

RECENT RESEARCH PROJECTS FUNDED BY PUBLIC AGENCIES:

Evaporitic restriction in the Internal Betic Basins and its relation with the Messinian Salinity Crisis. P.I. *Lluís Gibert*. 2017-19.

The role of insularity and later paleogeographic isolation of Iberia in important biotic crises of the Cretaceous-Paleogene. Biostratigraphic and paleoenvironmental applications. P.I. *Carles Martín-Closas*. 2016-2018.

Fluid flow during the evolution of an orogen: diagenetic, hydrothermal and metamorphic characterization applied to gas storage and mineral exploration. P.I. *Anna Travé*. 2016-18.

Iberian Amber: An Exceptional Record of Cretaceous Forests at the Rise of Modern Terrestrial Ecosystems. P.I. *Xavier Delclòs*. 2015-2017.

Late Miocene evaporitic events in the Lorca, Baza and Granada Basins (Betic Range): Genesis, chronology and palaeogeography. P.I. *Lluís Gibert*. 2014-2016.

Understanding the interplay between dynamic fluid flow and structural diagenesis during the evolution of fold and thrust belts, using the Southern Pyrenees as a natural laboratory. P.I. *Enrique Gomez-Rivas*. 2018-2019.

RECENT RESEARCH LINKED TO PRIVATE COMPANIES:

Practical sequence stratigraphy on outcrops with seismic scale geometries. **Repsol S.A.**, P.I. *Telm Bover-Arnal & Ramon Salas*.

Fault-related dolomites in Benicàssim-Orpesa area. Understanding the dolomitization process and implications for the reservoir properties of the rocks and fault zones. **ExxonMobil Global Services Company.**, P.I. *Juan Diego Martín-Martín & Anna Travé*.

Origin and distribution of cements in the platform facies of Shuaiba formation. **Maersk Oil Qatar.**, P.I. *Irene Cantarero & Anna Travé*.

UB-COMIBOL collaborative agreement for the study of the Uyuni Salar (Bolivia). **Comisión Minera Boliviana (COMIBOL)**. P.I. *Lluís Gibert*.

CONSULTANCY SERVICES & ANALYTICAL FACILITIES:

Petrological, geochemical (fluid inclusions, stable and radiogenic isotopes, elemental geochemistry) and sedimentological studies of carbonates, clastics and evaporites, ornamental and building rocks.

Biostratigraphic attribution of non-marine Cretaceous and Palaeogene rocks, based on charophytes.



SEDIMENTARY GEOLOGY RESEARCH GROUP

The *Sedimentary Geology Research Group* (Research Consolidated Group, by the Generalitat de Catalunya) has as its main objective the reconstruction of the spatio-temporal evolution of sedimentary basins, integrating studies on sedimentary evolution, sedimentary processes, diagenesis, paleobiology and biostratigraphy. In addition to basic research, the results obtained by this group have applications for oil exploration and mining industry as well as for other fields like civil engineering, water resources, paleoclimate research, among others.



Expertise of researchers from the SGR *Sedimentary Geology* includes:



Basin Evolution and Sedimentary Models
Carbonates and Geofluids
Continental Paleobiology
Evaporites
Marine Paleobiology
Petroleum Geochemistry



UNIVERSITAT DE
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Faculty of Earth Sciences

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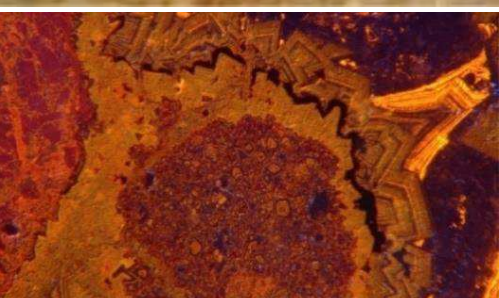
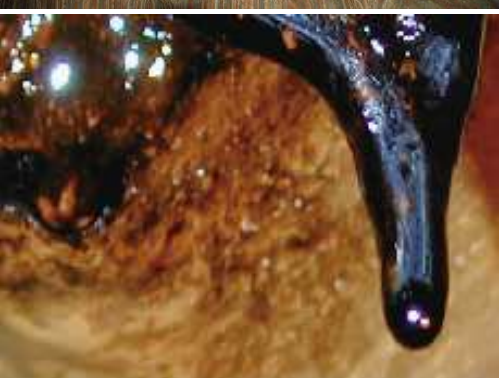
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FIELD SEMINARS

Fractured carbonate reservoir analogs. Normal faulting and their related deformation and diagenetic processes: karstification, dolomitization and brecciation. Leaders: *V. Baqués & A. Travé*.

The Aptian carbonate platforms of the Maestrat Basin: sequence stratigraphy, geometries, architecture, facies heterogeneities and relative sea-level drops. Leaders: *T. Bover-Arnal & R. Salas*.

Tertiary-Mesozoic unconformity, paleokarst and fluid circulation in the Penedès basin. Leaders: *V. Baqués & A. Travé*.

Middle-Triassic microbial carbonates and its reservoir potential in the Catalan Basin. Leaders: *R. Mercedes-Martín & R. Salas*.

Paleobotanical of the Carboniferous-Permian, Upper Cretaceous and Neogene of Catalonia. Leader: *C. Martín-Closas*.

Biostratigraphy of Cretaceous and Paleogene charophytes. Leader: *C. Martín-Closas*.

Fault-controlled dolostones of the Maestrat Basin: depositional, diagenetic and structural controls on replacement processes. Leader: *J.D. Martín-Martín & E. Gomez-Rivas*.

Eocene Petroleum System in the Southeastern Pyrenees. Leader: *A. Permanyer*.

CONTINUING PROFESSIONAL DEVELOPMENT (CPD COURSES)

Sedimentology and sequence stratigraphic response of carbonates to changes in accommodation: predicting reservoir architecture. Duration 2-4 days. Leaders: *R. Salas & T. Bover-Arnal*

