

September 20-23 2021

Faults and fractures in outer fold-and-thrust belts: a 4 day-long field trip through the Apennines of central and northern Italy

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SOCIETÀ GEOLOGICA ITALIANA



TARGET

Ms students, PhD students and early career researchers.

PARTICIPANTS

Max 20 participants. Bookings are available on a first-come, first-serve basis. COVID-19 vaccine is mandatory.

FEES

400€ SGI members, 430€ for non members. Fees include insurance, travel, and accommodation expenses. Discount applies for participants using their own vehicle.

WHERE

The starting and return point is the Sapienza University of Rome. Visited outcrops are located near the cities of Carsolli (AQ), Avezzano (PE), Macerata, and Forlì.

PROGRAM

The field trip includes field activity during the day and discussion/practical exercises during the evening.

Day 1

Sites: Pietrasecca and Venere faults

Topics: Damage zones and fault cores associated with extensional faults in platform carbonates. Scan lines and scan areas. Fracture porosity, fracture permeability, and Discrete Fracture Network modelling.

Days 2-3

Site: Sibillini thrust and related anticline

Topics: Damage zone associated with thrust faults. Pre-, syn-, and late-folding background fracturing in carbonates, stress evolution in fold-and-thrust belts. Fault growth by linkage.

Day 4

Site: Sarsina

Topics: Mechanical stratigraphy in folded turbidite sandstones. Fracture topology. Facies-related fracturing

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