



Name: Benoit VINCENT

Tel: +33-1-47-52-57-44, **Fax:** 33-1-47-52-70-67

Address: Institut Français du Pétrole, Geology and Geochemistry Division, 1-4 Avenue de Bois Préau, 92852 Rueil-Malmaison Cedex FRANCE

Education: PhD in Geology, University of Burgundy (France), 2001

Research areas:

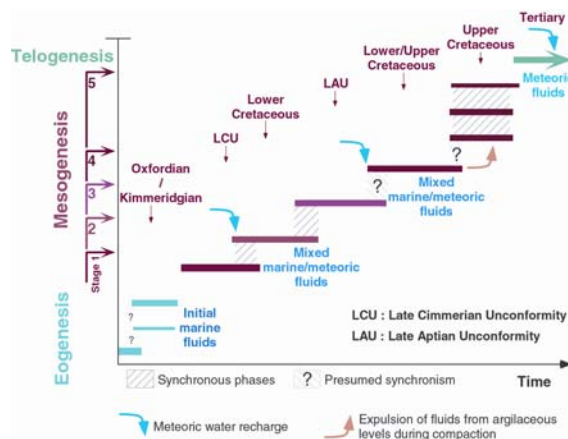
My PhD focussed on sedimentology, diagenesis and geochemistry of neritic carbonates, with the example of the Upper Jurassic formations of the Paris Basin (France). I tried to decipher the meaning of the oxygen isotope signal of shallow-marine carbonates and also to find the relationships existing between the diagenetic history and the geodynamic evolution of the Basin. Analytical techniques applied to this study were Cathodoluminescence, Scanning Electron Microscopy (SEM), and Secondary Ion Mass Spectrometry (SIMS) for very high resolution $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ measurements.

I'm currently working on 2 projects in the Middle East with Frans van BUCHEM (IFP):

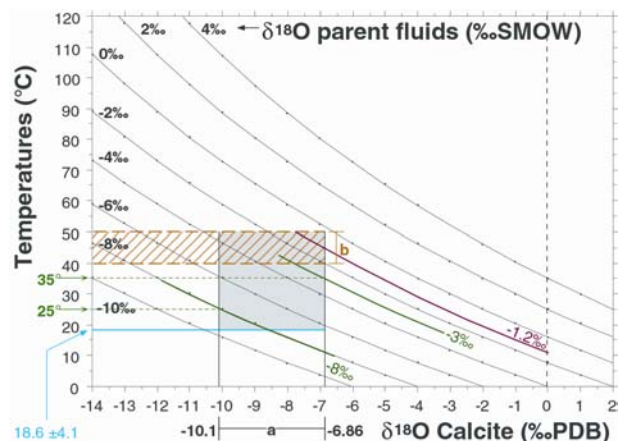
- "Middle East Cretaceous" project in Iran, supra-regional study of Cretaceous formations with a multidisciplinary approach (sedimentology, high resolution biostratigraphy, geochemistry),
- "ASMARI" project also in Iran, sedimentologic study of Tertiary formations at the basin scale, and sedimentologic/petrographic/structural study at the reservoir scale.

Since January 2004, I supervise with Professor Rudy SWENNEN (KUL, Leuven, Belgium) a PhD about diagenesis and fluid flows in the FFTB (Foreland Fold and Thrust Belt) of the Oman Mountains (UAE).

Finally, I am also involved in other projects with a wide spectrum of disciplines: clastic diagenesis in the Paleozoic formations of Algeria, CO₂ oriented research.



Paragenetic sequence in relationship with geodynamic events



Determining the parent fluids of calcites with a fractionation diagram