

Variabilidade de margens passivas 1 Margens Vulcâncias

Margens vulcâncias vs. pobres em magma

Magmatismo e resistência

“Underplating” e subsidência

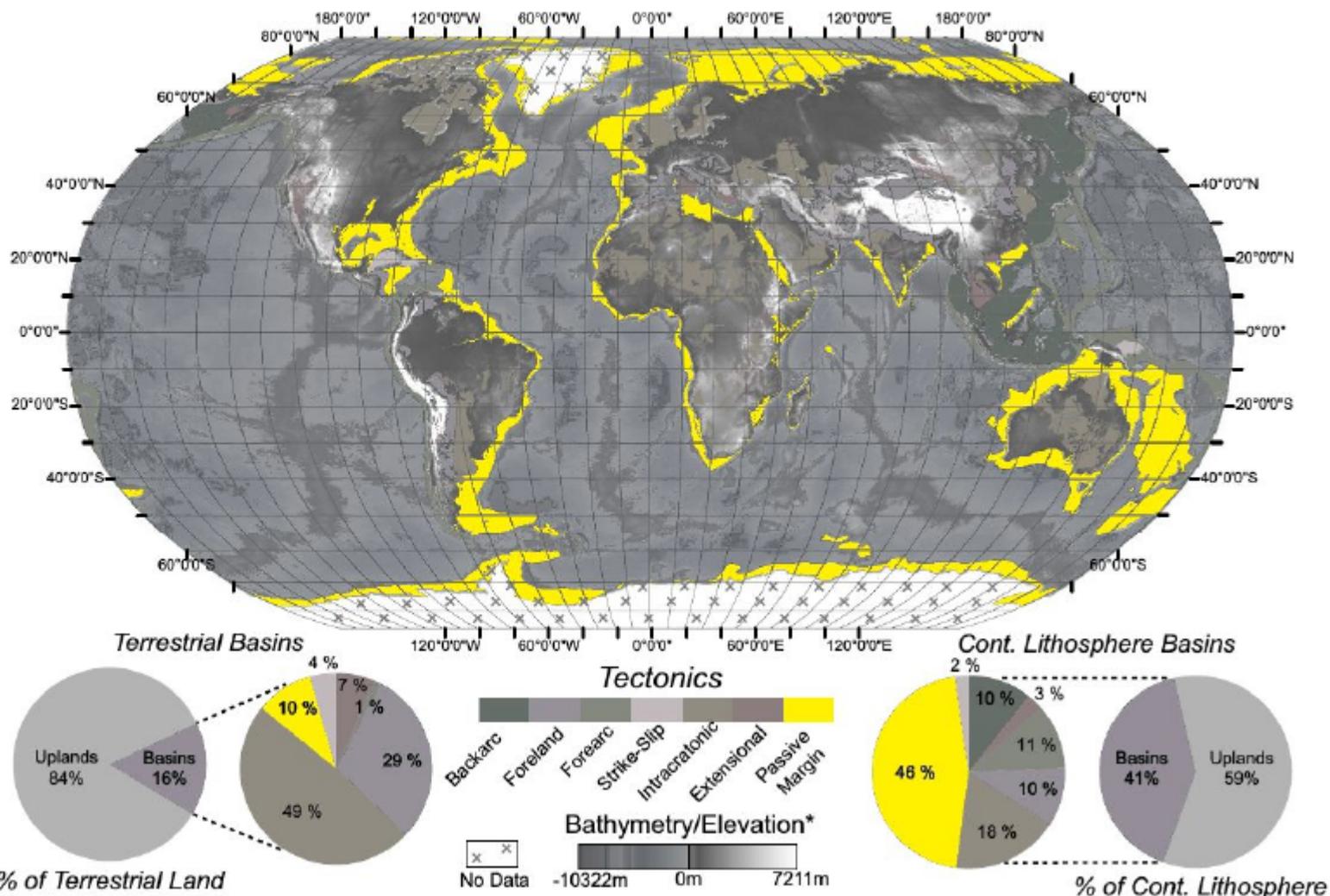
Abertura oceânica e propagação de dorsais meso-oceânicas

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Instituto de Geociências
Universidade de São Paulo

