

Joanna Garland, PhD, FGS

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Career Outline

Employment: **2004 – present: Cambridge Carbonates Ltd., UK.** Current position: Consultant geologist and director, working on proprietary and non-proprietary projects.

2002 – 2004: Statoil ASA, Norway. Position: Activity leader and geologist in Statoil's Carbonate Research Group.

1998 – 2002: Enterprise Oil Plc., UK. Positions: Geologist in the UK New Ventures Team; development geologist on the Jotun Field, Norway and Nelson Field, UK; operations geologist in UK North Sea and West of Ireland; geologist in the International New Ventures Team.

Core skills:

- Carbonate and siliciclastic sedimentology and sequence stratigraphy expertise, with a strong background in diagenetic studies.
- GIS skills, with knowledge of both ESRI and MapInfo software.
- Statistical analysis of large porosity and permeability datasets.
- Experience with prospect evaluation and risk analysis through data-room and farm-in evaluations.

Education: **1994 – 1997: Ph.D.:** Middle to Upper Devonian (Givetian and Frasnian) Shallow-Water Carbonates of Western Europe: Facies Analysis and Cyclicity (*Durham University*).
1991 – 1994: B.Sc. (Hons.) Geology, First Class (*Liverpool University*).

Professional Experience

2004 – present: Geologist and Director, Cambridge Carbonates Ltd., UK.

- Consultant geologist working on both proprietary and non-proprietary projects
 - Sedimentology and sequence stratigraphy: Permian Khuff Formation reservoir characterisation and modelling; Mesozoic and Palaeozoic exploration wells, Oman
 - Diagenetic studies: Oman – Cretaceous; Iran – Permian and Cretaceous
 - New Ventures technical evaluations: Devonian fields in Timan Pechora, Russia
 - Non-proprietary reports: Fractured carbonates; Dual porosity systems in carbonate rocks
 - Corporate Best Practice Guidelines: Carbonate reservoir characterisation
 - Fieldwork: Cretaceous to recent carbonates of southern Cyprus; Miocene and Cretaceous of Italy

2002 – 2004: Geologist, Statoil ASA, Norway.

- Activity Leader for exploration in the Carbonates Research Programme:
 - Developed and managed the research programme for exploration in carbonates at Statoil.
 - Produced “Corporate best practice documents” for both carbonate and evaporite sequence stratigraphy and exploration play analysis in carbonate successions.
 - Peer reviews and peer assists with international exploration groups working in carbonate provinces (including Middle East, Mexico, Caspian area, Russia, Norway, Brazil, UK).
 - Analysis of large global porosity and permeability datasets to understand controls on reservoir quality of carbonates in the exploration setting.
 - Regional basin-scale analysis of Devonian carbonate plays in the Western Canada Basin.
 - Organised a fieldtrip to Mexico for Statoil staff to study the Mesozoic and Cenozoic carbonate successions in the Sierra Madre Oriental.
 - Provided geological support in data rooms for Statoil’s international New Ventures groups

1998 – 2002: Geologist, Enterprise Oil, UK.

- Geologist in the UK New Ventures Team, Aberdeen:
 - Responsible for new ventures and prospect generation in Central North Sea, in particular the Witch Ground Graben and East Central Graben.
 - Geologist for the 20th UKCS licensing round review. Principal geologist in the Witch Ground Graben, and also co-ordinator of a successful application in this area.
 - Provide geological support for the Business Development Group, actively working on farm-in opportunities and datarooms.
 - UK prospect Inventory co-ordinator in 2000.
 - Provided geological support for a major regional review of the Central North Sea, including generation of play maps and basin statistics for key plays.
 - Contributed to the Enterprise Oil New Ventures Strategy, providing regional G&G review and analysis of competitors portfolios.
 - Geologist for a number of non-operated and operated licences within the New Venture Teams portfolio in 2000-2001 (14/25a, 15/19, 16/18a, 16/23N, 22/7, 22/8).
- Geologist in the Jotun reservoir development team, Stavanger.
- International New Ventures Team, London. Regional geological overview of the Tertiary of West Africa (Morocco to the Ivory Coast).
- North Sea Regional Team, London. Upper Jurassic regional play fairway mapping in the CNS
- Geological Operations Team, London. Wellsite geological support.
- Geologist in the Nelson Reservoir Development Team, Aberdeen.

Professional Affiliations

I am an active member of:

- PESGB
- AAPG
- Geological Society London

Other relevant skills

Having lived in Stavanger for 2 years, I am competent at Norwegian.