

Vallfogona

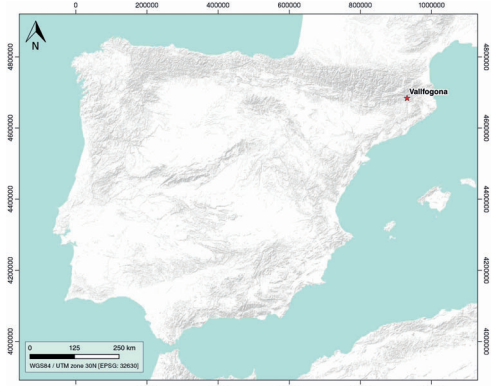
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SUMARIZED INDEX CARD
Downloaded from Iberian Evaporite Structure DataBase

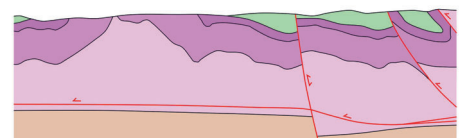
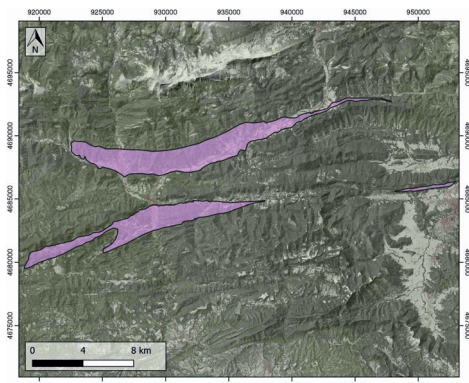
GENERAL INFORMATION

Structure type	Evaporite-detached thrust
Deformed/Undeformed	Deformed
Geological Setting	Southern Pyrenees, Cadí thrust sheet
Outcropping/buried	Partially buried
Evaporite unit/s name	Beuda Fm., Vallfogona Fm. and Serrat Evaporites Units
Evaporite unit/s age	Late Cuisian-Lutetian (Eocene)
Evaporite unit/s origin	Marine
Classif. (Hudec and Jackson, 2009)	Thrust piercement
Classif. (Jackson and Talbot, 1986)	nd
Other comments	Southern boundary of the Cadí thrust sheet. Out-of sequence structures developed due to lateral stratigraphic variations of the Serrat evaporites unit. Vallfogona Fm. Mainly constituted by limestones but with interlayered laminated gypsum and gypsum breccias.

LOCATION



SHAPE AND SUB-SURFACE STRUCTURE



STRATIGRAPHY AND STRUCTURE

Evaporite unit/s composition	Shale-Gypsum-Sandstone-Halite-Anhydrite
Syn-kinematic unit/s	Middle-Upper Lutetian (Banyoles Fm., marlstones and shales) ; Upper Lutetian (Coubet Fm., sandstones and shales) ; Upper Lutetian (Bellumnt Fm., conglomerates and sandstones)
Post-evaporite and pre-kinematic unit/s	-
Post-kinematic unit/s (or post-evaporite desposition when undeformed)	Neogene (Empordà Graben fill) ; Pleistocene (siltstones and sandstones) ; Quaternary
Age of evaporite flow or deformation (when deformed)	Eocene to Oligocene
Flow or deforming triggering mechanisms	Alpine compression and southwards propagation of the Cadí thrust sheet
Halokinetic structures	Out-of-sequence thrusts / anticline-syncline folding / Low-angle unconformities

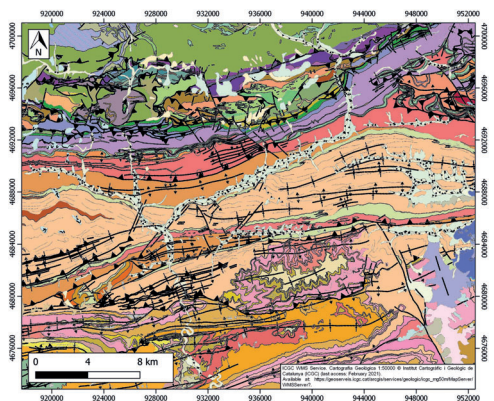
SUB-SURFACE DATA AVAILABILITY

Available borehole data	Yes
Available seismic data	Yes

MAIN REFERENCES

Stratigraphy	Carrillo et al. (2014)
Regional Stratigraphy	Carrillo (2009)
Structure	Carrillo et al. (2017)
Regional Structure	Burbank et al. (1992)
Gravimetry	Martínez et al. (1997)
Petrophysics/Paleomagnetism	Burbank et al. (1992)

GEOLOGY (GEODE IGME)



IBERIAN
EVAPORITE
STRUCTURE
DATABASE