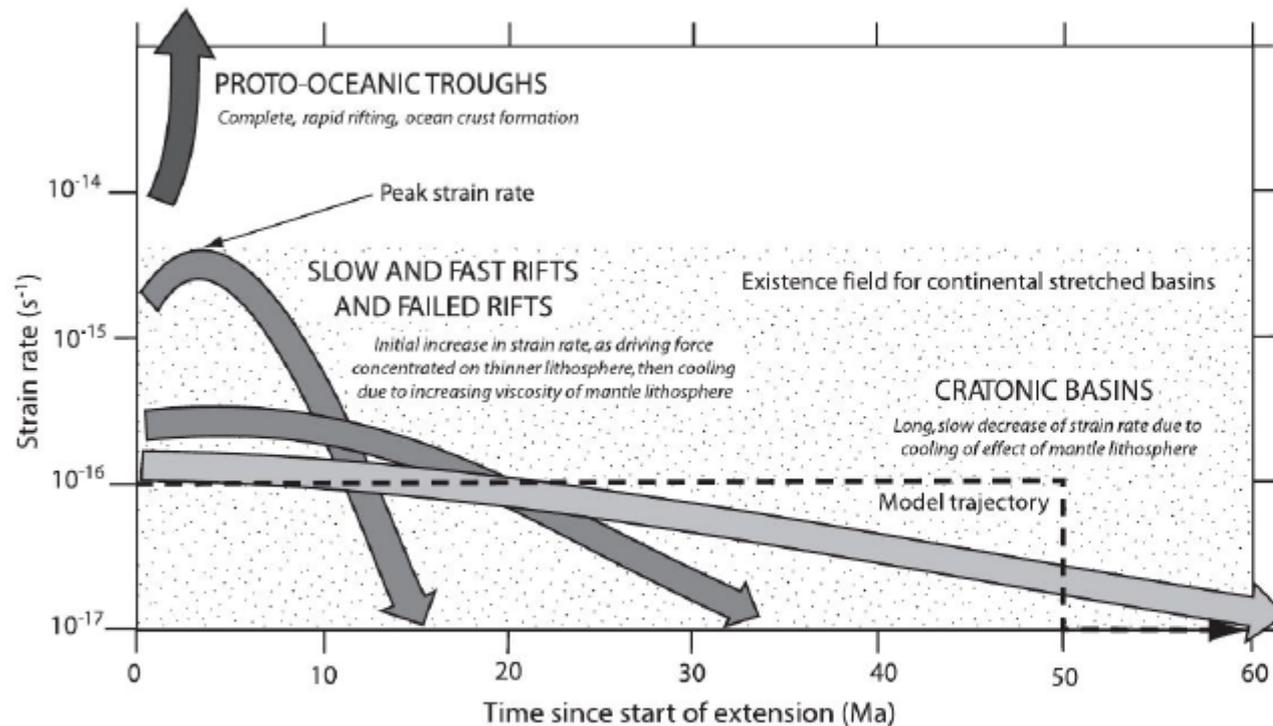
Margens distendidas ativas

hoje

Modificado de:
Nyberg, B., Holwell, J.A. (2015)
Geology 43, 643-646.



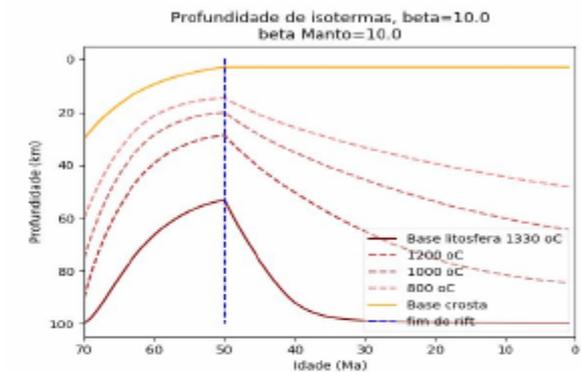
Taxa de deformação e abertura de oceanos



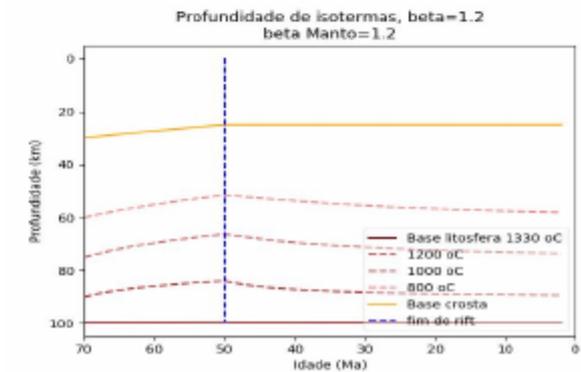
Armitage, J.J. & Allen, P.A. (2010) *J. Geol. Soc.* **167**, 61-70.

Modificado de:
Newman, R. & White, N. (1999) *Phil. Trans. R. Soc. Lond.* **357**, 805-834.

