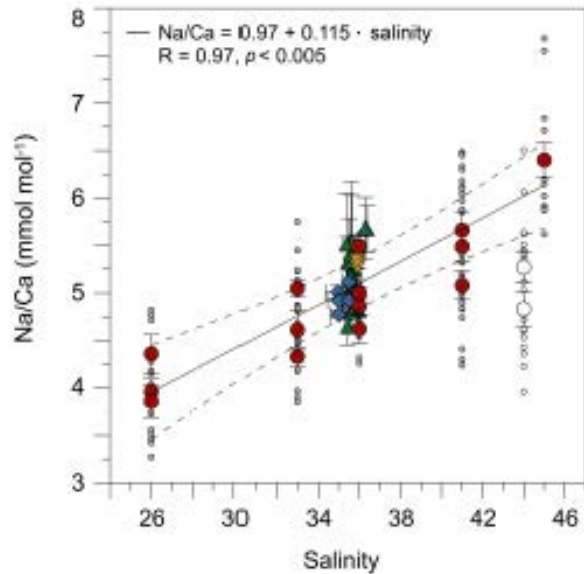


Proxy Research: Foraminiferal Na/Ca as paleo-salinity indicator - Assessment and paleo-application

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The quantitative reconstruction of past seawater salinity has yet to be achieved, and the search for a direct and independent salinity proxy is ongoing. Foraminiferal Na/Ca has great potential in this respect as Na/Ca positively correlates with salinity (e.g. Bertlich et al., 2018).

Our current approach comprises:

- (1) Core-top calibration studies and laboratory cultivation of planktonic foraminifera
- (2) Establishing new cleaning protocols prior to Na/Ca analyses
- (3) Paleo-studies, currently Plio-Pleistocene Records from the West Pacific Warm Pool

