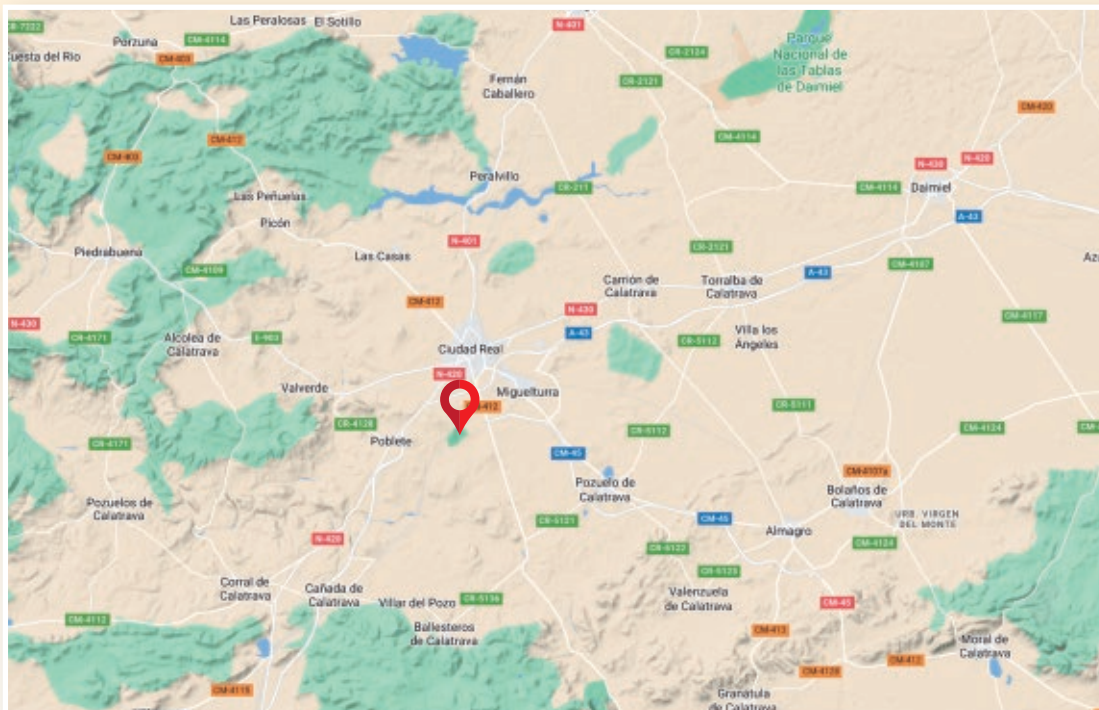




GOOGLE MAPS 38.939300, -3.930625



www.proyectogeoparquevolcanesdecalatrava.es



Ciudad Real
AYUNTAMIENTO

PROJECT

CALATRAVA VOLCANES GEOPARK. CIUDAD REAL

NATURAL MONUMENT
OF HOYA DEL MORTERO



- Magma
- Mercury
- Coal



Castilla-La Mancha





The very well preserved maar-type volcanic edifice (Fig. 1) of “Hoya del Mortero” constitutes one of the best examples of a maar with annular rim in the volcanic region of Campo de Calatrava; this is an easily accessible, attractive, informative and highly didactic geosite.

It is a hydromagmatic explosion crater originated by the interaction of a magmatic heat source with water (Fig. 3.1). It was generated in a setting of soft rocks, which gives it a smooth morphology, still well preserved, with a ring-shaped deposit of very variable granulometries that gives it a circular morphology with an average diameter of 800 metres and with slopes of up to 30 metres. The hydromagmatic explosions that opened up

El Mortero generated pyroclastic surges and explosion breccias the deposits of which can be seen in the AVE railway trench and in the abandoned quarries on its northern slope (Fig. 2).

The landscape features a great contrast between the hollow of the crater and the surrounding environment of smoothed reliefs. The landscape is completely humanised, with cereal crops, almond and olive trees (Fig. 3).

This volcanic edifice has been declared a Natural Monument, is included in the Campo de Calatrava steppe bird area (ZEPA) and forms part of the IGME list, Site of Geological Interest –LIG TM137– “Maar of Hoya del Mortero”.



Work derived from Mapa-LiDAR 2019 CC-BY 4.0 scne.es – Fig. 1



Fig. 2



Fig. 3