

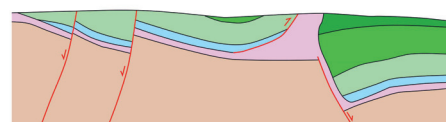
### GENERAL INFORMATION

Structure type	Evaporite Diapir
Deformed/Undeformed	Deformed
Geological Setting	Algarve Basin, Western Domain
Outcropping/buried	Partially buried
Evaporite unit/s name	Hettangian Evaporites Unit
Evaporite unit/s age	Hettangian (Lower Jurassic)
Evaporite unit/s origin	Marine
Classif. (Hudec and Jackson, 2009)	Passive piercement
Classif. (Jackson and Talbot, 1986)	Salt wall
Other comments	Linked to the south-eastwards dipping Espiche normal fault, overprinted by a southeast vergent thrust. Salt wall was overprinted by the pre-Miocene contractional tectonics in the Algarve basin. The Espiche fault is the western continuation of the Algrebra Fault, which controlled the evaporite deposition.

### LOCATION



### SHAPE AND SUB-SURFACE STRUCTURE



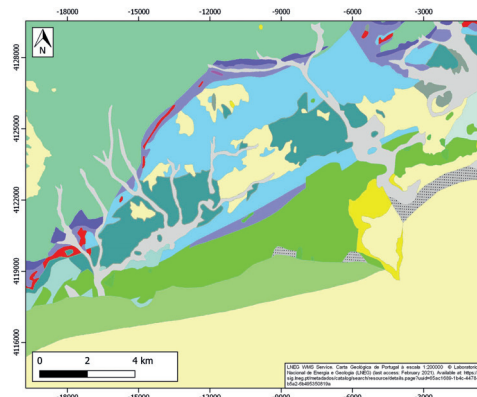
### STRATIGRAPHY AND STRUCTURE

Evaporite unit/s composition	Claystonestone-Gypsum-Halite
Syn-kinematic unit/s	Callovian (yellow marls and limestones) ; Oxfordian (limestones and marly limestones intercalation) ; Kimmeridgian (limestones and dolostones) ; Tithonian (limestones) Lower Cretaceous (limestones, marlstones, conglomerates and sandstones)
Post-evaporite and pre-kinematic unit/s	Early Jurassic (dolostones and limestones)
Post-kinematic unit/s (or post-evaporite deposition when undeformed)	Pliocene and Quaternary (alluvial and colluvial detrital deposits)
Age of evaporite flow or deformation (when deformed)	late Oligocene, Lower Oligocene, Middle Jurassic to Lower Cretaceous
Flow or deforming triggering mechanisms	Extensional regime in the Algarve basin (main stage) Alpine compression (reactivation stage)
Halokinetic structures	Syncline-Anticline folding / thrust faults / halite recrystallization veins / progressive unconformities

### SUB-SURFACE DATA AVAILABILITY

Available borehole data	No
Available seismic data	No

### GEOLOGY (GEODE IGME)



### MAIN REFERENCES

Stratigraphy	Ramos et al. (2017)
Regional Stratigraphy	Ramos et al. (2017)
Structure	Ramos et al. (2016)
Regional Structure	Kullberg et al. (2009)
Gravimetry	Ayala et al. (2016)
Petrophysics/Paleomagnetism	nd

