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### Research areas:

- Sedimentology of Paleozoic carbonate mud mounds (with special emphasis on Belgian Frasnian mounds). Sedimentary dynamics, process, diagenesis.
    - F. BOULVAIN, 2004. Frasnian carbonate mounds of the Frasnies area, Belgium. *Super Sedimentological Exposures*, IAS Newsletter 191, 5-10.
    - F. BOULVAIN, 2001. Facies architecture and diagenesis of Belgian Late Frasnian carbonate mounds (Petit-Mont Member). *Sedimentary Geology*, 145/3-4, 269-294.
  - Microbial process in sediments and early diagenesis.
    - F. BOULVAIN, C. DE RIDDER, B. MAMET, A. PREAT, & D. GILLAN, 2001. Iron microbial communities in Belgian Frasnian carbonate mounds. *Facies*, 44, 47-60.
  - Sequence stratigraphy and high precision correlations in carbonate platforms.
    - A-C. DA SILVA & F. BOULVAIN, 2002. Sedimentology, magnetic susceptibility and isotopes of a Middle Frasnian carbonate platform: Tailfer section, Belgium. *Facies*, 46, 89-102.
  - The "stromatolites problem"
    - F. NEUWEILER, P-A. BOURQUE & F. BOULVAIN, 2001. Why is stromatolites so rare in Mesozoic carbonate mud mounds? *Terra Nova*, 13, 338-346.
    - P.A. BOURQUE & F. BOULVAIN, 1993. A model for the origin and petrogenesis of the red stromatolites limestone of Paleozoic carbonate mounds. *J. of Sedimentary Petrology*, 63 (4), p. 607-619.
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