

3 Mid - The secrets of the Albano crater lake

Excursion Leaders: Anzidei - Carapezza - Giordano

Proposed Excursion Dates: 16th July 2023

Draft Itinerary: Departure from Rome by bus to Albano lake. Stop on the beach and walk around the lake (mx 9 km – 3 hours). Lunch and back to Rome in the afternoon.

Definitive cost per head: € 100

Accommodation arrangements: Hotel Guesthouse Hostel other (please include details)

Proposer Contact Details:

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Description

The Albano Lake is the deepest volcanic lake in Italy (about -167 m) and fills the youngest maar of the quiescent Colli Albani volcano. The lake has undergone significant level changes and lahar generating overflows occurred about 5800 yrs B.P. and likely in 398 b.C., when Romans excavated a tunnel drain through the maar wall. Hazardous lake rollovers and CO₂ release are still possible because the Albano volcano shows active ground deformation, gas emission and periodic seismic swarms. In 2005, a high resolution bathymetric survey of the Albano Lake shown 2-D and 3-D images of the crater lake floor, which is made by coalescent and partly overlapping craters and wide flat surfaces separated by some evident scarps. Submerged morphology suggest lake level changes and recent activity of the crater. Presently, the lake level is rapidly falling after the last seismic swarms causing shoreline retreat and the draining of the tunnel.

Stops are planned at the main beach, the roman tunnel and along the lake borders. Local facilities include bar and restaurants, sailing and rowing.