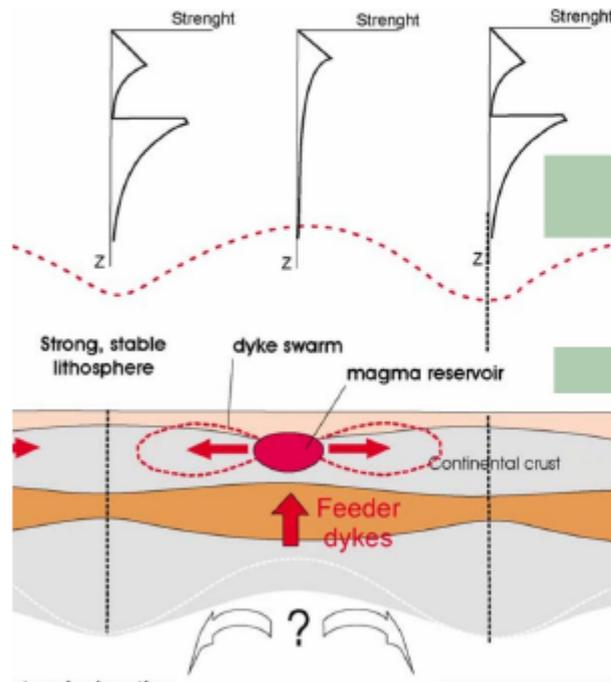
Taxa de deformação $10^{-14} s^{-1}$



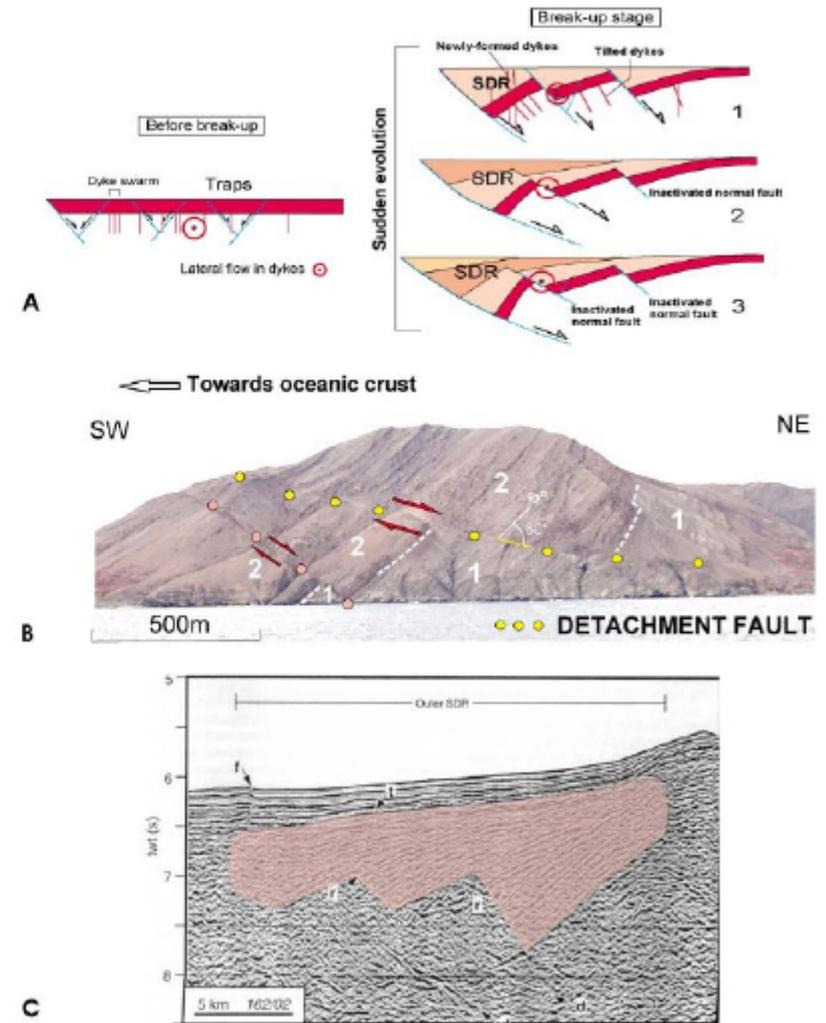
Taxa de deformação $10^{-15} s^{-1}$



A abertura de oceanos - vulcanismo



Geoffroy, L. (2005) *Geoscience* 337, 1395-1408.



