYPE OF TRANSPORTATION

Van for intercity trips and visits

PREREQUISITES

Participants should be able to walk medium-long distances and hike along easy paths.

EQUIPMENT FOR INDIVIDUAL USE

Protective sun cream
Hiking boots are recommended.

INCLUDED IN THE PACKAGE

Transfers from and to Cosenza/Rende or Lamezia Terme Airport.
Meals: breakfast, pocked lunch, and dinner in local restaurants
Accommodation in double or triple rooms (two night in Cosenza).