

Suggested theme : Stratigraphic correlation and sequence stratigraphy: concepts and applications

Age modelling of Quaternary marine cores

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To reconstruct the paleoceanographic history of Moroccan Atlantic margin (~35°N) from the last glaciation to the Holocene, a set of five sediment cores retrieved, during the cruises SO-175 with the German RV Sonne in 2003 and 64PE284 with the dutch RV Pelagia in 2008, from a wide range of water depths ranging from 370 m to 1380 m has been selected as the basic material for this study.

A preliminary step in our study is to get a relative age of the cores by correlation with the core Geob 9064 which has been dated by ¹⁴C. The correlation between the cores was determined by using XRF analysis and Organic Carbon data, ages between the tie points were obtained by linear interpolation.