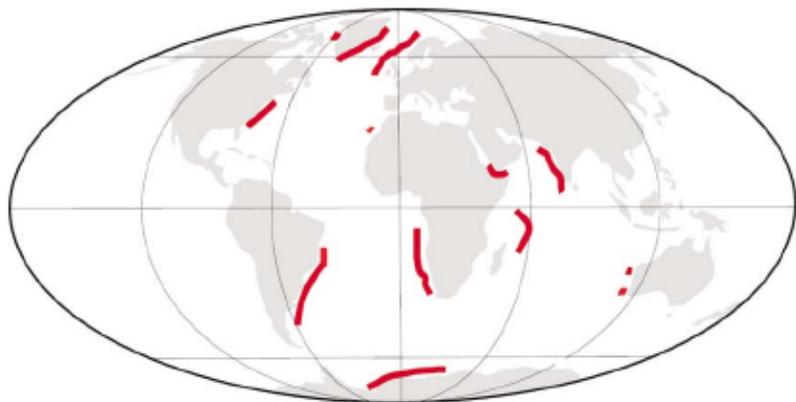
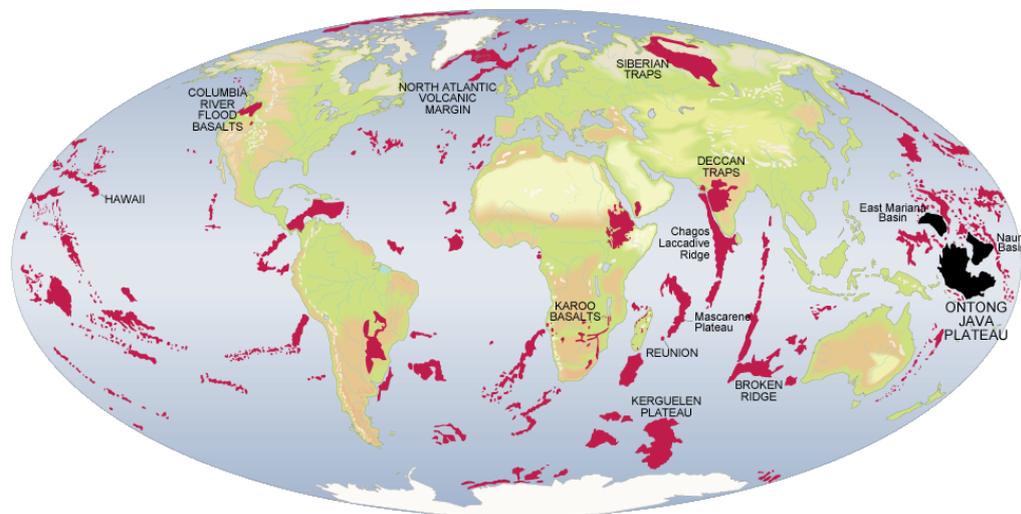
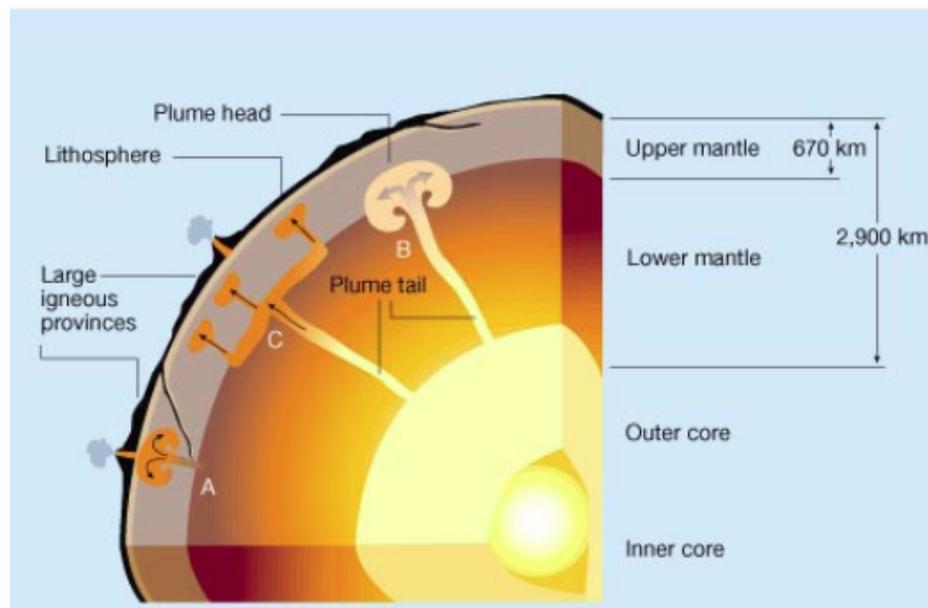


Fig. 2. Worldwide distribution of volcanic passive margins (in [14], after [16]).

