



Source to Sink Workshop / Atlantic Margin Petroleum Systems Field Cours

Summary: A 1-Day workshop focusing on techniques and methodologies for source to sink studies and showcasing the latest results from NARG studies in Morocco, Mauritania and Senegal. This followed by a 6-day field workshop in Morocco, examining the entire Central Atlantic Margin sequence from Paleozoic basement, Triassic continental rift sequences to Jurassic passive margin carbonates and Early Cretaceous paralic deposits, the feeder systems to potential offshore deepwater reservoirs. Regional tectonics and salt evolution. S2S, Reservoir Source Seal Trapping and Timing.

Aim: Evaluate the tectono-stratigraphic framework, reservoir characterization, source to sink and depositional systems. Triassic, Jurassic and Cretaceous petroleum systems. Analogue to plays offshore Morocco, Mauritania, Senegal, The Gambia and the Nova Scotia / US conjugate margin.

Teaching Methods: 1-day workshop followed by a 6-day fieldtrip. Integration of outcrop observations with subsurface data.

Accommodation: Accommodation in quality 3-5 star hotels.

Transport: Modern air-conditioned Mercedes Sprinter 16-seater coaches, with seat belts and experienced local drivers. Airport transfers.

Safety: The field trip is led by Prof Jonathan Redfern and academic staff /researchers from NARG, who have been undertaking research in Morocco for more than 15 years. Full HSE compliance, with emergency response procedures. All outcrops have been visited and assessed for safety. Hard hats, high-vis vests provided, full medical kits on board coaches. Details of local hospitals provided. Local authorities informed of our planned routes. Daily HSE briefings and reporting.

Who should attend: Suitable for both new hires and experienced geologists /engineers.



Triassic High Atlas



Lunch in the field

Previous Course Attendees :
Kosmos, Repsol, ChevronTexaco,
Equinor, Cairn Energy, Woodside,
Sound Energy, ENI, Genel

Jurassic transect en-route
to Immuizer

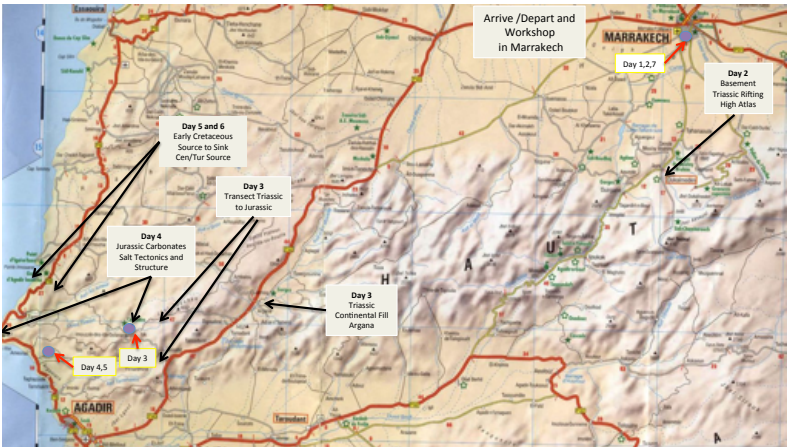


Itinerary:

Date	Agenda	Accommodation
Thurs May 28 th	Arrival Marrakech	Marrakech
Fri May 29 th	Source to Sink Workshop / HSE	Marrakech
Sat May 30 th	Oukamaiden Triassic Rift – Continental clastic fill, And S2S, High Atlas	Marrakech
Sun May 31 st	Triassic syn-rift red beds clastics . Transect to Jurassic passive margin carbonates	Argana / Agadir
Mon June 1 st	Jurassic Carbonate Facies Salt Dynamics/Tectonics	Immouzer
Tues June 2 nd	U. Jurassic Paradise valley, Cap Ghir ,Jurassic Reefal facies, Architecture and reservoir development	Taghazout
Wed June 3 rd	Tamri/ Tiskatine,/Assaka , Early Cretaceous Paralic Deposits (N Agadir)	Taghazout
Thurs June 4 th	Azzazoul Cen/Turonian Source Rock Return to Marrakech (arrive 4.30pm) (option to stay extra night in Marrakech at own cost)	Depart Morocco late pm

Cost:

£3450 inclusive of field guide, airport transfer, single room accommodation, all meals and local transport. Price excludes flights to and from Marrakech, drinks and other incidentals



S2S Workshop

- A review of integrated techniques for source to sink analysis: petrography, heavy minerals, zircon, apatite fission track
- Data Generation and Analysis
- Uncertainty
- Thermogeochronolgy, uplift and subsidence histories along the NW Africa Margin
- Building models of the palaeo-geology
- Case studies from Triassic of Morocco, Cretaceous/Jurassic and the Cretaceous of MSGBC basin

