

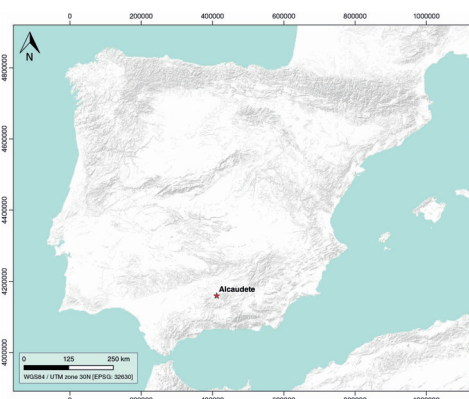
Alcaudete

ID #103

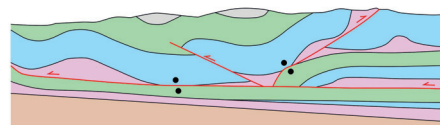
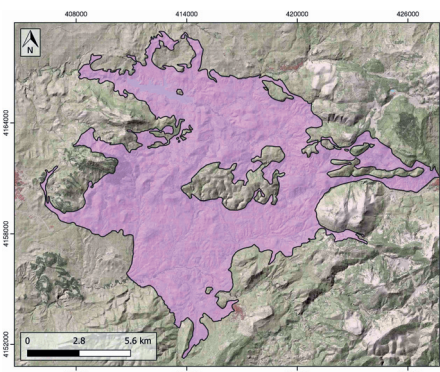
GENERAL INFORMATION

Structure type	Evaporite Diapir
Deformed/Undeformed	Deformed
Geological Setting	Betic system, Sub-Betic cordillera
Outcropping/buried	Outcropping
Evaporite unit/s name	Keuper facies
Evaporite unit/s age	Carnian-Rhaetian (Upper Triassic)
Evaporite unit/s origin	Marine
Classif. (Hudec and Jackson, 2009)	Ductile piercement, Thrust piercement
Classif. (Jackson and Talbot, 1986)	Salt pillow
Other comments	Complex tectonics, Keuper materials reworked by Miocene gravitational landslides.

LOCATION



SHAPE AND SUB-SURFACE STRUCTURE



STRATIGRAPHY AND STRUCTURE

Evaporite unit/s composition	Shale-Gypsum-Limestone-Dolostone
Post-evaporite and pre-kinematic unit/s	Lower Jurassic (limestones, dolostones, marly limestones, marlstones); Middle Jurassic (limestones, oolitic limestones, marlstones, dolerites); Upper Jurassic (radiolaritic limestones, marlstones and breccias)
Syn-kinematic unit/s	Cretaceous (limestones, shales, marlstones, marly limestones, radiolaritic marlstones)
Post-kinematic unit/s (or post-evaporite desposition when undeformed)	Palaeocene-Eocene; Oligocene-Burdigalian; Middle-Upper Miocene; Quaternary
Age of evaporite flow or deformation (when deformed)	Lower Cretaceous, Upper Cretaceous, Quaternary / Active now(?)
Flow or deforming triggering mechanisms	Traspressive-transpressive fractures (N95° to N130°)
Halokinetic structures	Progressive unconformities / thrusts / overturned flanks / roll-over anticlines

SUB-SURFACE DATA AVAILABILITY

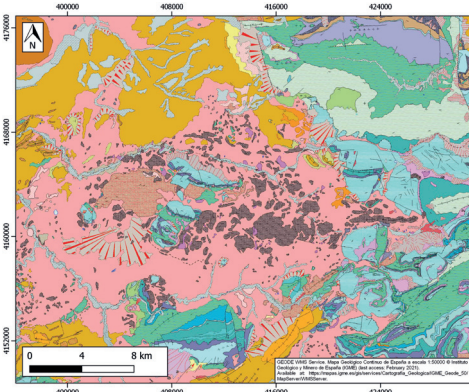
Available borehole data	Yes
Available seismic data	Yes



MAIN REFERENCES

Stratigraphy	Pérez-López and López-Chicano (1999)
Regional Stratigraphy	Flinch and Soto (2017)
Structure	Blankenship (1992)
Regional Structure	Berástegui et al. (1998)
Gravimetry	García-Castellanos et al. (2002)
Petrophysics/Paleomagnetism	nd

GEOLOGY (GEODE IGME)



IBERIAN
EVAPORITE
STRUCTURE
DATABASE