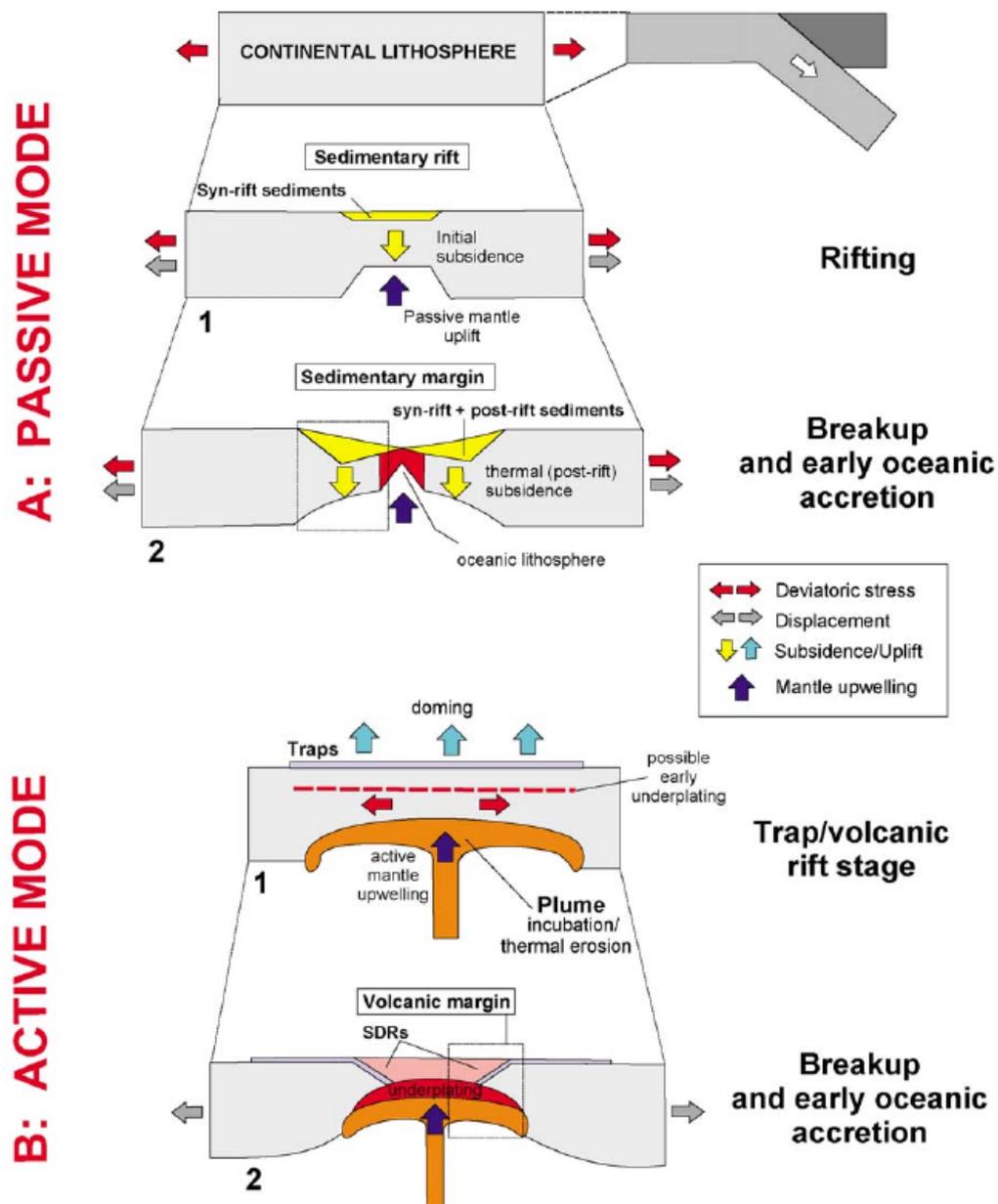
L. Geoffroy / C. R. Geoscience 337 (2005) 1395–1408



