

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: Associate Director and 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

- Sedimentology and stratigraphy of the Miocene carbonates of the Campos Basin, offshore Brazil – Client Trident
- Sedimentology and stratigraphy of the Upper Jurassic and Lower Cretaceous carbonate Formations of S Romania: geological models and reservoir potential reappraisal – Client HUNT Energy
- Sedimentology, stratigraphy and diagenesis of the Upper Jurassic and Cretaceous carbonates of the Gulf of Mexico, offshore Mexico – Client Petronas

- Sedimentology, stratigraphy and diagenesis of the Oligo-Miocene carbonate formations of S Kurdistan; integration with geophysical data and modelling – Client KAR
- Sedimentology and stratigraphy of Jurassic to Tertiary carbonates in Northern Algeria – Client Schlumberger
- Diagenesis and reservoir characterisation of the Mishrif of Iraq – Client Lukoil
- Core and cuttings sedimentology of the Permian succession of the Barent sea area – Client Centrica
- Sedimentology, stratigraphy, and diagenesis of the Kimmeridgian limestone and dolostone, shallow offshore Gulf of Mexico (Mexico) – Client Geoprocessados
- Sedimentology and stratigraphy of the Taza well (Kirkup group, Tertiary Kurdistan) – Client Oil Search Ltd.
- Diagenesis of the Permian succession of the Barent sea area – Client Lundin
- Sedimentology, stratigraphy, and diagenesis of the Mauddud Reservoirs in the Great Burgan area in Kuwait – Client KOC
- Reservoir characterisation of Late Jurassic-Early Cretaceous carbonates in UAE – Client Premier Oil
- 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.
- Sedimentology, stratigraphy, and chemostratigraphy of the Paleocene of Kuwait – Client KOC
- Sedimentology, stratigraphy, and diagenesis of the Khuff in Kuwait - Client KOC
- Preparation and presentation of a course "Carbonate reservoir characterisation" (3-5 days on a module basis) for several clients (DONG, KOC, Sonatrach, Total Iraq, IFP-Training...)
- 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 Iraq - 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
- EAGE
- ASF

Other relevant skills

- Supervisor of 2 PhD; Participation to 10 PhD viva
- Regular reviewer for International peer review Journals (AAPG Bulletin, Cretaceous Research, Facies, Journal of Asian Earth Sciences, Journal of the Geological Society of London, Journal of Geophysical Research, Journal of Petroleum Geology, Marine and Petroleum Geology, Sedimentary Geology, Sedimentology...)
- 36 publications in International peer review Journals; >50 communications in International Meetings
- Basics of Spanish