

From Permian extension to Alpine shortening: the Aga-Vedello Low-Angle Normal Fault and the Orobic Thrust (central Southern Alps)

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Organizing Committee: S. Zanchetta, A. Zanchi, S. Locchi, C. Montemagni
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PROGRAM

Wednesday 1/09/2021: Meeting h 18:00 in Carona (BG), dinner and presentation of the field trip

Thursday 2/09/2021: Transfer Carona - Lago del Diavolo - Passo di Cigola
Offroad car transfer from Carona to Lago del Diavolo. Mountain path from Lago del Diavolo (2142 m) to P.so di Cigola (2486 m, ca. 350 m of elevation gain, 1h).
Return to Lago del Diavolo and car transfer to Carona (arrival time h 18:00). Dinner and overnight.

Friday 3/09/2021: h 8:00, car transfer from Carona to Passo San Marco.
Footpath Rif. Cà San Marco (1830 m) - P.so del Verrobbio (2042 m; 200 m of elevation gain, 40 min.)
Return and ascent to P.so San Marco (by car or on foot). Descent along road to Rif. S. Marco 2000.
Transfer to Bergamo (arrival time h 18:00).

GEOLOGY

Pizzo del Diavolo Fm.

Thursday 2/09/2021: The Aga-Vedello LANF (Low-Angle Normal Fault). Preserved structures related to the opening of the Permian Orobic basin. Syn-sedimentary tectonics along the main LANF. Metasomatic phenomena along the LANF surface and U-mineralizations. Partial to complete re-activation of Permian structure during the Alpine shortening.

Friday 3/09/2021: The Orobic Thrust at P.so San Marco. Kinematic and fault rocks of the main tectonic structure of the central Southern Alps. Evidence for a pre-collisional development of the central Southern Alps

The field trip will take place in a high mountain environment, above 2000m. Trekking shoes and warm clothes are mandatory.

The organization will provide to:

- jeep transfer from Carona to Lago del Diavolo and return on day 2/09
- booking for the 2 nights stay in Carona

All costs will be directly paid by participants on-site, a total cost of ca. 150 euro is estimated

All participants must have an institutional or personal insurance.

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