Coffin & Eldholm (1993)

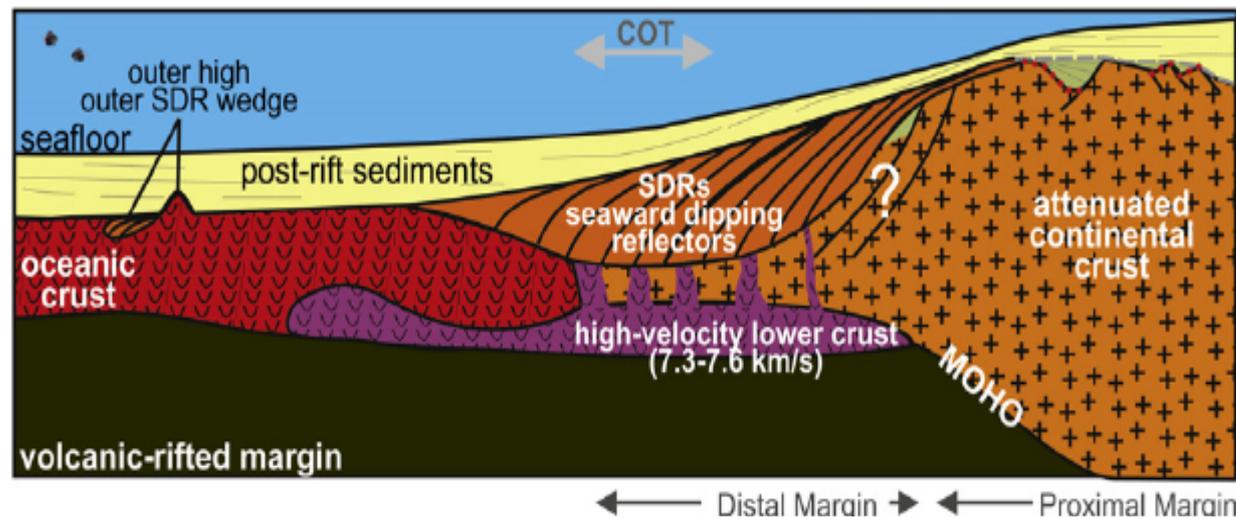
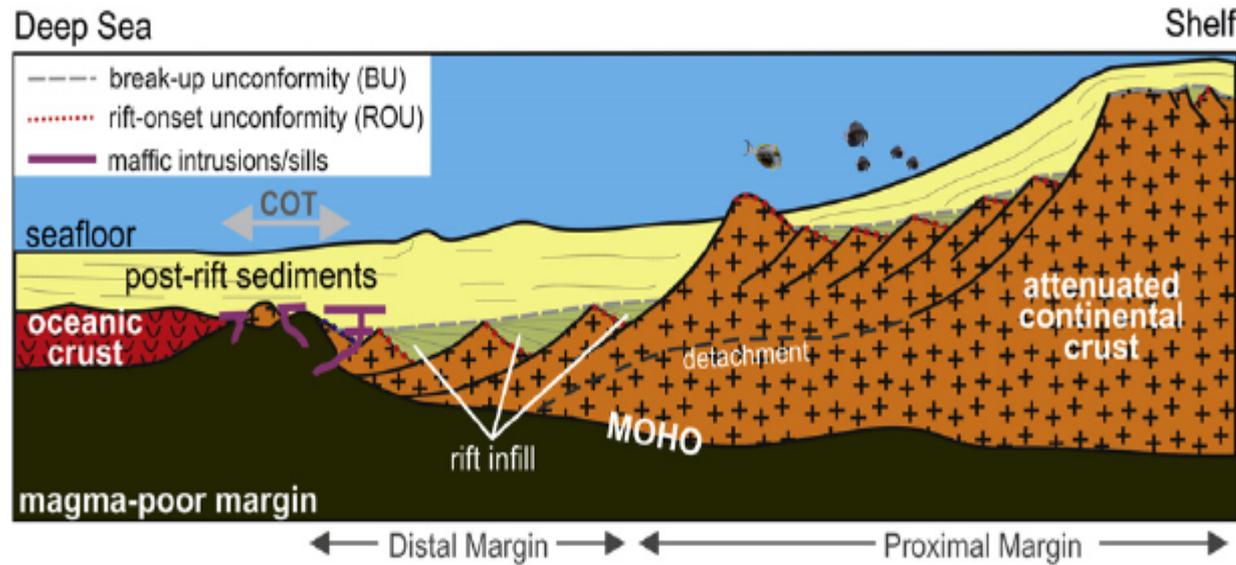


