

4 Mid - Archaeoseismological evidence of past earthquakes in Rome

Excursion Leaders: Fabrizio Galadini⁽¹⁾, Emanuela Falcucci⁽¹⁾, Stefano Gori⁽¹⁾,

(1) Istituto Nazionale di Geofisica e Vulcanologia,

Excursion Dates: 16th July 2023

Draft Itinerary: Roma

Definitive cost per head: €50

Minimum number of participants: 15

Maximum number of participants: 30

Proposer Contact Details:

Fabrizio Galadini Emanuela Falcucci

Institution and Address: Istituto Nazionale di Geofisica e Vulcanologia – Via di Vigna Murata 603, 00122 Roma

Email: fabrizio.galadini@ingv.it; emanuela.falcucci@ingv.it

Description

A number of earthquakes have struck Rome during 5th-9th century A.D. Some earthquakes are known from historical sources (443, 484-508, 618, 801, 847); in some cases (443, 484-508, 801) damage has been documented. Archaeological sources define collapse layers and evidence of destruction at different sites consistent with the effects of seismic shaking. However, chronological constraints are often inconclusive and, therefore, collapse and destruction have been alternatively attributed to one or the other among the mentioned earthquakes. A walk to ancient Rome and through the available traces of past earthquakes of Late Antiquity and the High Middle Ages will try to address problems of seismicity in Rome and central Italy.



Archaeological excavations at Palazzo Spada: fragments of the floor in the position after the collapse, during which they were tilted and juxtaposed