

Neil Pickard, PhD, FGS

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Career Outline

Employment: **1995 – present: Cambridge Carbonates Ltd., UK.** Current position: Consultant geologist and director, working on proprietary and non-proprietary projects.

1993 – 1995: Post-doctoral research position. Late Palaeozoic carbonate and evaporite successions of the Norwegian Barents Sea (University of Tromsø), including 6 field seasons on Svalbard.

1993: Post-doctoral research position. Recent deep sea sediments, southern Pacific Ocean (Cambridge University)

1990 – 1993: Post-doctoral research position. Lower Carboniferous carbonate sequences of the Dublin Basin (University College Dublin). Recent deep sea sediments, southern Pacific Ocean (Cambridge University)

Core skills:

- Project management: organisation and implementation of reservoir characterisation projects, designing and building Static Geological Models of carbonate reservoirs.
- Carbonate, evaporite and siliciclastic sedimentology and sequence stratigraphic expertise.
- Core logging, outcrop investigations and wireline log interpretation
- Expertise in carbonate diagenesis (plane light and cathodoluminescence petrography, isotope and element geochemistry, fluid inclusions).
- Manipulation of porosity and permeability datasets, as well as dynamic and static data
- Sequence stratigraphy from logs and seismic
- Karstic and tectonic fractured reservoir systems
- Basin analysis and play fairway definition
- Expertise of petroleum systems in Circum Arctic Realm, Middle East (Iran-Iraq), NW+S Europe

Education: **1986 – 1990:** Ph.D. Lower Carboniferous, Dinantian carbonates and siliciclastic sequences in the Midland Valley of Scotland (*Edinburgh University*).

1983 – 1986: B.Sc. (Hons.) Geology (*Bristol University*)

Professional Experience

1995 – present: Geologist and Director, Cambridge Carbonates Ltd., UK.

- Project manager for reservoir characterisation and static model construction of Middle East Reservoirs

- Geological investigations of Tertiary (Oligocene-Miocene) and Cretaceous carbonates and siliciclastic systems in the Middle East (Iran-Iraq),
- Regional and Field scale investigations
- Core description, log correlation, reservoir characterisation and reservoir modelling
- Specialist knowledge of the Tertiary Asmari Fm and Upper Cretaceous Mishrif-Sarvak carbonate system
- Corporate peer reviews and peer assists with international exploration groups working in carbonate provinces (including Middle East, Brazil, Caspian area)
- Fractured and karstified Cretaceous carbonate reservoirs of Southern Italy
- Sedimentology and sequence stratigraphy: Permian Zechstein carbonates in Poland, Holland and Southern North Sea
- Corporate Best Practice Guidelines: Carbonate-Evaporite Sequence Stratigraphy
- Regional studies of Lower Carboniferous (Dinantian) depositional systems of the southern North Sea
- Regional sedimentology and diagenetic investigations of Late Palaeozoic carbonates of the Russian and Norwegian Barents Sea
- Late Palaeozoic carbonates of the Caspian region
- Fieldwork: Late Palaeozoic carbonates, evaporites, and siliceous successions of the Svalbard Archipelago
- Sedimentology and Sequence Stratigraphic studies of Cretaceous carbonate reservoirs in Libya
- Sedimentology and diagenetic studies of Late Permian spiculite reservoirs of the Barents Sea

Professional Affiliations

Active member of:

- SEPM (Society for Sedimentary Geology)
- AAPG
- Geological Society London

Other relevant skills

Working knowledge of Norwegian and Swedish.