

Benoit VINCENT, PhD

Address: Cambridge Carbonates Ltd., 1 rue de Varoux
Marey-sur-Tille, 21120, France.

Contact number: +33 645084016 (cell), +33 380955734 (office)

Emails: benoit@cambridgecarbonates.co.uk



Career Outline

Employment: **From April 2009: Cambridge Carbonates Ltd., UK.** Current position: Consultant geologist, working on proprietary and non-proprietary projects.

2008 – march 2009: Andra (French National Agency for Radioactive Waste Management), France. Position: Geologist, specialist of Sequence Stratigraphy and Diagenesis in the Underground Research Laboratory group.

2002 – 2008: IFP (French Petroleum Institute), France. Position: Carbonate sedimentology and diagenesis specialist working on research projects and applied contracts.

1998 – 2002: University of Burgundy, France. Position: ATER and ATV (teaching and research assistant)

Core skills: **Carbonate sedimentology and sequence stratigraphy and Carbonate Diagenesis expertise; Strong background in carbonate petrophysics, in siliciclastic sedimentology and diagenesis.**

Cathodoluminescence and stainings; SEM and EDS analysis; Trace elements and stable isotope analysis + Sr isotope data interpretations; Secondary Ion Microprobe; Basics of Fluid inclusions

Analysis of MICP and lab NMR datasets in carbonates; Analysis of NMR wireline log data

Experience with structural analysis, and carbonate geochemistry.

Education: **1998 – 2001: Ph.D.:** Upper Jurassic (Oxfordian-Kimmeridgian) Shallow-Water Carbonates of Eastern France: Sedimentology, Sequence Stratigraphy, Diagenesis and Geochemistry (*University of Burgundy*).

1994 – 1997: Master of Geology, DSER (upper diploma of research; University of Burgundy and University of Grenoble)

Professional Experience

From march 2009: Consultant geologist, Cambridge Carbonates Ltd

- Preparation and presentation of a course "Carbonate reservoir characterisation" (3-5 days on a module basis) – Clients: KOC, Sonatrach, Total Irak (through IFP Training), Dong Energy
- Sedimentology, stratigraphy, and diagenesis (and reservoir characterisation) of Early Cretaceous Mauddud Formation in Kuwait - Client KOC
- Reappraisal of Tertiary carbonate plays in PNG – Client Oil Search Ltd.
- Appraisal of Rhaetian carbonate buildups/platforms plays in the Carnarvon Basin, NW Australia – Client Woodside Energy Ltd.

- Appraisal of Arab and Thamama carbonates in UAE – Client Premier Oil
- Sedimentology, stratigraphy, and chemostratigraphy of the Paleocene of Kuwait – Client KOC
- Sedimentology, stratigraphy, and diagenesis of the Khuff in Kuwait - Client KOC
- Reappraisal of the diagenesis of the Rotliegend Formation in the Offshore Netherlands (bibliography + technical) - Client GDF-Suez
- Quantitative analysis of thin sections of cuttings in the Jurassic and Cretaceous Formations of Qatar - Client Wintershall
- Diagenesis and chemostratigraphy in the Mishrif of Irak - Client BP
- Stratigraphic reappraisal of the Cenomanian-Turonian and Maastrichtian deposits in Qatar - Client GDF-SUEZ Qatar
- Petrography of pre-salt carbonates in Brazil - Client BG
- Petrel reservoir modelling of the Jurassic limestone formations in the Eastern Paris Basin - Client Andra
- Diagenesis of dolomites in a producing field in UAE - Client Statoil
- Sedimentology, stratigraphy, and diagenesis (and reservoir characterisation) of Late Jurassic-Early Cretaceous carbonates in Kuwait - Client KOC
- Implication in the multi-client report "Carbonate reservoirs in SE Asia"
- Diagenesis of a Middle Jurassic oil field in the Paris Basin - Client BRGM
- Reappraisal of the conceptual hydrogeological model of the Jurassic carbonates of the eastern Paris basin - Client Andra
- Reappraisal of the geological model of gas fields in the Tertiary carbonates of Papua New Guinea - Client GDF-SUEZ

2008 – march 2009: Geologist, Andra, France

- Geologist in the FAVL project (research of a new underground repository site):
 - responsible for the bibliographic investigation program and the cartography program,
- Responsible for the sedimentology and sequence stratigraphy work in the Surface Exploration Project in the Underground Research Laboratory group:
 - data synthesis and interpretation (wireline logs, seismic lines, cored wells),
 - integration with hydrogeological and geochemical data.

2002 – 2008: Geologist, IFP, France

- Sedimentologist in the “Stratigraphy and Sedimentology” department:
 - Research project in the Ordovician glacial siliciclastic deposits of Algeria (for GDF); *Sedimentology*,
 - Contract in the Ordovician glacial siliciclastic deposits of Algeria (for Repsol); *Diagenesis*,
 - Reappraisal of the Northern Algeria petroleum system (TellOffshore project, IFP-Sonatrach); *Sedimentology, Sequence Stratigraphy, and of Diagenesis*,
 - Research project in the Cretaceous carbonates in Iran (Middle East Cretaceous project, MEC); *Sedimentology, Sequence Stratigraphy (carbon isotope stratigraphy), and Diagenesis*,
 - Research project in the Tertiary carbonates in Iran (ASMARI IOR Joint Industrial Project); *Sedimentology, Sequence Stratigraphy (strontium isotope stratigraphy), and Diagenesis*,
 - In house Research project in the Mississippian carbonates in the USA; *Sedimentology, Sequence Stratigraphy, and Diagenesis (dolomitization) in relationship with fracturation*,

- Expertise in carbonate petrography for the PICOR (CO₂ injection in natural carbonates) project; *Petrography and Petrophysic*,
- Promoter of an in house Research project aiming to investigate the NMR signal of carbonates,

- Supervisor of 5 masters, and 3 PhDs,
- Co-Responsible for an annual field excursion in Burgundy in the frame of the RGE cycle (Reservoir and Geosciences Engineering) of the IFP School,
- Responsible for the microscopy laboratory (cathodoluminescence, fluid inclusions, fluorescence, standard microscopy) and the thin-sections factory (more than 1500 thin sections per year). Creation, development and maintenance of both labs.

1998 – 2002: University of Burgundy, France

- Teaching and Research assistant
 - Teachings in sedimentary petrology, diagenesis, sedimentology, sequence stratigraphy, cartography, geomorphology in both classes and the field (more than 400 official hours of teaching),
 - Supervisor of 5 masters, 5 licences.

Professional Affiliations

Active member of:

- IAS
- Geological Society of London
- SEPM
- ASF

Other relevant skills

Supervisor of 2 PhD; Participation to 7 PhD viva

Regular reviewer for International peer review Journals

30 publications in International peer review Journals; >40 communications in International Meetings

Basics of Spanish