Classical views on passive and active rifting applied to the formation of sedimentary and volcanic passive margins (schematic, not to scale, not representative of the author's views)



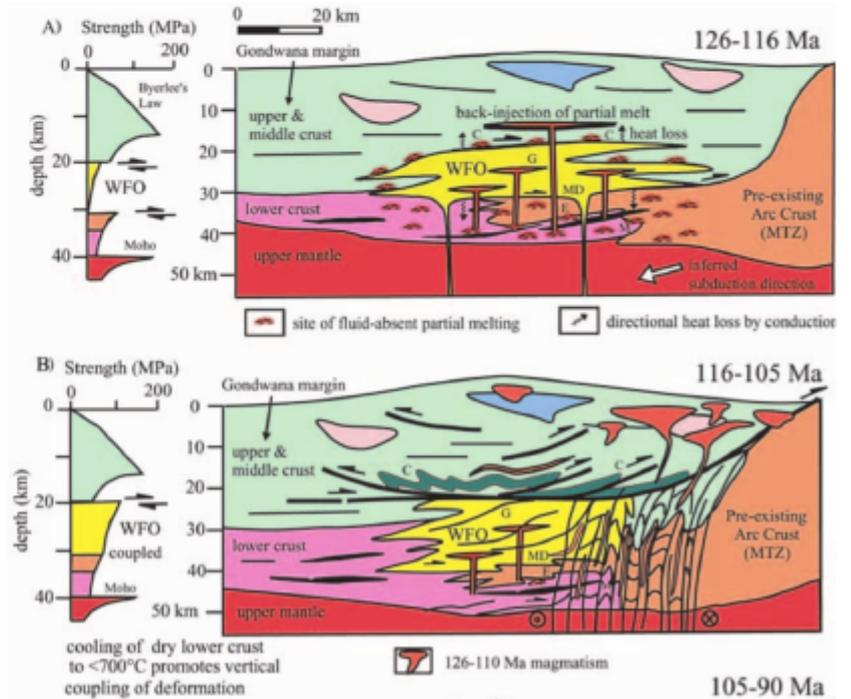
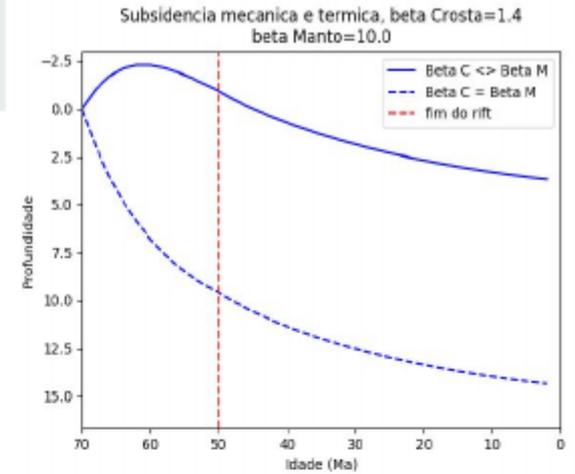
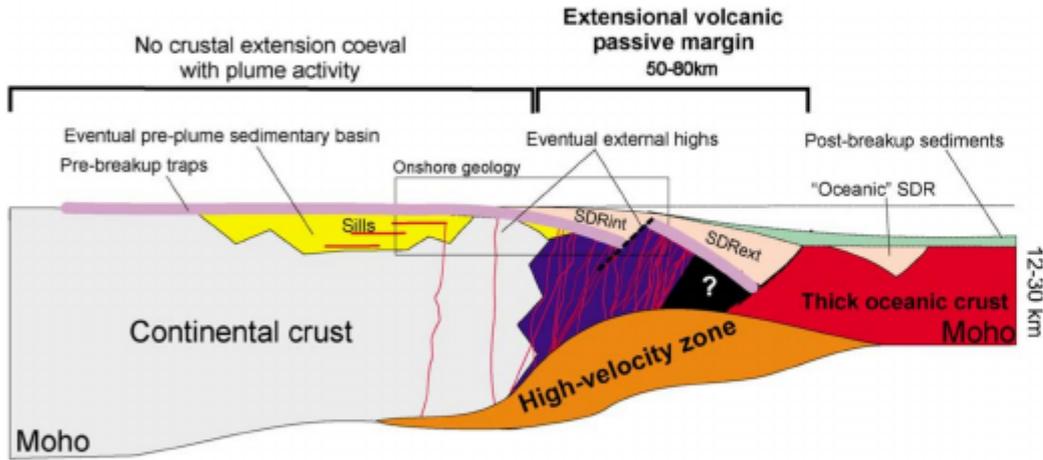
Margens vulcânicas vs. pobres em magma

