Stochastic TOC modeling for East African Rift System Lakes, a possible pre-salt analogous

Fluminense Federal University

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... somewhere in the ancient earth ...

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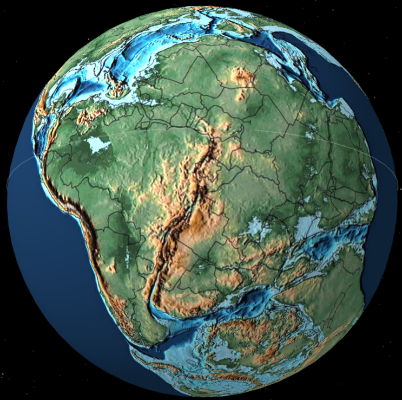
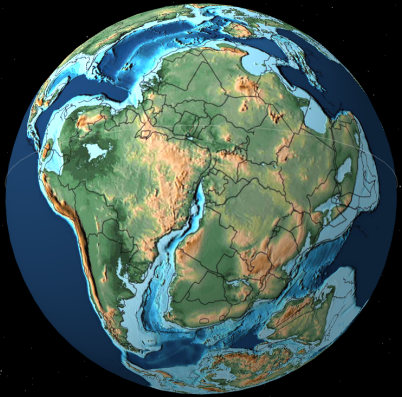


150 My ago

... somewhere in the ancient earth ...



120 My ago

[3]

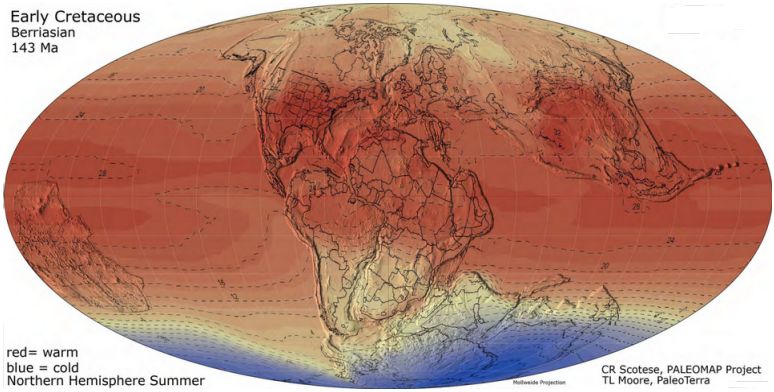


Figure: 134My ago lakes were formed. (Scotese, 2013)

$$TOC = f(\alpha, \gamma, \delta, ...)$$

$$TOC = \cancel{f(\alpha, \gamma, \delta, ...)} \rightarrow unknow$$

Modern Analogous

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Considering a wilson's cylcle perspective

Objectives

- Define the main variables that interact in actual lakes

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- Make a model that can predict TOC values in actual lakes
- Create and publicise a datatable used to mimetize TOC in actual lake systems

References

Scotese, C. (2013). Kt globe, paleomap project, evanston. page 3.

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Modelagem de fácies orgânica na margem brasileira

Obrigado!

Fale conosco

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