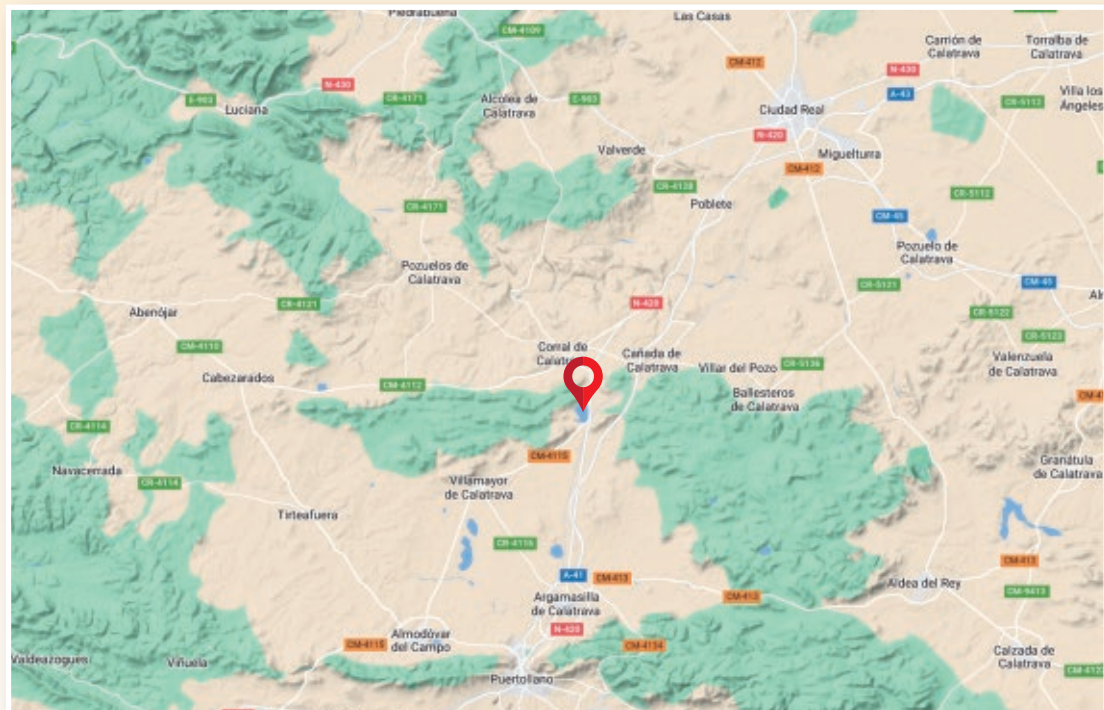




GOOGLE MAPS 38.835232, -4.070811



[www.proyectogeoparquevolcanesdecalatrava.es](http://www.proyectogeoparquevolcanesdecalatrava.es)



Ayuntamiento de Caracuel de Calatrava



Ayuntamiento de Corral de Calatrava

# PROJECT CALATRAVA VOLCANOES GEOPARK. CIUDAD REAL

## CARACUEL LAGOON MICRORESERVE



- Magma
- Mercury
- Coal



Castilla-La Mancha





The Caracuel lagoon is a maar-type volcanic formation. Maars are produced when water, either surface or underground, interacts with a magmatic heat source, which causes water to vaporise, triggering powerful explosions due to the steam pressure and creating a crater surrounded by ring-shaped deposits from the sedimentation of the materials that are radially displaced from the centre of the eruption as “burning clouds” (Fig. 1).

The ellipsoidal lagoon vessel has a long axis of 1.4 kilometres and a short axis of more than a thousand metres, with a depressed area and a ring-shaped perimeter full of hydromagmatic deposits. Its northwestern edge is framed by quartzite escarpments with a drop of more than

100 metres. The rest of its perimeter is open and is surrounded by a ring of materials from the explosion (Fig. 2).

The Maar of the Caracuel lagoon is located in an area with very intense and complicated fracturing. These fracture lines were formed by the movements and thrusts of the terrain throughout a long geological history. The main rivers of the area are channelled along them. Volcanic edifices also follow these alignments (Fig. 3).

Due to the diversity and interest of its habitats and species, and its unique geological formation, it is protected as a Microreserve and forms part of the Natura 2000 Network ZEC.

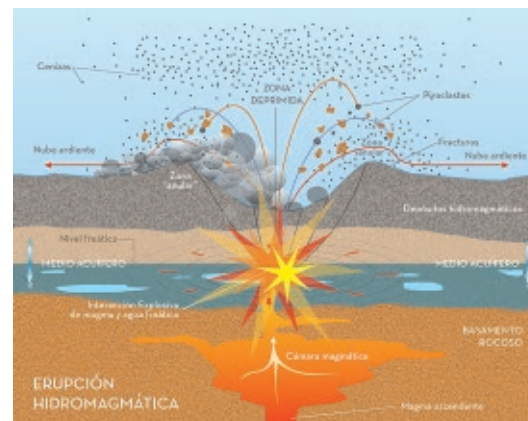
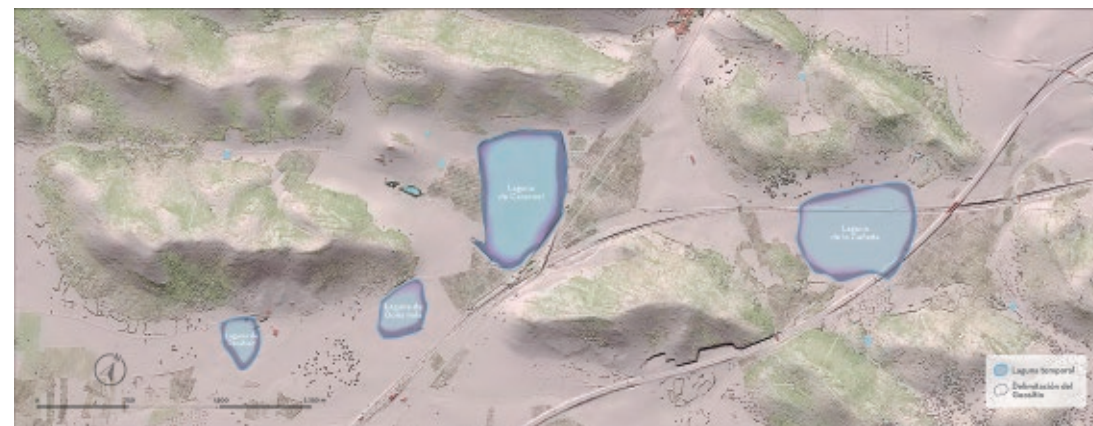


Fig. 1



Based on E. González - Fig. 2



Work derived from Mapa-LiDAR 2019 CC-BY 4.0 scne.es - Fig. 3