D. Franke / Marine and Petroleum Geology 43 (2013) 63–87



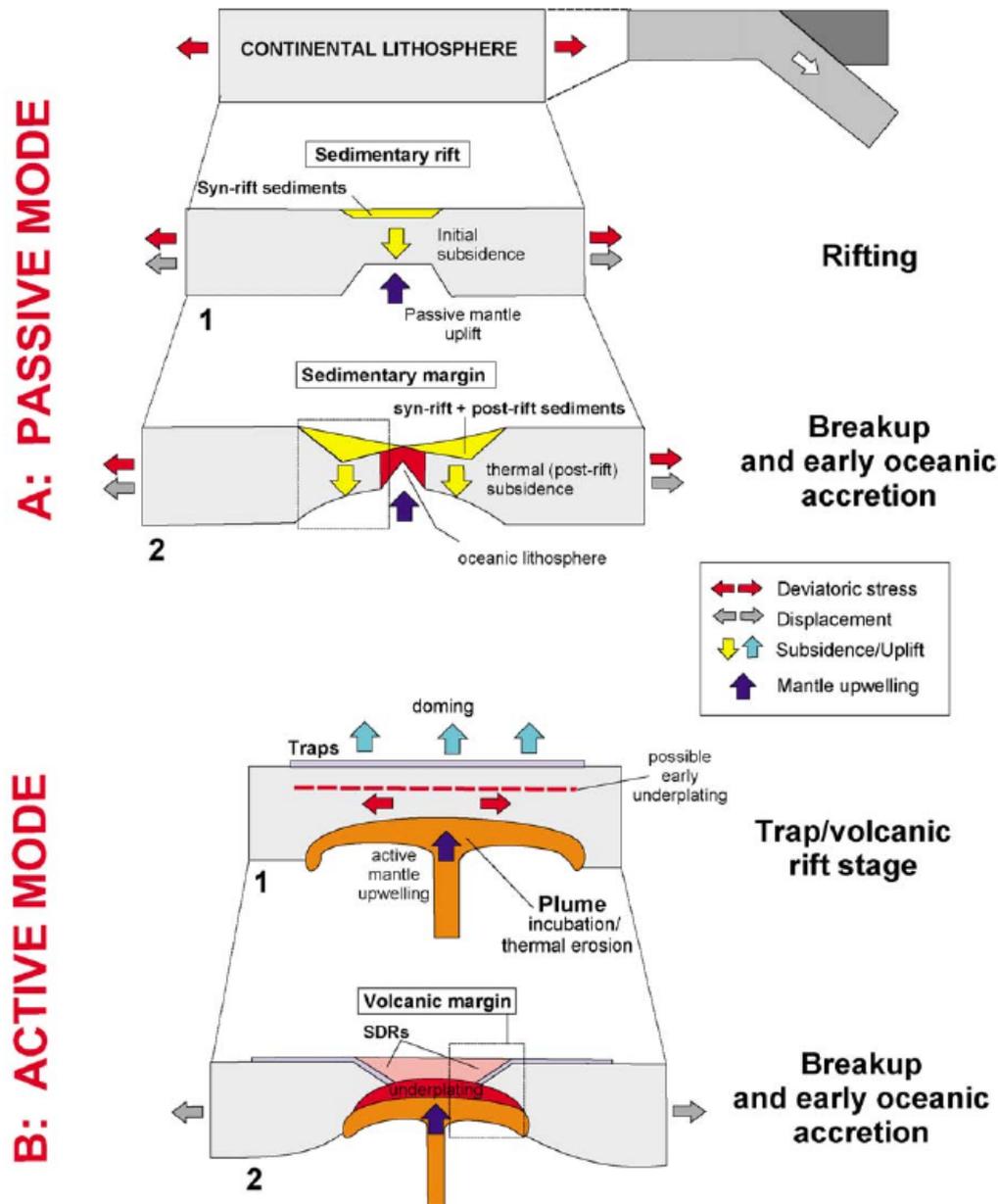
A abertura de oceanos - vulcanismo

Geoffroy, L. (2005) *Geoscience* 337, 1395-1408.

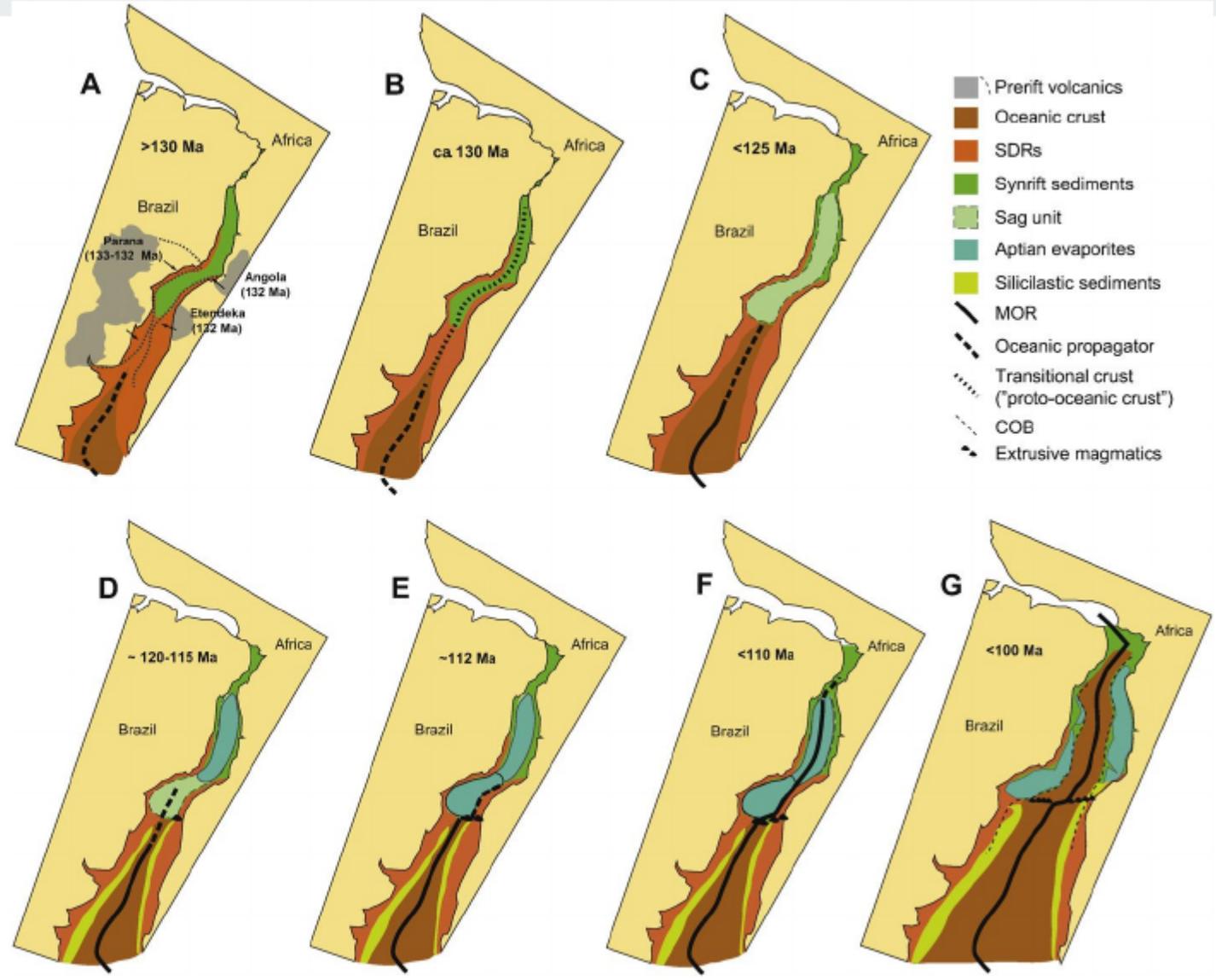


Klepeis, K.A. (2003) *GSA Today* Jan, 4-11.

Classical views on passive and active rifting applied to the formation of sedimentary and volcanic passive margins (schematic, not to scale, not representative of the author's views)



Propagação da dorsal



Kukla, P.A. (2018) *Gond. Res.* 53, 41-57.