TAPEnADe

Tools and **A**cquisition **P**rotocols for **En**hancing **A**rtifacts **D**ocumentation

Case Study: Archaeological excavation area of Pava, Siena (Italy)

The heritage area of Pava is ca 60 x 50 m and was surveyed with a UAV platforms to produce documentation material and compute excavation volumes. The UAV block was acquired at a fighting height of ca 35 m with a Microdrone MD4-200 (Zenit srl) which delivered ca 40 images with an average GSD of ca 1 cm. The camera was a Pentax Optio A40 with a 8 mm lens, 12 Mpx, pixel size 1.9 µm.

The image block was processed with the TAPEnADE tools in ca 3 hours, producing a point cloud of approximately 60 million points.
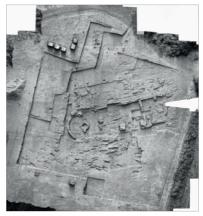

Fig.1: The site.

Fig.2: Shaded view of the geometric model.

Fig.3: Othoimage.