Open Air Series

Pyrenees - Based Events (Spain)

Designed for:

The course is designed for Geoscientists, Petrophysicists, Reservoir Engineers and Well Engineers. Ideally structured for groups working in multi-discipline asset-based teams.



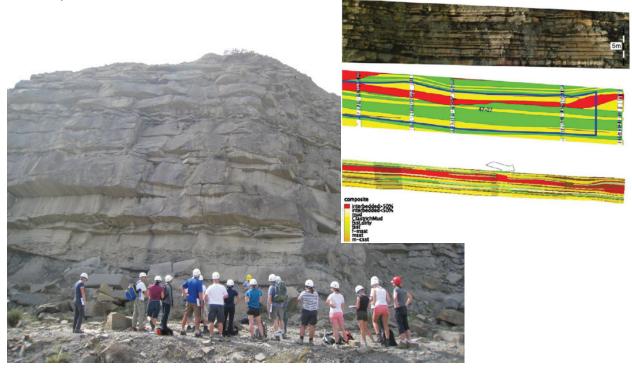
Deepwater systems, Tidally –influenced systems, Fluvial systems

What's here?

Ability to view a wide range of clastic depositional systems focusing on reservoir scale sandstone bodies and their architecture in a basinal context.

- Deepwater turbidite channels, levee deposits and mass transport complexes of the Ainsa and Jaca basins (including core data).
- Two regional scale fluvial systems 1) Eocene axial, thrust sheettop fluvial system; 2) Oligo-Miocene transverse fluvial system feeding into the Ebro foreland basin.
- Tidally influenced sandstone bodies (Roda Sandstone) of the Tremp-Graus Basin.





Early Development E&P Overview Reservoir Wells Business & Risk Open Air Coaching Master Class





Pyrenees - Based Events (Spain) continued

Geological Theme and Course Content

The region offers the ability to focus on a number of technical themes including:

- The analysis and interpretation of the sedimentology, stratigraphic architecture and reservoir potential of alluvial fan, fluvial, tidal- and wave-dominated shorelines/shelves, and deepwater deposits.
- The interpretation of a range of deepwater sandstone bodies from slope canyons, through basin floor channels to basin plain.

Access

Fieldwork is carried out in the foothills of the southern Pyreness and on the Huesca Plain. Outcrops are partly road-side, in addition to quarries and hillside viewpoints. Access is by coach with short walks of up to 2 km over scrubby ground and rocky terrain can be expected. Participants should be aware that some localities are at an altitude of around 1000 m (3000 ft) and field temperatures may exceed 25 degrees celsius.

Logistics

Pyrenees, Spain: fly in/out Barcelona. Accommodation in Tremp, Ainsa and Ayerbe depending on outcrops to be visited.

Duration

3-5 days depending on content required. One day travel in UK-Barcelona, one day-return.

Courses available from this series:

Moray Firth-based Events (Scotland)
Northumberland-based Events (England)
Yorkshire-based Events (England)
Derbyshire -based Events (England)
Dorset-based Events (England)
Pembrokeshire-based Events (SW Wales)
Somerset-based Events (England)
County Clare-based Events (Ireland)
Annot-based Events (France)
Provence-based Events (France)
Tabernas-based Events (Spain)
Pyrenees-based Events (Spain)
Utah-based Events (USA)
East Kentucky-based Events (USA)
Sicily-based Events (Italy)

changes along the transport paths, and predictions that can be made in terms of reservoir presence and characteristics.
The relation between the spatial distribution of reservoir potential to the structural ground to of

The analysis of regional scale sediment transport paths in terms of their reservoir potential, the

controls that determine length scales of down-dip

- reservoir potential to the structural geometry of tectonically active basins in an exploration sense.
- The differences between fluvial, shallow marine and deep marine depositional systems from a modelling perspective.
- The evaluation of the use of outcrop analogue data for building better reservoir models and understanding reservoir zonation from a geological (rather than engineering) perspective (supported by outcrop-based models for development planning scenarios).

Course Tutors



John Howell PhD

Main Series tutoring: Reservoir, Open Air Industry experience: over 25 years, geoscience Career background: Gaps, University of Liverpool, University of Bergen, Rocksource ASA

Personal: Published over 100 scientific articles and edited three books

Pau Arbués MSc

Main Series tutoring: Open Air

Industry experience: over 25 years, geoscience

Career background: Catalan Geological Survey, Universistat de Barcelona

Personal: Author scientific articles, researcher and associate professor Universistat de Barcelona.

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