

Pyrenees – Based Events (Spain)



Deepwater systems, Tidally –influenced systems, Fluvial systems.

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

What's here?

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 sheet top 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.

The region allows for focused analysis on sedimentology, stratigraphic architecture, and reservoir potential of alluvial fans, shorelines, and deepwater deposits. It includes interpreting deepwater sandstone bodies, analysing sediment transport paths for reservoir characteristics, and understanding the spatial distribution of reservoir potential in tectonically active basins. Additionally, it evaluates the differences between fluvial, shallow marine, and deep marine systems while utilizing outcrop analogue data to enhance reservoir models and understand geological zonation.

Access

Fieldwork is carried out in the foothills of the southern Pyrenees and on the Huesca Plain. Outcrops are partly road-side, in addition to quarries and hillside view-points. 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

Full day 3 to 5 days

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

Learning Level

Skills ●●●
Knowledge ●●●
Awareness ●●●

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.



Course Tutors



Mark Bentley PhD
30+ years - geoscience
Mark develops and runs courses in the Reservoir, E&P Overview, Open Air series. He has a career background at Shell, AGR, TRACS and Langdale Geoscience. Mark is co-author of 'Reservoir Model Design', SPE and EAGE distinguished lecturer, former training director for both AGR and TRACS. Associate Professor Heriot-Watt University



John Howell PhD
25+ years - geoscience
John tutors courses in the Reservoir and Open Air series. He has a career background at Gaps, University of Liverpool, University of Bergen, Rocksourc ASA, and the University of Aberdeen. John has published over 120 scientific articles and edited five books.



Dr Edmund Stephens MA (Oxon), DPhil
20+ years - reservoir/petroleum engineering
Edmund mainly tutors courses the Reservoir, Open Air, and Master Class (reservoir modelling, fractured reservoir) series. He has a career background in Shell, TRACS and AGR. Edmund is an active member of PESGB, SPE, AAPG and speaks at conferences on reservoir modelling.



Maggie Hystad Murison
25+ years – training management
Maggie, as Training Manager, oversees the global TRACS Training Programme and organises all open-air and classroom events, handling in-country logistics and HSE representation. With a background in retail and extensive experience as an in-flight supervisor for KLM, her language skills and expertise equip her well for managing global training initiatives.

