

Dr Eric de Kaenel

Calcareous nannofossils stratigraphy Principal Biostratigrapher

Eric has a PhD in Geology (Biostratigraphic studies based on calcareous nannofossils. Jurassic calcareous nannofossils of the South and North Tethys Margin (south margin: High Atlas, Morocco; north margin: Jura, Switzerland), U. Neuchâtel, Switzerland, 1990), an MSc in Geology (Géologie de la nappe du Gurnigel entre Schwyberg et Hellstätt, nouvelles données sur la limite Crétacé-Tertiaire, U. Neuchâtel, Switzerland, 1986) and a BSc in Geology (Neuchâtel College, Switzerland, 1979). He is bilingual in French and English.

Having been involved in the hydrocarbon industry for more than 25 years, his nannofossil expertise is broad and virtually global, covering the Mesozoic through Cenozoic. Eric has been part of the team since 2010 and is now based in Switzerland. He has specific experience, offshore and onshore, in the GoM, Guyana, Suriname, Trinidad, the US (Georgia), Mexico, Venezuela, Brazil, Canada, Angola, Tunisia, Libya, Yemen, Egypt, Turkey, Romania, the Mediterranean Sea, Asia, the Atlantic Ocean and the North Sea. His current research interests include revising the taxonomy and biostratigraphy of reticulofenestrads and Miocene discoasters, defining the Oligocene/Miocene boundary in the GoM, and the astronomical calibration of Miocene nannofossil datums.

Publications:

- 2015 — Föllmi, K.B., Hofmann, H., Chiaradia, M., de Kaenel, E., Frijia, G. & Parente, M. Miocene phosphate-rich sediments in Salento (southern Italy). *Sedimentary Geology*, 327: 55-71.
- 2015 — Laurent, D., de Kaenel, E., Spangenberg, J.E. & Föllmi, K.B. A sedimentological model of organic-matter preservation and phosphogenesis in the Miocene Monterey Formation at Haskells Beach, Goleta (central California). *Sedimentary Geology*, 326: 16-32.
- 2014 — de Kaenel, E. & Londeix, L. Données nouvelles sur la nannoflore de l'Aquitainien stratotypique. In: L. Londeix (Coord.). *Stratotype Aquitainien*. Collection Patrimoine géologique, Muséum national d'Histoire naturelle, Paris: 261-267.
- 2012 — Godet, A., Föllmi, K.B., Bodin, S., de Kaenel, E., Matera, V., Adatte, T., Arnaud-Vanneau, A., Arnaud, H. & Vermeulen, J. A Late Barremian age of the onset of Urgonian-type facies in the Swiss Jura Mountains. Reply to the discussion by Conrad et al. on "Stratigraphic, sedimentological and palaeoenvironmental constraints on the rise of the Urgonian Platform in the western Swiss Jura" by Godet et al. (2010). *Sedimentology*, 57: 1088-1125. *Sedimentology*, 59: 1126-1132.
- 2012 — van der Laan, E., Hilgen, F.J., Lourens, L.J., de Kaenel, E., Gaborardi, S. & Iaccarino, S. Astronomical forcing of Northwest African climate and glacial history during the late Messinian (6.5-5.5 Ma). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 313-314: 107-126.
- 2010 — Godet, A., Föllmi, K.B., Bodin, S., de Kaenel, E., Matera, V. & Adatte, T. Stratigraphical, sedimentological and palaeoenvironmental constraints on the rise of the Urgonian Platform in the western Swiss Jura. *Sedimentology*, 57: 1088-1125.
- 2008 — Föllmi, K.B., Gertsch, B., Renevey, J.P., de Kaenel, E. & Stille, P. Stratigraphy and sedimentology of phosphate-rich sediments in Malta and southeastern Sicily (latest Oligocene to early Late Miocene). *Sedimentology*, 55: 1029-1051.
- 2006 — van der Laan, E., Snel, E., de Kaenel, E., Hilgen, F.J., Krijgsman, W. No major deglaciation across the Miocene-Pliocene boundary: Integrated stratigraphy and astronomical tuning of the Loulja sections (Bou Regred area, NW Morocco). *Paleoceanography*, 21: PA3011, doi:10.1029/2005PA001193.
- 2005 — Föllmi, K.B., Badertscher, C., de Kaenel, E., Stille, P., John, C., Adatte, T. & Steinmann, P. Phosphogenesis and organic-carbon preservation in the Miocene Monterey Formation at Naples Beach, California - the Monterey hypothesis revisited. *Geological Society of America Bulletin*, 117: 589-619.
- 2004 — Krijgsman, W., Gaborardi, S., Hilgen, F.J., Iaccarino, S., de Kaenel, E. & van der Laan, E. Revised astrochronology for the Ain el Beida section (Atlantic Morocco): No glacio-eustatic control for the onset of the Messinian Salinity Crisis. *Stratigraphy*, 1(1): 87-101.
- 2002 — John, C.M., Föllmi, K.B., de Kaenel, E., Adatte, T., Steinmann, P. & Badertscher, C. Carbonaceous and phosphate-rich sediments of the Miocene Monterey Formation at El Capitan State Beach, California. *USA Journal of Sedimentary Research*, 72(2): 252-267.
- 1999 — de Kaenel, E., Siesser, W.G. & Murat, A. Pleistocene calcareous nannofossil biostratigraphy and the western Mediterranean sapropels, Sites 974 to 977 and 979. *Proceedings of the ODP, Scientific Results*, 161: 159-183.
- 1999 — Siesser, W.G. & de Kaenel, E. Neogene calcareous nannofossils: Western Mediterranean biostratigraphy and paleoclimatology. *Proceedings of the ODP, Scientific Results*, 161: 223-237.
- 1998 — de Kaenel, E. & Villa, G. *Helicosphaera carteri*: A further note on its stratigraphical occurrence. *Journal of Nannoplankton Research*, 20(2): 105-106.
- 1998 — von Salis Perch-Nielsen, K., Bergen, J.A. & de Kaenel, E. Jurassic Biostratigraphy, calcareous nannofossils. In: J. Hardenbol, J. Thierry, M.B. Farley, T. Jacquin, P.-C. de Graciansky & P.R. Vail (Eds). *Mesozoic and Cenozoic Sequence Stratigraphy of European Basins*, SEPM Special Publication, 60.
- 1996 — Comas, M.C., Sanchez-Gomez, M., Cornen, G. & de Kaenel, E. Serpentinized peridotite breccia and olistostrome upon basement highs of the Iberia Abyssal Plain: Implications in Tectonic Margin evolution. *Proceedings of the ODP, Scientific Results*, 149: 577-591.
- 1996 — de Kaenel, E. & Bergen, J.A. Mesozoic calcareous nannofossil biostratigraphy from Sites 897, 899, and 901, Iberia Abyssal Plain: New biostratigraphic evidence. *Proceedings of the ODP, Scientific Results*, 149: 27-59.
- 1996 — de Kaenel, E., Bergen, J.A. & von Salis Perch-Nielsen, K. Jurassic calcareous nannofossil biostratigraphy of western Europe: Compilation of recent studies and calibration of bioevents. *Bulletin de la Société géologique de France*, 167(1): 15-28.
- 1996 — de Kaenel, E. & Villa, G. Oligocene-Miocene calcareous nannofossil biostratigraphy and paleoecology from the Iberia Abyssal Plain. *Proceedings of the ODP, Scientific Results*, 149: 79-145.
- 1996 — Milkert, D., Alonso, B., Liu, L., Zhao, X., Comas, M. de Kaenel, E. Sedimentary facies and depositional history of the Iberia Abyssal Plain. *Proceedings of the ODP, Scientific Results*, 149: 685-704.
- 1996 — Ohmert, W., Allia, V., Arias, C., Baldanza, A., Bergen, J.A., Bucefa-lo Palliani, R., Canales, M.L., de Kaenel, E., Garcia Joral, F., Goy, A., Herrero, C., Höhdorf, A., Martinez, G., Mattioli, E., Perilli, N., Riegraf, W., Rolf, C., Ureta, S., Wetzel, A. & Wonik, T. Die Grenzziehung Unter-Mitteljura (Toarcium/Aalenium). Bei-spiele interdisziplinärer Zusammenarbeit. Informationen 8. Geologisches Landesamt Baden-Württemberg, Freiburg: 55pp.
- 1993 — de Kaenel, E. & Bergen, J.A. New Early and Middle Jurassic coccolith taxa and biostratigraphy from the eastern proto-Atlantic (Morocco, Portugal & DSDP Site 547B). *Eclogae Geologicae Helvetiae*, 86(3): 861-907.
- 1990 — Monbaron, M., Russel, D. & de Kaenel, E. New data on the Mesozoic mammal locality of the Moroccan High Atlas Mountains. *Géobios*, 23(4): 461-483.
- 1989 — de Kaenel, E., von Salis Perch-Nielsen, K. & Lindinger, M. The Cretaceous/Tertiary boundary in the Gurnigel Flysch (Switzerland). *Eclogae Geologicae Helvetiae*, 82(2): 555-581.