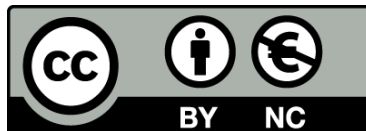




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Extensional development and contractional reactivation of salt walls: examples from the southeastern Paradox Basin (SW Colorado) and the Eastern Prebetic Zone (SE Spain)

Frederic Oriol Escosa Bernal



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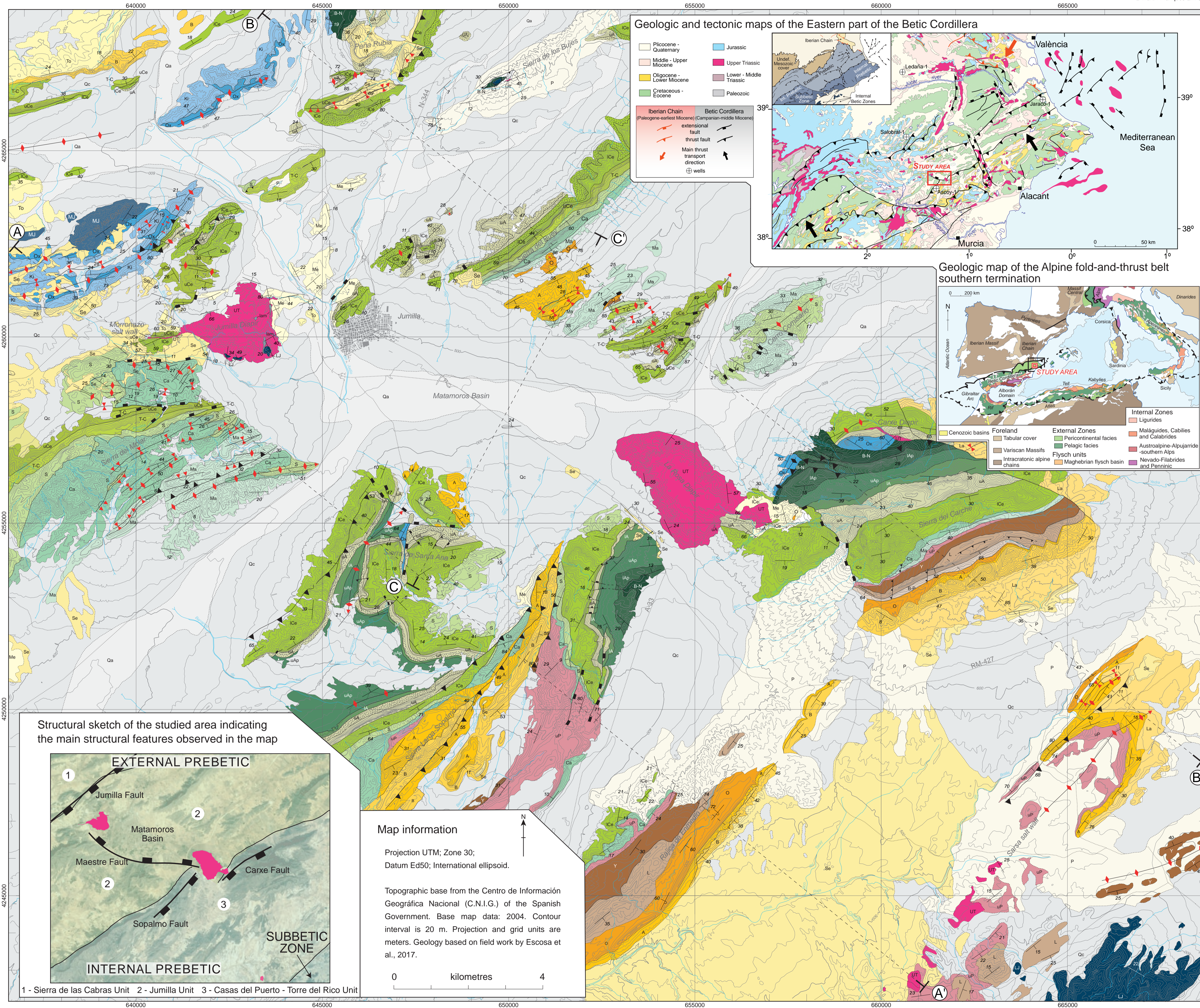
1: 50,000 GEOLOGICAL MAP OF THE EASTERN PREBETIC ZONE AT THE JUMILLA REGION (SE IBERIA)

Frederic Oriol Escosa, Oriol Ferrer and Eduard Roca

Institut de Recerca Geomodels
 Departament de Dinàmica de la Terra i de l'Oceà
 Facultat de Ciències de la Terra
 Universitat de Barcelona, Barcelona, Spain.
 c/ Martí i Franquès s/n. 08028 Barcelona.



