

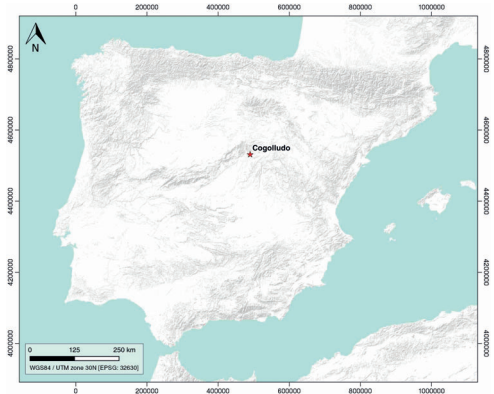
Cogolludo

ID #116

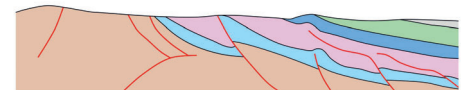
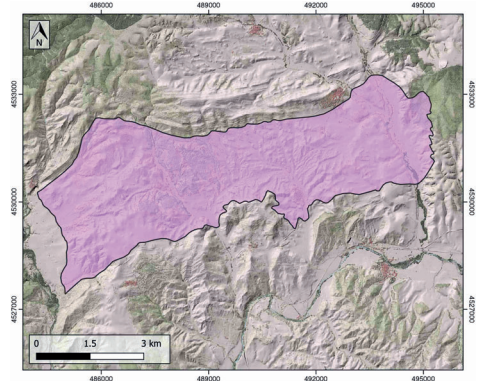
GENERAL INFORMATION

Structure type	Evaporite body
Deformed/Undeformed	Deformed
Geological Setting	Tagus Basin, Madrid Sub-Basin
Outcropping/buried	Outcropping
Evaporite unit/s name	Jadraque and Cogolludo Gypsum Units
Evaporite unit/s age	Late Cretaceous-Middle Eocene
Evaporite unit/s origin	Continental
Classif. (Hudec and Jackson, 2009)	No diapirism
Classif. (Jackson and Talbot, 1986)	No diapirism
Other comments	Outcrops correspond to fault-propagation folds of the (buried) Cogolludo back-thrust system. Thickness of evaporite layers remain constant during thrusting and subsequent folding, according to the seismic data (see de Vicente and Muñoz-Martín, 2013).

LOCATION



SHAPE AND SUB-SURFACE STRUCTURE



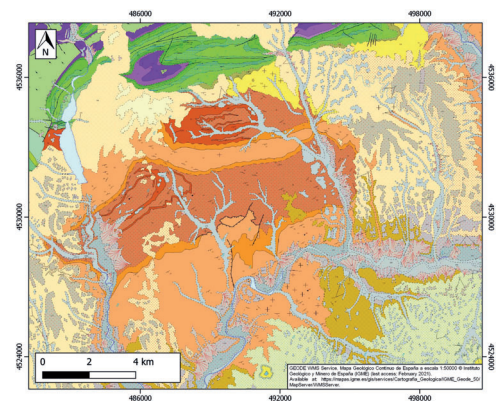
STRATIGRAPHY AND STRUCTURE

Evaporite unit/s composition	Gypsum – Sandstone
Post-evaporite and pre-kinematic unit/s	Eocene (marlstones, sandstones and limestones) ; Late Eocene (limestones and marlstones)
Syn-kinematic unit/s	Oligocene (shales, sandstones and conglomerates) ; Early Miocene (conglomerates and calcareous breccias)
Post-kinematic unit/s (or post-evaporite deposition when undeformed)	Middle Miocene (shales, marlstones, limestones) ; Late Miocene ; Quaternary
Age of evaporite flow or deformation (when deformed)	Oligocene to Miocene
Flow or deforming triggering mechanisms	Compression related to tectonic stresses transmitted from the northern Pyrenean border
Halokinetic structures	Syncline-Anticline folding / Progressive unconformities / thrust faults

SUB-SURFACE DATA AVAILABILITY

Available borehole data	No
Available seismic data	Yes

GEOLOGY (GEODE IGME)



MAIN REFERENCES

Stratigraphy	De Vicente and Muñoz-Martín (2013)
Regional Stratigraphy	Cañaveras et al. (2020)
Structure	De Vicente and Muñoz-Martín (2013)
Regional Structure	De Vicente et al. (1995)
Gravimetry	De Vicente and Muñoz-Martín (2013)
Petrophysics/Paleomagnetism	nd



IBERIAN
EVAPORITE
STRUCTURE
DATABASE