

Fractured Reservoir Outcrop Analogs and their Application to Reservoir Characterisation

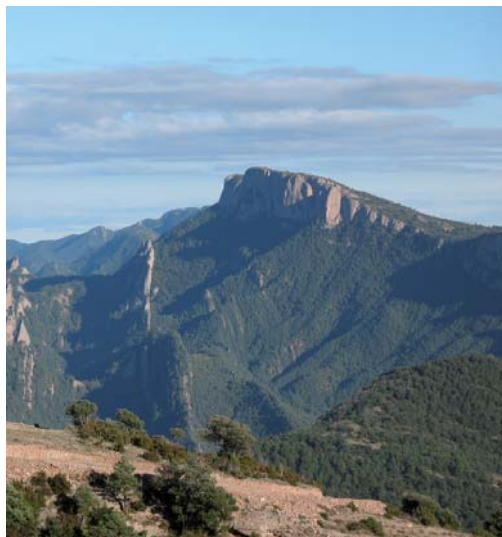
Carbonates and Clastics



2012 Field Courses with Classroom Sessions

Carbonates: May 14-18th; Sept 17-21st
Clastics: May 21-25th
South-central Pyrenees, Catalonia, Spain

Instructor: Jon Gutmanis - GeoScience
Field Instructor: Lluís Ardèvol i Oró - Geoplay

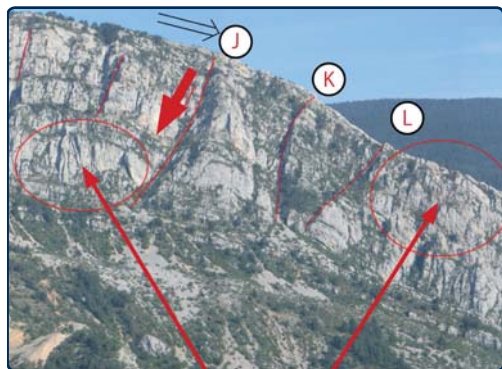


These 5-day courses offer an integrated presentation of a range of technical issues associated with the characterization of fractured reservoirs.

Key exposures are used to describe and explain carbonate and clastic depositional systems. The origins and properties of fault and fracture systems are set in different lithological, diagenetic and structural contexts. Classroom sessions are used to emphasise and support the outcrop observations.

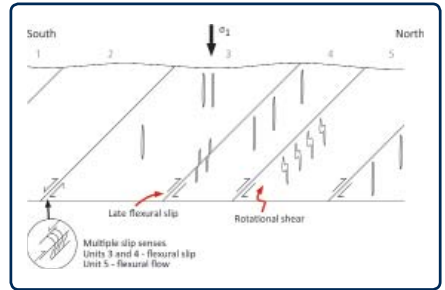
The south-central Pyrenees provide an internationally renowned collection of outcrop analogs for hydrocarbon reservoirs. Ancient depositional environments are exposed in a 'continent to basin' transition.

At both outcrop and seismic scale, the well-preserved relationship between deformational structures and sedimentation allows detailed studies of the interactions between tectonics, basin evolution and inversion.



Course Content

- Structure of the southern Pyrenees: Mesozoic salt tectonics plus Tertiary compression
- Seismic-scale fractured anticlines as analogs for buried structures
- Upper Cretaceous delta: estuarine sands, canyons, basal turbidites
- Cretaceous carbonate platforms: models, architecture, shelf-margin reefs
- Jurassic dolomites
- Normal, strike-slip and thrust faults and their fracture patterns
- Fracture types, origins, hierarchy and connectivity
- Fracture attributes and controls on their distribution
- Classroom sessions on structural geology for fracture characterisation, issues and challenges, and case histories from the industry



Price: € 2,850

For details of course content, registration, logistics, and testimonials see, www.geoscience.co.uk and www.geoplay.cat



Geoplay Pyrenees Ltd 
Tresp, Catalonia, Spain
Tel: +34 973 652 759
Email: info@geoplay.cat

GeoScience Ltd 
Falmouth, Cornwall, UK
Tel: +44 1326 211070
Email: gutmanis@geoscience.co.uk