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Geologic Map Units

Post-orogenic

- Qc Quaternary colluvial
- Qa Quaternary alluvial
- P Pliocene
- lam Pliocene - Messinian (lamproitic rocks)
- Me Messinian
- To Tortonian

Miocene

- Se Serravallian
- La Langhian
- B Burdigalian
- A Aquitanian
- O Oligocene

Eocene

- B-P Barto. - Priab.
- L Lutetian
- Y Ypresian

Upper Cretaceous

- uP upper Paleocene
- Ma Maastrichtian
- Ca Campanian

Syn-extensional (coeval to South Iberian passive margin development)

- S Santonian
- T-C Turonian to Coniacian
- uCe upper Cenomanian
- lCe lower Cenomanian (marls / dolostones)
- uAl upper Albian (sands / limestones)
- lAl lower Albian
- uAp upper Aptian
- lAp lower Aptian
- B-N Barremian Neocomian

Lower Cretaceous

- Ki Kimmeridgian
- Ox Oxfordian

Upper Jurassic

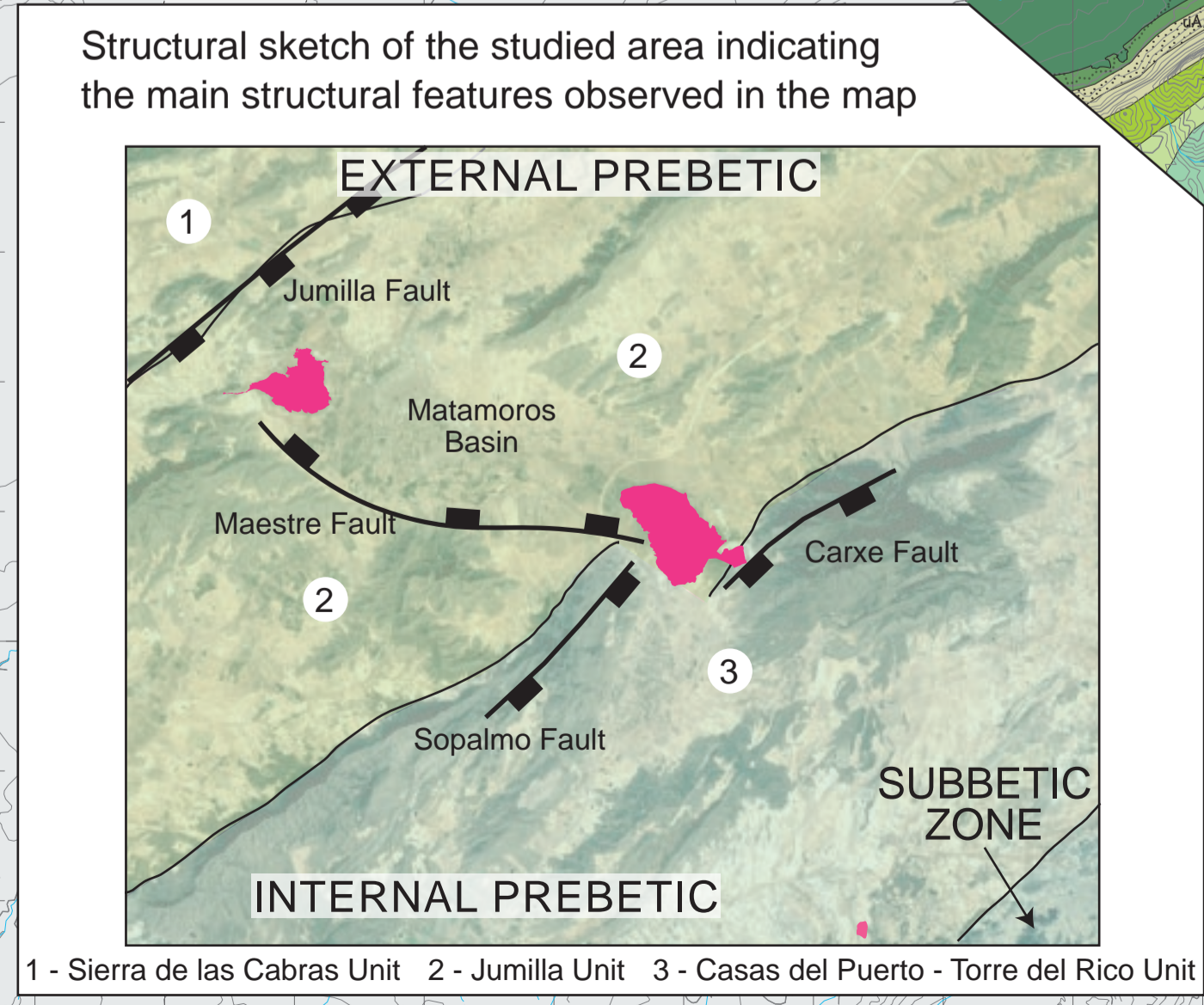
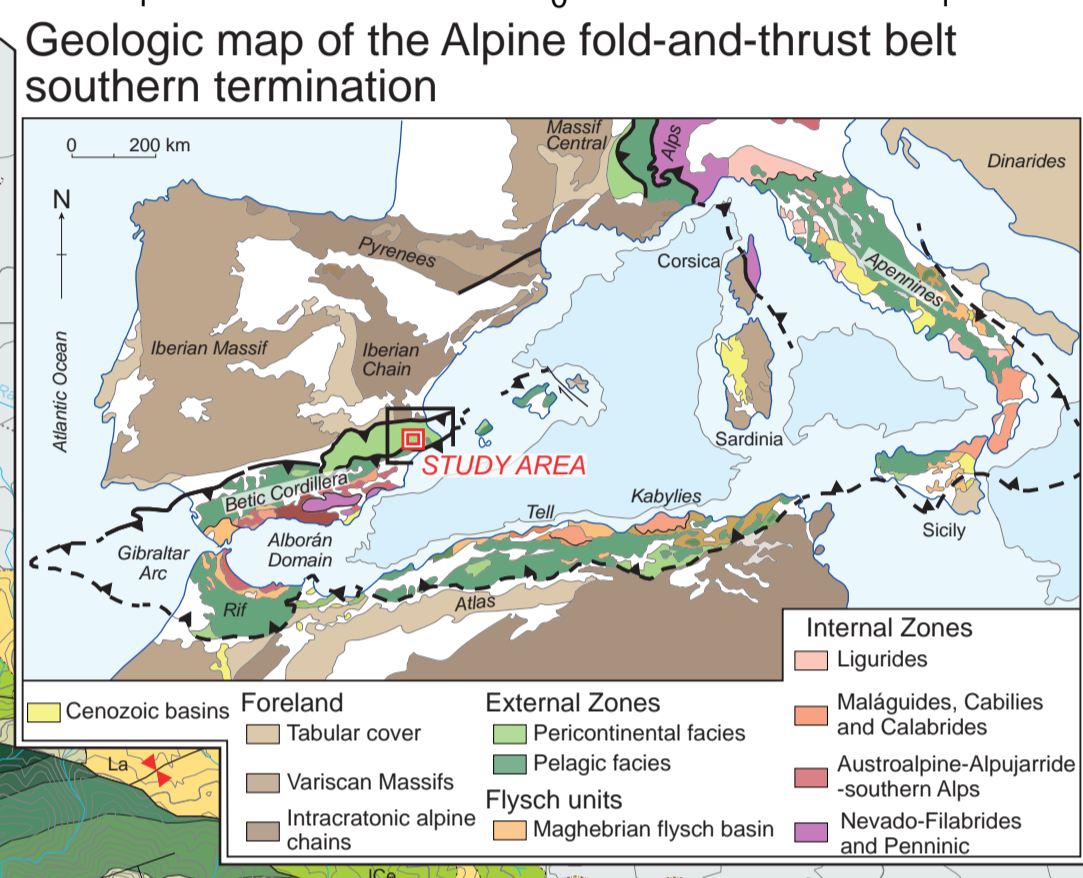
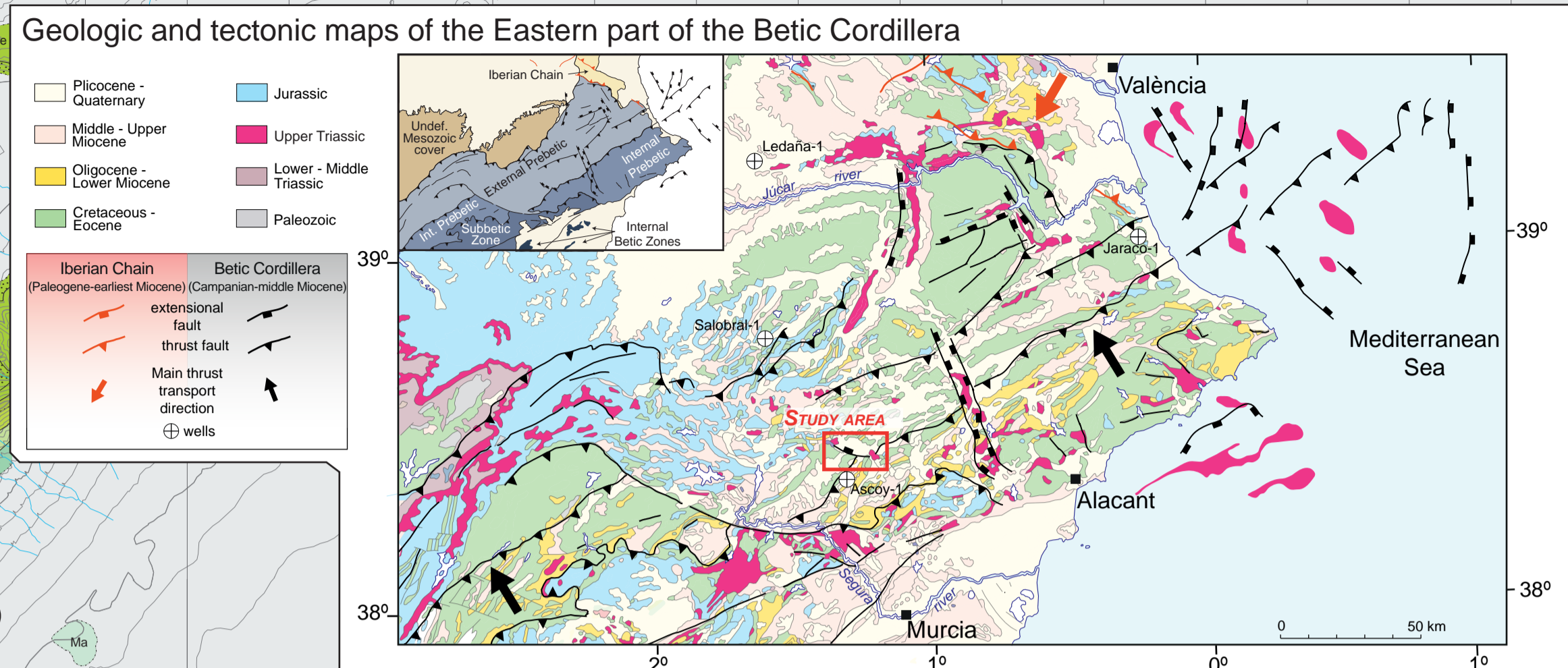
Pre-extensional

- MJ Middle Jurassic
- LJ uppermost Triassic - Lower Jurassic
- UT Upper Triassic

Symbols

- 27 Normal dip
- 60 Overtured dip
- Vertical dip
- Contact
- Unconformity
- Syncline
- Anticline
- Thrust fault
- Extensional fault
- Roads
- Overtured syncline
- Overtured anticline

* The fault symbols depicted in this map reflect the stratigraphical relationship of hanging wall to footwall (i.e. thrust: older over younger; normal: younger over older).



Map information

Projection UTM; Zone 30;
 Datum Ed50; International ellipsoid.

Topographic base from the Centro de Información Geográfica Nacional (C.N.I.G.) of the Spanish Government. Base map data: 2004. Contour interval is 20 m. Projection and grid units are meters. Geology based on field work by Escosa et al., 2017.

0 4 kilometres