

## Benoit VINCENT, PhD

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### 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 background in siliciclastic diagenesis.**
- Cathodoluminescence and staining; 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

- 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 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 (CO<sub>2</sub> injection in natural carbonates) project; *Petrography and Petrophysics*,
  - 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
- SEPM
- EAGE
- ASF

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## **Other relevant skills**

Basics of Spanish from school and after numerous travels in Spanish speaking countries.