

Morocco / Central Atlantic Rift to Passive Margin Depositional Systems

Field Trip Leaders: Prof Jonathan Redfern and Dr Stefan Schroeder
(North Africa Research Group)

Summary: A 4-day field workshop examining the depositional systems superbly exposed in the Argana Valley and Essaouira-Agadir Basin. A traverse through rift to drift sequences, starting with the Triassic continental syn-rift fluvio-aeolian red-beds, into the Jurassic passive margin shallow marine to reefal carbonates and culminating in Early Cretaceous paralic deposits; the latter feeder systems to potential offshore deepwater reservoirs. All examined within the context of regional tectonics and salt evolution, with examples show of offshore subsurface data. The key outcrops in Africa to understand Central Atlantic conjugate margin depositional systems and the main petroleum plays.

Duration: 4-days in the field.

Depart: Thursday 20th October, 4pm, immediately after the CMC2220 Conference.

Return: Monday 24th in time for late pm flights to Europe from Marrakech

Accommodation: Accommodation in shared twin rooms and 3 room apartments. Single rooms available for a supplement.

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

Safety: The field trip is led by Prof Jonathan Redfern, who has been undertaking research in Morocco for more than 20 year with the North Africa Research Groups (www.narg.org.uk). Full HSE compliance, with emergency response procedures. All outcrops have been visited and assessed for safety. Hard hats, high-vis vests provided.



Early Cretaceous,
Assaka



Jurassic transect en-route to Immouzer

Itinerary:

Date	Agenda	Accommodation
Day 0	Depart Marrakech 3.30pm and drive to Argana	<i>Hotel Zolado, Argana</i>
Day 1	Argana Valley Triassic syn-rift red beds clastics. Transect to Jurassic passive margin carbonates Camp Basalts, Early Jurassic restricted marine	<i>Hotel des Cascades, Immouzeur</i>
Day 2	Drive Immouzeur to Taghazout Jurassic Reefal Carbonate Facies Dynamics/Tectonics Salt	<i>Taghazout Lunja Village</i>
Day 3	Azzazoul and Assaka, Early Cretaceous Paralic Deposits	<i>Taghazout Lunja Village</i>
Day 4	Cen/Turonian OAE2	Return to Marrakech

Arrive Marrakech 4 pm for flights to Europe

Cost:

Price €590 payable in advance (Twin Room). Single supplement €150 available on request. Price is inclusive of field guide, twin room accommodation, all meals (breakfast, lunch, dinner) and local transport. Price excludes flights to and from Marrakech, drinks and other incidentals.

