

Fluctuations in benthic redox condition through the Cretaceous ocean anoxic event indicated by the bioturbation intensity

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We reconstructed fluctuations in benthic redox condition through the Cretaceous ocean anoxic event (OAE1a: ~120Ma) in the Vocontian Basin, SE France. We mainly employed quantified/semi-quantified bioturbation indices for our purpose. In this presentation, we also discuss the process and causal mechanism of anoxic water mass formation during OAE1a.