



## **Sea level reconstructions within the Mediterranean Basin**

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The spatial sea level patterns derived from Empirical Orthogonal Functions (EOFs) from satellite altimetry in conjunction with available tide-gauge observations to reconstruct sea level variability backwards in time for the Mediterranean basin. The reconstruction method is based on Church et al. (2004). Experiments are run by omitting successively tide-gauge in order to explore the sensitivity of the reconstruction on particular tide-gauges.

The reconstruction is compared with other available estimates of past sea levels in the Mediterranean and with global estimates of sea level change.